

|                                                                                                                           |                                                                                                                            |                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LICENCE NO. : <b>WID1934</b>                                                                                              | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                 | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stlok Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   | RIG 230 BOILER                                                                                                                                                                                                                                         |
| SURFACE LOCATION :                                                                                                        | UNIQUE I.D : <b>300C496640125450</b>                                                                                       | CM X WEATHER TEMPERATURE -36                                                                                                                                                                                                                           |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) | CM CONDITIONS OVER CAST<br>CM WIND DIRECTION CALM<br>ROAD CONDITION ICE                                                                                                                                                                                |

|      |         |                |            |
|------|---------|----------------|------------|
| YEAR | 2003    | RIG NO.        | 3          |
| CM   |         | FUEL @         | 08:00 HRS. |
| CM   |         | RIG            | 230        |
| CM   |         | BOILER         |            |
| CM   | WEATHER | TEMPERATURE    | -36        |
| CM   |         | CONDITIONS     | OVER CAST  |
| CM   |         | WIND DIRECTION | CALM       |
| CM   |         | ROAD CONDITION | ICE        |

[illegible]

# **EVENING SHIFT**

LICENCE NO.

WID1934

WELL NAME AND NO. :

PARA etal NOGHA

OPERATOR :

PARAMOUNT RESOURCES LTD.

CONTRACTOR :

WILSON DRILLING LTD.

SURFACE LOCATION :

UNIQUE I.D. :

300C496640125450

OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List )

(3) H2S Signs Posted( If Required )

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A.O D C Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

CM

CM

CM

CM

CM

YEAR 2003

RIG NO. 3

FUEL @ 08:00 HRS.

RIG 230

BOILER

TEMPERATURE -36

CONDITIONS OVER CAST

WIND DIRECTION CALM

ROAD CONDITION ICE

|                             |                  |              |         |               |                   |             |                   |            |                    | SAFETY TOPIC                                                                            |               |                    |                |                    |             |            |           |                |         | REVIEW           |                |      |    |    |    |       |       |
|-----------------------------|------------------|--------------|---------|---------------|-------------------|-------------|-------------------|------------|--------------------|-----------------------------------------------------------------------------------------|---------------|--------------------|----------------|--------------------|-------------|------------|-----------|----------------|---------|------------------|----------------|------|----|----|----|-------|-------|
| LAST CASING TUBING OR LINER | O.D mm           | MIN. I.D     | kg/m    | MAKE          | GRADE             | # OF JOINTS | TOTAL (m)         | KB TO CSG. | SET AT (m)         | SHALE SHAKER(S)                                                                         |               |                    |                | RENTALS / SERVICES |             |            |           |                |         | Mon              | Day            | Eve. |    |    |    |       |       |
|                             |                  |              |         |               |                   |             |                   |            |                    | NO. 1                                                                                   | TYPE KING     | TYPE               |                |                    |             |            |           |                |         |                  |                |      |    |    |    |       |       |
|                             |                  |              |         |               |                   |             |                   |            |                    | CHANGE SCREENS                                                                          |               |                    | YES            | NO                 |             |            |           |                |         |                  |                |      |    |    |    |       |       |
|                             |                  |              |         |               |                   |             |                   |            |                    |                                                                                         | TOP 80        |                    | TOP            |                    |             |            |           |                |         |                  |                |      |    |    |    |       |       |
| PC. DP SIZE                 | KG / M           | GRADE        | MIN. ID | TOOL JT. O.D. | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH.        | MIDDLE 80                                                                               |               | MIDDLE             |                |                    |             |            |           |                |         |                  |                |      |    |    |    |       |       |
| 114                         | 20.84            | E            | 84      | 117           | 4"FH              | 260         | OILWELL           | PT-850     | 229                | BOTTOM 80 <th></th> <th>BOTTOM</th> <th colspan="6"></th> <th></th> <th></th> <th></th> |               | BOTTOM             |                |                    |             |            |           |                |         |                  |                |      |    |    |    |       |       |
| 165                         | 62.45            | H.W.D.       | 70      | 158           | 4.5"XH            | 20          | EMSCO             | 375        | 356                |                                                                                         |               | 80                 |                |                    |             |            |           |                |         |                  |                |      |    |    |    |       |       |
|                             | 151.70           | D.C          | 73      | 171           | 4.5"XH            | 20          |                   |            |                    |                                                                                         |               |                    |                |                    |             |            |           |                |         |                  |                |      |    |    |    |       |       |
| CODE NO.:                   | 1                | 2            | 3       | 4             | 5                 | 6           | 7                 | 8          | 9                  | 10                                                                                      | 11            | 12                 | 13             | 14                 | 15          | 16         | 17        | 18             | 19      | 20               | 21             | 22   | 23 | 24 | 25 | 26    | TOTAL |
| OPER.                       | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING        | CORL. MUD & CIRC. | TRIPS       | RIG SERVICE       | REPAIRING  | CUT OFF DRILL LINE | DEV SURVEY                                                                              | WIRELINE LOGS | RUN CSOL. & CEMENT | WAIT ON CEMENT | NIPPLE UP B.O.P.   | TEST B.O.P. | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FEEDING | DIRECTIONAL WORK | SAFETY MEETING |      |    |    |    |       |       |
| MORN                        |                  | 7 75         |         |               |                   |             | 0 25              |            |                    |                                                                                         |               |                    |                |                    |             |            |           |                |         |                  |                |      |    |    |    | 8 00  |       |
| DAY                         |                  | 10 75        |         |               |                   |             | 0.25              |            |                    |                                                                                         |               |                    |                |                    |             |            |           |                |         |                  |                |      |    |    |    | 11 00 |       |
| EVE                         |                  | 4 00         |         |               |                   |             |                   |            |                    |                                                                                         |               |                    |                |                    |             |            |           |                |         |                  |                |      |    |    |    | 4 00  |       |
| TOTAL                       |                  | 22 50        |         |               |                   |             | 0 50              |            |                    |                                                                                         |               |                    |                |                    |             |            |           |                |         |                  |                |      |    |    |    | 23 00 |       |

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

BIT NO.

1 A

MUD RECORD

WATER BASED

OIL BASED

METERS DRILLED

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT ON BIT

TIME LOG

FROM

TO

ELAPSED TIME

CODE

TIME DETAIL

2

DRILL 311 MM PILOT HOLE ( SLOW ROUGH DRILLING )

HOLE TOOK 1 CUBE FLUID AT 35 M

BIT/ BILLS

O.D. mm

m

BIT NO.

1 A

SIZE (mm)

311 0

DENSITY kg/m3

FUNNEL VIS s/l

W.L. cm/ FLICK

PH

Circ. Press (kPa)

PUMP NO. 1

PUMP NO. 2

LINER(mm)

SPM

LINER(mm)

SPM

1300

152.0

85

152.0

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

DEPTH ( m )

DEVIATION

DIRECTION

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

9.55

m

TOTAL

38.00

m

WT. OF D.C.

14

dan

DRAG dan

TORQUE

FILL m

DRILLERS SIGNATURE

MIKE STOLTE

HRS. RUN

4 00

BOILER PH

11 0

STACK deg

400

MACP

0

MAX HOOKLOAD

12

Notes: BLOW BOILERS DOWN 2X EACH

DAILY WALK AROUND/ MS

|                                                                                                                          |  |                                                                                                                           |  |                                                                                                                                                                                                                                                      |  |
|--------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. <b>PARA etal NOGHA</b>                                                                                  |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                  |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/Hg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  |
| SURFACE LOCATION .                                                                                                       |  | UNIQUE I.D. <b>66-40FT.X 125-45FT.</b>                                                                                    |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/Hg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/Hg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  |

[illegible]

[illegible]



|                              |                                            |
|------------------------------|--------------------------------------------|
| LICENCE NO. : <b>WID1934</b> | WELL NAME AND NO. : <b>PARA etal NOGHA</b> |
|------------------------------|--------------------------------------------|

**CONTRACTOR - WILSON DRILLING LTD.**

UNIQUE I.D. : 66-40FT.X 125-45FT.

**CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)**

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( If Required )
- (4) Well License & Stick Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Flarelines & Degasser Lines

  

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A. O D C Rig Safety Inspection Checklist(one/ng/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

|                   |                      |        |    |     |    |
|-------------------|----------------------|--------|----|-----|----|
| YEAR              | 2003                 | ROW    | 11 | COL | 13 |
| REG NO            | 3                    |        |    |     |    |
| FUEL @ 08:00 HRS. |                      |        |    |     |    |
| REG               | 114                  | BOILER |    |     |    |
| WEATHER           | TEMPERATURE -33      |        |    |     |    |
|                   | CONDITIONS OVER CAST |        |    |     |    |
|                   | WIND DIRECTIONS E    |        |    |     |    |
|                   | ROAD CONDITION ICE   |        |    |     |    |

## LOCKOUTS

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D. | kg/m   | MAKES             | GRADE        | # OF JOINTS | TOTAL (m)   | KB TO CSG.         | SET AT (m) | SHALE SHAKER(S) |                   |                |                 | RENTALS / SERVICES |             |           |                |         |                  |                |    |           |    | Mon | Tue   | Wed   |  |
|-----------------------------|------------------|--------------|-----------|--------|-------------------|--------------|-------------|-------------|--------------------|------------|-----------------|-------------------|----------------|-----------------|--------------------|-------------|-----------|----------------|---------|------------------|----------------|----|-----------|----|-----|-------|-------|--|
|                             |                  |              |           |        |                   |              |             |             |                    |            | NO              | TYPE              | TYPE           |                 |                    |             |           |                |         |                  |                |    |           |    |     |       |       |  |
|                             |                  |              |           |        |                   |              |             |             |                    |            | CHANGE SCREENS  |                   | X              | YES             | NO                 |             |           |                |         |                  |                |    |           |    |     |       |       |  |
|                             |                  |              |           |        |                   |              |             |             |                    |            | TOP             | 80                | TOP            | 80              |                    |             |           |                |         |                  |                |    |           |    |     |       |       |  |
| DC                          | DP               | SIZE         | KG / M    | GRADE  | MIN. ID           | TOOL JT. O.D | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER  | PUMP TYPE  | STROKE LTH.     | MIDDLE            | 80             | MIDDLE          |                    |             |           |                |         |                  |                |    |           |    |     |       |       |  |
|                             |                  |              | 20.84     | E      | 84                | 117          | 4"FH        | 260         | OILWELL            | PT-850     | 229             |                   |                |                 |                    |             |           |                |         |                  |                |    |           |    |     |       |       |  |
| 14                          |                  |              | 62.45     | H.W.D. | 70                | 158          | 4.5"XH      | 20          | EMSCO              | 375        | 356             |                   |                |                 |                    |             |           |                |         |                  |                |    |           |    |     |       |       |  |
| 165                         |                  |              | 151.70    | D.C.   | 73                | 171          | 4.5"XH      | 20          |                    |            |                 |                   |                |                 |                    |             |           |                |         |                  |                |    |           |    |     |       |       |  |
| CODE NO.                    | 1                | 2            | 3         | 4      | 5                 | 6            | 7           | 8           | 9                  | 10         | 11              | 12                | 13             | 14              | 15                 | 16          | 17        | 18             | 19      | 20               | 21             | 22 | 23        | 24 | 25  | TOTAL |       |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REARING   | CORING | COND. MUD & CIRC. | TRIPS        | RIG SERVICE | REPAIRS     | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS   | RUN CBL. & CEMENT | WAIT ON CEMENT | RIFFLE UP B.O.P | TEST B.O.P         | DRILL STEEL | PLUG BACK | HOUSE & CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |    | DRILL M&R |    |     |       |       |  |
| MORN                        |                  |              |           |        |                   |              | 0.25        |             |                    |            |                 |                   |                |                 |                    |             |           |                |         |                  |                |    | 7.75      |    |     |       | 8.00  |  |
| DAY                         |                  | 8.00         |           |        |                   |              | 0.25        |             |                    |            |                 |                   |                |                 |                    |             |           |                |         |                  |                |    | 3.75      |    |     |       | 12.00 |  |
| EVE                         |                  | 3.75         |           |        |                   |              | 0.25        |             |                    |            |                 |                   |                |                 |                    |             |           |                |         |                  |                |    |           |    |     |       | 4.00  |  |
| TOTAL                       |                  | 11.75        |           |        |                   |              | 0.75        |             |                    |            |                 |                   |                |                 |                    |             |           |                |         |                  |                |    | 11.50     |    |     | 24.00 |       |  |

[illegible]

[illegible]

DAY SHIFT

LICENCE NO. :

WELL NAME AND NO. :  
**PARA etal NOGHA**

OPERATOR :  
**PARAMOUNT RESOURCES LTD.**

CONTRACTOR :  
**WILSON DRILLING LTD.**

SURFACE LOCATION .

UNIQUE I.D. :  
**66-40FT.X 125-45FT.**

OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

- (1) Daily Walk Around Inspection  
(2) Detailed Inspection-Weekly (Using Check List )  
(3) H2S Signs Posted( If Required)  
(4) Well License & Stick Diagram Posted  
(5) Flare Lines Staked  
(6) BOP Drills Performed  
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (one/crew/month)  
(2) C.A. O D C Rig Safety Inspection Checklist(one/riq/month)  
(3) Mast Inspection Before Raising or Lowering  
(4) Crown Saver Checked  
(5) Motor Kils Checked

YEAR 2003

MONTH 1

DAY 24

RIG NO

3

FUEL @ 08:00 HRS.

RIG 142

BOILER

TEMPERATURE -38

CONDITIONS CLEAR

WIND DIRECTION CALM

ROAD CONDITION ICE

AL IRONSIDE

CLINT MAYER

SAFETY TOPIC

cold weather

| LAST CASING TUBING OR LINER | O D. mm | MIN. LD | kg/m  | MAKE    | GRADE        | # OF JOINTS | TOTAL (m)   | KB TO CSG.        | SET AT (m) | SHALE SHAKER(S) |        | RENTALS / SERVICES |  |  | Morn | Day | Even |
|-----------------------------|---------|---------|-------|---------|--------------|-------------|-------------|-------------------|------------|-----------------|--------|--------------------|--|--|------|-----|------|
|                             |         |         |       |         |              |             |             |                   |            | NO.             | TYPE   | TYPE               |  |  |      |     |      |
|                             |         |         |       |         |              |             |             |                   |            | CHANGE SCREENS  | YES    | NO                 |  |  |      |     |      |
| DC                          | DP SIZE | KG / M  | GRADE | MIN. LD | TOOL JT O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH.     | TOP    | TOP                |  |  |      |     |      |
|                             |         |         |       |         |              |             |             |                   |            |                 | MIDDLE | MIDDLE             |  |  |      |     |      |
|                             |         |         |       |         |              |             |             |                   |            |                 | BOTTOM | BOTTOM             |  |  |      |     |      |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7           | 8        | 9                  | 10         | 11            | 12               | 13             | 14              | 15         | 16          | 17        | 18             | 19      | 20               | 21             | 22 | 23 | 24   | 25 | 26 | TOTAL |       |
|----------|------------------|--------------|---------|--------|-------------------|-------|-------------|----------|--------------------|------------|---------------|------------------|----------------|-----------------|------------|-------------|-----------|----------------|---------|------------------|----------------|----|----|------|----|----|-------|-------|
| OPER.    | RIEUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | CORR. MUD & CIRC. | TRIPS | RIG SERVICE | REPAIRED | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CGL & CEMENT | WAIT ON CEMENT | RIFFLE UP B.O.P | TEST B.O.P | DRILL STEIN | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |    |    |      |    |    |       |       |
| MORN     |                  |              |         |        | 8 00              |       |             |          |                    |            |               |                  |                |                 |            |             |           |                |         |                  |                |    |    |      |    |    |       | 8 00  |
| DAY      |                  |              |         |        | 12 00             |       |             |          |                    |            |               |                  |                |                 |            |             |           |                |         |                  |                |    |    |      |    |    |       | 12 00 |
| EVE      |                  |              |         |        | 2 50              |       |             |          |                    |            |               |                  |                |                 |            |             |           |                |         |                  |                |    |    | 1 50 |    |    |       | 4 00  |
| TOTAL    |                  |              |         |        | 22 50             |       |             |          |                    |            |               |                  |                |                 |            |             |           |                |         |                  |                |    |    | 1 50 |    |    |       | 24 00 |

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT NO.

SIZE (mm)

IADC CODE

MFG.

Type

SERIAL NO.

JETS (mm)

DEPTH IN (m)

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

DRILLPIPE STANDS

DRILLPIPE SINGLES

KELLY DOWN

TOTAL

WT. C.

WT. OF STRING

DRILLERS SIGNATURE

MYLES LOW

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/1

W.L. cm/ FLCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

DRILL/ REAM/CR

ROTARY R.P.M.

WT ON BIT

FROM

TO

ELAPSED TIME

CODE

800

2000

12.00

5

Circ. and repair hoist clutch

2000

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

BOILER

HRS. RUN

PH

STACK deg

8 00

11 0

220

MACP

0

MAX HOOKLOAD

Notes: blow boiler 3x  
daily walk around MIL

MORNING SHIFT

LICENCE NO. :

WELL NAME AND NO. :

PARA etal NOGHA

OPERATOR :

PARAMOUNT RESOURCES LTD.

SURFACE LOCATION :

CONTRACTOR :

WILSON DRILLING LTD.

OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

UNIQUE I.D. :

66-40FT.X 125-45FT.

AL IRONSIDE

CLINT MAYER

AL

CM

AL

CM

AL

CM

CM

CM

CM

CM

CM

CM

CM

CM

YEAR 2003

MONTH 1

DAY 24

RIG NO. 3

FUEL @ 08:00 HRS.

RIG 142

BOILER

TEMPERATURE -38

CONDITIONS CLEAR

WIND DIRECTION CALM

ROAD CONDITION ICE

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List )

(3) H2S Signs Posted( If Required)

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A. O.D.C Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

SAFETY TOPIC

XTREME COLD WEATHER

LAST CASING TUBING OR LINER

O.D. mm

MIN. LD

kg/m

WAKE

GRADE

# OF JOINTS

TOTAL (m)

KB TO CSG.

SET AT (m)

SHALE SHAKER(S)

RENTALS / SERVICES

MON

DAY

EVE

DC DP SIZE

KG / M

GRADE

MIN. LD

TOOL JT O.D.

TYPE THREAD

# OF JOINTS

PUMP MANUFACTURER

PUMP TYPE

STROKE LTH.

NO.

TYPE

TYPE

CHANGE SCREENS

YES

NO

TOP

MIDDLE

BOTTOM

TOP

MIDDLE

BOTTOM

CODE NO.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

TOTAL

OPER.

GROUP & TEARDOWN

DRILL ACTUAL

REARSD

CORRO

CORD. MUD & CIRC.

TRIPS

RIG SERVICE

REPAIRED

CUT OFF DRLO. LINE

DEV. SURVEY

WIRELINE LOGS

RUN CSG. & CEMENT

WAIT ON CEMENT

WIPPLE UP B.O.P

TEST B.O.P

DRILL STEM

PLUG BACK

SQUEEZE CEMENT

FISHING

DIRECTIONAL WORK

SAFETY MEETING

MORN

DAY

EVE

TOTAL

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT/STILLS

O.D. mm

m

BIT NO.

m

SIZE (mm)

m

IADC CODE

m

WFG.

m

Type

m

SERIAL NO.

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

WT. O.D.C.

1000

WT. OF STRING

1000

DRILLERS SIGNATURE

MIKE STOLTE

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/1

W.L. cm/ FLCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEPTH (m)

DEVIATION

DIRECTION

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT ON BIT

Circ Press (kPa)

PUMP NO. 1

PUMP NO. 2

LINER(mm)

SPM

LINER(mm)

SPM

REDUCED PUMP SPEED

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

ELAPSED TIME

CODE

0

800

8.00

5

CIRC MOUSE HOLE & WAIT ON DRAW WORKS BEARING

Notes: BLEW BOILERS 3X EACH AND ADD AIRLINE ANTIFREEZE 3X

FUEL BOILER #1 185 CM

BOILER # 2 182 CM

WIL1534 | PARA etal NOGHA

PARAMOUNT RESOURCES LTD. | WILSON DRILLING LTD.

66-40FT X 125-45FT.

CLINT MAYER

DRILLING CREW PAYROLL DATA

WELL NAME & NO. | YEAR | DATE

PARAMOUNT RESOURCES LTD. | WILSON DRILLING LTD.

CLINT MAYER

3

4

DRILLING ASSEMBLY | LENGTH | BIT RECORD | MUD RECORD | METRES DRILLED

DAY TOUR

WATER BASED | OIL BASED

FROM | TO | DRC | RPM | WOB

800 | 815 | 0.25 | 7

815 | 1315 | 5.00 | 22

1315 | 1600 | 2.75 | 23

1600

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

RIG SERVICE

CONTINUE DRILL HOUSE HOLE LOTS OF ROCKS

WORK ON HOISTING CLUTCH AND WD PARTS

CLUTCH ENGAGED WITH OUT WARNING WHILE DRILLING HOUSEHOLE

TRANSFER FUEL TO BOILER # 2 110 CDS FROM 400 BBL STORAGE TANK

DAILY WALK AROUND IS

BLEW BOILERS 3X BOTH ON LINE & ADDED AIRLINE ANTI-FREEZE 3 X

CHECK BRAKES AND BRAKE LINKAGES

DRILLER SIGNATURE

MONTE RUTHERFORD

8.00 | 10.5 | 425

COLD WEATHER

DRILLER SIGNATURE

MIKE STOLTE

12.00 | 11.0 | 220

CAMP FIRE DRILL

0

DRILLER SIGNATURE

MYLES LOW

8.00 | 10.0 | 220

STEAM LEAKS

PARAMOUNT RESOURCES LTD. WILSON DRILLING LTD. 66-40FT X 125-45FT. CLINT MAYER. MORNING TOUR. DAY TOUR. EVENING TOUR. DRILLING ASSEMBLY. LENGTH. BIT RECORD. MUD RECORD. METRES DRILLED. TIME LOG. CREW. CREW SAFETY DAYS. RATE SCHEDULE. X. REGULAR. REPAIR. INVERT.



10272357 PARA ET AL FOX CREEK 7-31-61-17

OPERATOR  
**PARAMOUNT RESOURCES LTD.**  
SURFACE LOCATION  
**06-31-061-17W5**  
SIGNATURE OF OPERATOR'S REPRESENTATIVE  
**AL IRONSDIE**

CONTRACTOR  
**WILSON DRILLING LTD.**  
LICENSE ID  
**100/07-31-061-17W5/00**  
SIGNATURE OF CONTRACTOR'S RIG MANAGER  
**CLINT MAYER**

- (1) Daily Visual Around Inspection  
(2) Detailed Inspection - Weekly (Using Check List)  
(3) Rig Safety Patrol 12 Inspected  
(4) Visual License & Check Diagrams Passed  
(5) Plans Lines Shown  
(6) Rig Safety Patrol  
(7) Visually Inspect ROPS - Plans Lines & Diagrams Lines
- (1) Rig Site Health & Safety Meeting (as recommended)  
(2) C/O ROPS Rig Safety Inspection Checklist (as recommended)  
(3) Visual Inspection before Starting or Leaving  
(4) Operator Safety Check  
(5) Operator Safety Check

|                   |       |         |      |       |         |         |      |          |           |                   |               |
|-------------------|-------|---------|------|-------|---------|---------|------|----------|-----------|-------------------|---------------|
| ROD NO.           | 3     | DC / DP | BASE | GRADE | ROD LB. | T.J. DD | TYPE | NO. JNTS | PUMP TYPE | PUMP MANUFACTURER | STROKE LENGTH |
| FUEL @ 00:00 HRS  | 222   | 33      |      |       |         |         |      |          |           |                   |               |
| TEMPERATURE       | 38    |         |      |       |         |         |      |          |           |                   |               |
| DRILLER SIGNATURE | CLEAR |         |      |       |         |         |      |          |           |                   |               |
| DRILLER SIGNATURE | CLEAR |         |      |       |         |         |      |          |           |                   |               |
| DRILLER SIGNATURE | CLEAR |         |      |       |         |         |      |          |           |                   |               |
| DRILLER SIGNATURE | CLEAR |         |      |       |         |         |      |          |           |                   |               |

**ALL IN ONE**  
PAGE NO. PRINTOUT

|                 |                                                                     |       |   |     |    |
|-----------------|---------------------------------------------------------------------|-------|---|-----|----|
| YEAR            | 2003                                                                | MONTH | 1 | DAY | 21 |
| OPERATOR        | PARAMOUNT RESOURCES LTD.                                            |       |   |     |    |
| CONTRACTOR      | WILSON DRILLING LTD.                                                |       |   |     |    |
| RIG NO.         | 3                                                                   |       |   |     |    |
| RIG MANAGER     | CLINT MAYER                                                         |       |   |     |    |
| PROVINCE        | ALBERTA                                                             |       |   |     |    |
| CAMP            | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |       |   |     |    |
| RIG SAFETY DAYS | 2                                                                   |       |   |     |    |

| NO. | DRILLING ASSEMBLY | LENGTH | BIT RECORD                                                                                                                                                                | MORNING TOUR                                                                                         | MUD RECORD                             | METRES DRILLED                               | TIME LOG                             |
|-----|-------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------|--------------------------------------|
| 1   | DRILL PIPE        | 10.0   | BIT NO. 1000<br>SIZE 1000<br>MFG CODE 1000<br>TYPE 1000<br>SERIAL NO. 1000<br>JETS 1000<br>DEPTH OUT 1000<br>DEPTH IN 1000<br>TOTAL IN DRILLED 1000<br>TOTAL HRS RUN 1000 | MUD TYPE 1000<br>TIME 1000<br>DENSITY (KG/CM3) 1000<br>FUNNEL VIS 1000<br>W.L. (CM3) 1000<br>PH 1000 | PRODUCT 1000<br>USED 1000<br>UNIT 1000 | FROM 1000 TO 1000 DRC 1000 RPM 1000 WOB 1000 | FROM 1000 TO 1000 HRS 1000 CODE 1000 |

| CREW        | SOC INS. NO. | NAME             | HRS  | YES | NO |
|-------------|--------------|------------------|------|-----|----|
| DRILLER     | 623903481    | MONTE RUTHERFORD | 8.00 |     | MR |
| DERICK HAND | 640889127    | BILL GODDU       | 8.00 |     | BG |
| MOTOR HAND  | 647021237    | DALTON PELKEY    | 8.00 |     | DP |
| FLOOR HAND  | 647135714    | JUD BEAL         | 8.00 |     | JB |
| FLOOR HAND  | 647800697    | ARNOLD MANUAL    | 8.00 |     | AM |
| LEASE HAND  |              |                  |      |     |    |

| NO. | DRILLING ASSEMBLY | LENGTH | BIT RECORD                                                                                                                                                                | MORNING TOUR                                                                                         | MUD RECORD                             | METRES DRILLED                               | TIME LOG                             |
|-----|-------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------|--------------------------------------|
| 2   | DRILL PIPE        | 10.0   | BIT NO. 1000<br>SIZE 1000<br>MFG CODE 1000<br>TYPE 1000<br>SERIAL NO. 1000<br>JETS 1000<br>DEPTH OUT 1000<br>DEPTH IN 1000<br>TOTAL IN DRILLED 1000<br>TOTAL HRS RUN 1000 | MUD TYPE 1000<br>TIME 1000<br>DENSITY (KG/CM3) 1000<br>FUNNEL VIS 1000<br>W.L. (CM3) 1000<br>PH 1000 | PRODUCT 1000<br>USED 1000<br>UNIT 1000 | FROM 1000 TO 1000 DRC 1000 RPM 1000 WOB 1000 | FROM 1000 TO 1000 HRS 1000 CODE 1000 |

| CREW        | SOC INS. NO. | NAME             | HRS  | YES | NO |
|-------------|--------------|------------------|------|-----|----|
| DRILLER     | 623903481    | MONTE RUTHERFORD | 8.00 |     | MR |
| DERICK HAND | 640889127    | BILL GODDU       | 8.00 |     | BG |
| MOTOR HAND  | 647021237    | DALTON PELKEY    | 8.00 |     | DP |
| FLOOR HAND  | 647135714    | JUD BEAL         | 8.00 |     | JB |
| FLOOR HAND  | 647800697    | ARNOLD MANUAL    | 8.00 |     | AM |
| LEASE HAND  |              |                  |      |     |    |

| NO. | DRILLING ASSEMBLY | LENGTH | BIT RECORD                                                                                                                                                                | DAY TOUR                                                                                             | MUD RECORD                             | METRES DRILLED                               | TIME LOG                             |
|-----|-------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------|--------------------------------------|
| 3   | DRILL PIPE        | 10.0   | BIT NO. 1000<br>SIZE 1000<br>MFG CODE 1000<br>TYPE 1000<br>SERIAL NO. 1000<br>JETS 1000<br>DEPTH OUT 1000<br>DEPTH IN 1000<br>TOTAL IN DRILLED 1000<br>TOTAL HRS RUN 1000 | MUD TYPE 1000<br>TIME 1000<br>DENSITY (KG/CM3) 1000<br>FUNNEL VIS 1000<br>W.L. (CM3) 1000<br>PH 1000 | PRODUCT 1000<br>USED 1000<br>UNIT 1000 | FROM 1000 TO 1000 DRC 1000 RPM 1000 WOB 1000 | FROM 1000 TO 1000 HRS 1000 CODE 1000 |

| CREW        | SOC INS. NO. | NAME             | HRS   | YES | NO |
|-------------|--------------|------------------|-------|-----|----|
| DRILLER     | 633182835    | MIKE STOLTE      | 12.00 |     | MS |
| DERICK HAND | 713662369    | ROB PIPER        | 12.00 |     | RP |
| MOTOR HAND  | 649185477    | BRANDEN ZILINSKI | 12.00 |     | BZ |
| FLOOR HAND  | 634209316    | DARRELL LIND     | 12.00 |     | DL |
| LEASE HAND  |              |                  |       |     |    |

| NO. | DRILLING ASSEMBLY | LENGTH | BIT RECORD                                                                                                                                                                | EVENING TOUR                                                                                         | MUD RECORD                             | METRES DRILLED                               | TIME LOG                             |
|-----|-------------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------|--------------------------------------|
| 4   | DRILL PIPE        | 10.0   | BIT NO. 1000<br>SIZE 1000<br>MFG CODE 1000<br>TYPE 1000<br>SERIAL NO. 1000<br>JETS 1000<br>DEPTH OUT 1000<br>DEPTH IN 1000<br>TOTAL IN DRILLED 1000<br>TOTAL HRS RUN 1000 | MUD TYPE 1000<br>TIME 1000<br>DENSITY (KG/CM3) 1000<br>FUNNEL VIS 1000<br>W.L. (CM3) 1000<br>PH 1000 | PRODUCT 1000<br>USED 1000<br>UNIT 1000 | FROM 1000 TO 1000 DRC 1000 RPM 1000 WOB 1000 | FROM 1000 TO 1000 HRS 1000 CODE 1000 |

| CREW        | SOC INS. NO. | NAME             | HRS  | YES | NO |
|-------------|--------------|------------------|------|-----|----|
| DRILLER     | 623903481    | MONTE RUTHERFORD | 4.00 |     | MR |
| DERICK HAND | 640889127    | BILL GODDU       | 4.00 |     | BG |
| MOTOR HAND  | 647021237    | DALTON PELKEY    | 4.00 |     | DP |
| FLOOR HAND  | 647135714    | JUD BEAL         | 4.00 |     | JB |
| FLOOR HAND  | 647800697    | ARNOLD MANUAL    | 4.00 |     | AM |
| LEASE HAND  |              |                  |      |     |    |



OPERATOR  
PARAMOUNT RESOURCES LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE  
AL IRONSIDE

CODE NO. 1

CONTRACTOR  
WILSON DRILLING LTD.

UNIQUE ID  
66-40FT.X 125-45FT.

SIGNATURE OF CONTRACTOR'S RIG MANAGER  
CLINT MAYER

CODE NO. 2

(1.) Detailed Inspection - Weekly (Using Check List)

(2.) HSE Signs Posted & Required

(3.) Well Location & Plot Diagram Posted

(4.) Flow Lines Blended

(5.) ROP Data Performed

(6.) Visually Inspected ROP- Flow Lines & Dragger Lines

(7.) Rig Site Health & Safety Meeting (on-site/remote)

(8.) CADC Rig Rated Inspection Checklist (on-site/remote)

(9.) Visual Inspection before Raising or Lowering

(10.) Ground Water Check

(11.) Master Key Checked

TIME / HRS

DRILL ACTUAL

REARMS

CORING

COND & CIRC

TYPE

RIG SERVICE

REPAIR RIG

CUT DRILLING LINE

DEV. SURVEY

WIRELINE LOGS

RUN CSD & CEMENT

WATE ON CEMENT

APPLY UP B.D.P.

TEST B.D.P.

DRILL STOP

PLUG BACK

POSSIBLE CEMENT

FEEDING

DRILL WORK

SAFETY MEETING

TOTAL

SCREENS CHANGED

TOP

FEED

DEPTH

SHALES/SHAKERS

RENTALS

WELL NAME & NO.  
PARA etal NOGHA

OPERATOR  
PARAMOUNT RESOURCES LTD.

RIG MANAGER  
CLINT MAYER

PREVIOUS  
N.W.T.

YEAR  
2003

MONTH  
1

DAY  
20

CONTRACTOR  
WILSON DRILLING LTD.

RIG NO.  
3

RIG SAFETY DAYS  
1

CAMP  
X YES  
NO

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION

BRG

GAGE

OTHER DULL

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BITTM

FLL ON BITTM (m)

DRILL PIPE

STANDS

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY

LENGTH

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT

DEPTH IN

TOTAL IN DRILLED

TOTAL HRS RUN

CUTTING STRUCTURE

TI

Td

MAJOR DULL

LOCATION



[illegible]

[illegible]

[illegible]

|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| EVENING SHIP 1                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 15                                                                                                  |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | WELL NAME AND NO.: PARA etal NOGHA P C-49                                                                                 |  |  |  |  |  |  |  |  |  |
| OPERATOR: PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | CONTRACTOR: WILSON DRILLING LTD.                                                                                          |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION:                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | UNIQUE I.D. 300C496640125450                                                                                              |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  |
| WILF SWAN                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                               |  |  |  |  |  |  |  |  |  |
| SAFETY TOPIC                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | RIG UP SERVICE EQUIP                                                                                                      |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | O.D mm MIN. LD kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG SET AT (m)                                                 |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. LD TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | SHAPE SHAKER(S) NO. 1 TYPE KING TYPE                                                                                      |  |  |  |  |  |  |  |  |  |
| 155 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | CHANGES SCREENS YES NO                                                                                                    |  |  |  |  |  |  |  |  |  |
| 165 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | TOP 80140 TOP 110                                                                                                         |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | MIDDLE 80140 MIDDLE 110                                                                                                   |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | BOTTOM 110 BOTTOM 110                                                                                                     |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RD SERVICE REPAIRS CUT OFF DRILL LINE DEV. SURVEY WIRELINE LOSS RUN CSG. & CEMENT WAIT ON CEMENT HOPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER ENCAPSILA |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| MORN                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | 3 00 0 25 4 00 0 75 8 00                                                                                                  |  |  |  |  |  |  |  |  |  |
| DAY                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | 11 75 0.25 12 00                                                                                                          |  |  |  |  |  |  |  |  |  |
| EVE                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | 2 50 1.50 4 00                                                                                                            |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | 17 25 0 50 4 00 0 75 1 50 24 00                                                                                           |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 1 BIT/MILLS O.D. mm 0.25 m BIT NO. 1 SIZE (mm) 216 0                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED                                                                                                     |  |  |  |  |  |  |  |  |  |
| MOTOR 159 8 10 m                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | TIME                                                                                                                      |  |  |  |  |  |  |  |  |  |
| FLOAT SUB 165 0 80 m                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | DENSITY kg/m3                                                                                                             |  |  |  |  |  |  |  |  |  |
| X.O 166 0.22 m                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | FUNNEL VIS cP                                                                                                             |  |  |  |  |  |  |  |  |  |
| MONEL 164 9.47 m                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | W L cm/ FILCK                                                                                                             |  |  |  |  |  |  |  |  |  |
| TRANSMITT 159 1 80 m                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | PH                                                                                                                        |  |  |  |  |  |  |  |  |  |
| MONEL 164 9 47 m                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | Circ. Press (kPa)                                                                                                         |  |  |  |  |  |  |  |  |  |
| X.O 165 0 70 m                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | PUMP NO. 1 PUMP NO. 2                                                                                                     |  |  |  |  |  |  |  |  |  |
| D.C 164 34 56 m                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | LINER(mm) SPM LINER(mm) SPM                                                                                               |  |  |  |  |  |  |  |  |  |
| JAR 160 5.20 m                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | 152 0                                                                                                                     |  |  |  |  |  |  |  |  |  |
| D.C 164 103 85 m                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED                                                                                                        |  |  |  |  |  |  |  |  |  |
| H.W.D.P 114 75 18 m                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | @ 0 @                                                                                                                     |  |  |  |  |  |  |  |  |  |
| X.O 152 0 39 m                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | DESILTER                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                           |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLPIPE STANDS                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| TOTAL 249.99 m                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY                                                                                                          |  |  |  |  |  |  |  |  |  |
| D.C. 1000 drag dan                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | DEPTH (m) DEVIATION DIRECTION                                                                                             |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 33 1000 TORQUE                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                                                                              |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MIKE STOLTE                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | 4 00 11 0 400                                                                                                             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | MACP 0                                                                                                                    |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD 18                                                                                                           |  |  |  |  |  |  |  |  |  |

|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO : <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                            |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOPs, Flarelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>131</b> BOILER                                                   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                      |  | CM<br>CM<br>CM<br>CM                      |  | WEATHER<br>TEMPERATURE <b>-36</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                                                         |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                                                         |  |

|      |         |                     |         |        |
|------|---------|---------------------|---------|--------|
| OFF. | R.M.    | YEAR 2003           | MONTH 2 | DAY 15 |
| WS   | CM      | RIG NO. 3           |         |        |
| WS   | CM      | FUEL @ 08:00 HRS.   |         |        |
| WS   | CM      |                     |         |        |
| WS   | CM      |                     |         |        |
| WS   | CM      |                     |         |        |
| WS   | CM      | RIG 131             | BOILER  |        |
| CM   | WEATHER | TEMPERATURE -36     |         |        |
| CM   |         | CONDITIONS CLEAR    |         |        |
| CM   |         | WIND DIRECTION CALM |         |        |
| CM   |         | ROAD CONDITION ICE  |         |        |

## HANDLING TUBULARS

| LAST CASING TUBING OR LINES | O.D mm | MIN. LD | kg/m    | MAKE         | GRADE       | # OF JOINTS | TOTAL (m)         | KB TO CSG. | SET AT (m)  | SHALE SHAKER(S) |           |        |     | RENTALS / SERVICES |  |  | Morn | Day | Eve |
|-----------------------------|--------|---------|---------|--------------|-------------|-------------|-------------------|------------|-------------|-----------------|-----------|--------|-----|--------------------|--|--|------|-----|-----|
|                             |        |         |         |              |             |             |                   |            |             | NO 1            | TYPE KING | TYPE   |     |                    |  |  |      |     |     |
|                             |        |         |         |              |             |             |                   |            |             | CHANGE SCREENS  |           |        | YES | NO                 |  |  |      |     |     |
|                             |        |         |         |              |             |             |                   |            |             | TDP             | 80140     | TOP    | 110 |                    |  |  |      |     |     |
|                             |        |         |         |              |             |             |                   |            |             | MIDDLE          | 80140     | MIDDLE | 110 |                    |  |  |      |     |     |
|                             |        |         |         |              |             |             |                   |            |             | BOTTOM          | 110       | BOTTOM | 110 |                    |  |  |      |     |     |
| DC - DP SIZE                | KG / M | GRADE   | MIN. ID | TOOL JT O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH. |                 |           |        |     |                    |  |  |      |     |     |
|                             | 20.84  | E       | 84      | 117          | 4"FH        | 208         | OILWELL           | PT-850     | 229         |                 |           |        |     |                    |  |  |      |     |     |
|                             | 62.45  | H.W.D.  | 70      | 158          | 4.5"XH      | 20          | EMSCO             | 375        | 356         |                 |           |        |     |                    |  |  |      |     |     |
| 165                         | 151.70 | D.C     | 73      | 171          | 4.5"XH      | 20          |                   |            |             |                 |           |        |     |                    |  |  |      |     |     |

| CODE NO. | 1     | 2                | 3            | 4        | 5      | 6                 | 7     | 8           | 9         | 10                  | 11         | 12            | 13                | 14             | 15             | 16         | 17          | 18        | 19             | 20     | 21               | 22             | 23    | 24        | 25 | 26 | TOTAL |       |
|----------|-------|------------------|--------------|----------|--------|-------------------|-------|-------------|-----------|---------------------|------------|---------------|-------------------|----------------|----------------|------------|-------------|-----------|----------------|--------|------------------|----------------|-------|-----------|----|----|-------|-------|
|          | OPER. | GROUP & TEARDOWN | DRILL ACTUAL | REBARING | CORING | CONC. PUMP & CUR. | TRIPS | RIG SERVICE | REPAIRING | CUT OFF DRILL, LINE | DEV SURVEY | WIRELINE LOGS | RUN COIL & CEMENT | WAIT ON CEMENT | SHUPL UP S.O.P | TEST S.O.P | DRILL STEEL | PLUG BACK | SQUEEZE CEMENT | FEHONG | DIRECTIONAL WORK | SAFETY MEETING | OTHER | ENCAPSILA |    |    |       |       |
|          | BORN  |                  |              |          |        |                   | 3.00  | 0 25        |           |                     |            |               |                   |                |                | 4 00       |             |           |                |        |                  |                | 0 75  |           |    |    |       | 8 00  |
|          | DAY   |                  |              |          |        |                   | 11 75 | 0 25        |           |                     |            |               |                   |                |                |            |             |           |                |        |                  |                |       |           |    |    |       | 12 00 |
|          | EVE   |                  |              |          |        |                   | 2 50  |             |           |                     |            |               |                   |                |                |            |             |           |                |        |                  |                |       | 1 50      |    |    |       | 4 00  |
|          | TOTAL |                  |              |          |        |                   | 17 25 | 0 50        |           |                     |            |               |                   |                |                | 4 00       |             |           |                |        |                  |                | 0 75  | 1 50      |    |    |       | 24.00 |

[illegible]



|                                           |  |                                                   |  |                                                                                                                                                                                                                                                      |  |                                                                                                                           |  |                                                                                   |  |
|-------------------------------------------|--|---------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b> |  | (2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted (If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM                                                               |  | FUEL @ 08:00 HRS.<br>RIG 156 BOILER                                               |  |
| OPERATOR. <b>PARAMOUNT RESOURCES LTD.</b> |  | CONTRACTOR: <b>WILSON DRILLING LTD.</b>           |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A. O.D.C Rig Safety Inspection Checklists(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                    |  | CM<br>CM<br>CM<br>CM<br>CM                                                                                                |  | TEMPERATURE -26<br>CONDITIONS CLOUDY<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE |  |
| SURFACE LOCATION                          |  | UNIQUE I.D. : <b>300C496640125450</b>             |  | OPERATORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                              |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                   |  |

## HANDLING DIVETER

| LAST<br>CASING<br>TUBING<br>OR<br>LINER | O.D. mm |  | MIN. I.D |  | kg/m |  | WAKE |  | GRADE |  | # OF JOINTS |  | TOTAL (m) |  | KB TO CSG. |  | SET AT (m) |  | SHALE SHAKER(S) |        |       | RENTALS / SERVICES |     |  |  |  |  |  |  |  |  | Mon | Day | Eve |  |  |
|-----------------------------------------|---------|--|----------|--|------|--|------|--|-------|--|-------------|--|-----------|--|------------|--|------------|--|-----------------|--------|-------|--------------------|-----|--|--|--|--|--|--|--|--|-----|-----|-----|--|--|
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  | NO.             | TYPE   | TYPE  |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  | 1               | KING   |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  | CHANGES SCREENS |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 | TOP    | 80140 | TOP                | 110 |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 | MIDDLE | 80140 | MIDDLE             | 110 |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 | BOTTOM | 110   | BOTTOM             | 110 |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |
|                                         |         |  |          |  |      |  |      |  |       |  |             |  |           |  |            |  |            |  |                 |        |       |                    |     |  |  |  |  |  |  |  |  |     |     |     |  |  |

| NO. DRILLING ASSEMBLY<br>(AT END OF TOUR) |  |         |  | BIT RECORD |  |             |  | MUD RECORD |  |                          |                             | METERS DRILLED |                             |               |  | TIME LOG      |  |           |  | TIME DETAIL |     |      |                                           |                                                            |  |      |  |  |  |
|-------------------------------------------|--|---------|--|------------|--|-------------|--|------------|--|--------------------------|-----------------------------|----------------|-----------------------------|---------------|--|---------------|--|-----------|--|-------------|-----|------|-------------------------------------------|------------------------------------------------------------|--|------|--|--|--|
| BIT/BLLS                                  |  | O.D. mm |  | BIT NO.    |  | WATER BASED |  | OIL BASED  |  | FROM                     |                             | TO             |                             | DRILL/REAM/CR |  | ROTARY R.P.M. |  | WT ON BIT |  | FROM        |     | TO   |                                           | ELAPSED TIME                                               |  | CODE |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | 509 00                   |                             |                |                             |               |  |               |  |           |  | 0           | 45  | 0.75 | 12                                        | CEMENT CASING                                              |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  | 45          | 645 | 6.00 | 13                                        | WAIT ON CEMENT (NIPPLE DOWN DIVERTER PREP TO CUT CONDUCTOR |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  | 645         |     |      |                                           | CLEAN MUD TANKS PREP BOPS TO NIPPLE UP RIG OUT BOOEY LINE) |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  | 645         | 800 | 1.25 | 22                                        | HANDLE DIVETER ,CUT CONDUCTOR                              |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | Circ. Press (kPa)        | PUMP NO. 1<br>LINER(mm) SPM |                | PUMP NO. 2<br>LINER(mm) SPM |               |  |               |  |           |  | 800         |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | 165 0                    | 0 0                         |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | REDUCED PUMP SPEED       |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | @                        |                             |                | @                           |               |  |               |  |           |  |             |     |      | Cemented w/3m3 water preflush followed by |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | SOLIDS CONTROL EQUIPMENT |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | DESILTER                 |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | HOURS                    | INTAKE                      |                | OVERFLOW UNDERFLOW          |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | CENTRIFUGE               |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  | HOURS                    | INTAKE                      |                | OVERFLOW UNDERFLOW          |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |
|                                           |  |         |  |            |  |             |  |            |  |                          |                             |                |                             |               |  |               |  |           |  |             |     |      |                                           |                                                            |  |      |  |  |  |

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|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                  |  |                                                                                           |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|-------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                            |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted, (If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM |  | 3<br><b>FUEL @ 08:00 HRS.</b>                                                             |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                        |  | YH CM<br>YH CM                   |  | RIG<br>BOILER                                                                             |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  | CM<br>CM<br>CM<br>CM             |  | WEATHER<br>TEMPERATURE -27<br>CONDITIONS CLEAR<br>WIND DIRECTIONS E<br>ROAD CONDITION ICE |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                  |  |                                                                                           |  |

|      |      |                                                                                                                                      |      |        |   |     |    |
|------|------|--------------------------------------------------------------------------------------------------------------------------------------|------|--------|---|-----|----|
| Dep. | R.M. | YEAR                                                                                                                                 | 2003 | MONTH  | 2 | DAY | 13 |
| YH   | CM   | RIG NO. 3                                                                                                                            |      |        |   |     |    |
| YH   | CM   | FUEL @ 08:00 HRS.                                                                                                                    |      |        |   |     |    |
| YH   | CM   |                                                                                                                                      |      |        |   |     |    |
| YH   | CM   |                                                                                                                                      |      |        |   |     |    |
|      |      | RIG                                                                                                                                  |      | BOILER |   |     |    |
| YH   | CM   | <div>WEATHER</div> <div>TEMPERATURE -27</div> <div>CONDITIONS CLEAR</div> <div>WIND DIRECTIONS E</div> <div>ROAD CONDITION ICE</div> |      |        |   |     |    |
|      |      |                                                                                                                                      |      |        |   |     |    |
| CM   |      |                                                                                                                                      |      |        |   |     |    |
| CM   |      |                                                                                                                                      |      |        |   |     |    |
| CM   |      |                                                                                                                                      |      |        |   |     |    |

# CLINT MAYER

## SAFETY TOPIC

1 RUN CSG

| LAST CASING TUBING OR LINER | O.D. mm | MIN. I.D. | kg/m      | MAKE         | GRADE       | # OF JOINTS | TOTAL (m)         | KB TO CSG. | SET AT (m) | SHALE SHAKER(S) |           |        |     | RENTALS / SERVICES |  |  |  | Mon | Day | Eve |
|-----------------------------|---------|-----------|-----------|--------------|-------------|-------------|-------------------|------------|------------|-----------------|-----------|--------|-----|--------------------|--|--|--|-----|-----|-----|
|                             |         |           |           |              |             |             |                   |            |            | NO. 1           | TYPE KING | TYPE   |     |                    |  |  |  |     |     |     |
|                             |         |           |           |              |             |             |                   |            |            | CHANGES SCREENS |           |        | YES | NO                 |  |  |  |     |     |     |
|                             |         |           |           |              |             |             |                   |            |            | TOP             | 80140     | TOP    | 110 |                    |  |  |  |     |     |     |
|                             |         |           |           |              |             |             |                   |            |            | MIDDLE          | 80140     | MIDDLE | 110 |                    |  |  |  |     |     |     |
|                             |         |           |           |              |             |             |                   |            |            | BOTTOM          | 110       | BOTTOM | 110 |                    |  |  |  |     |     |     |
| DC - DP SIZE                | KG / M  | GRADE     | MIN. I.D. | TOOL JT O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH |                 |           |        |     |                    |  |  |  |     |     |     |
| 20.84                       | F       | 84        | 117       | 4"FH         | 208         | OILWELL     | PT-850            | 229        |            |                 |           |        |     |                    |  |  |  |     |     |     |
| 62.45                       | H.W.D.  | 70        | 158       | 4.5"XH       | 20          | EMSCO       | 375               | 356        |            |                 |           |        |     |                    |  |  |  |     |     |     |
| 151.70                      | D.C.    | 72        | 171       | 4.5"XH       | 20          |             |                   |            |            |                 |           |        |     |                    |  |  |  |     |     |     |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7          | 8         | 9                  | 10         | 11             | 12                | 13             | 14               | 15          | 16          | 17        | 18             | 19      | 20               | 21             | 22    | 23 | 24 | 25 | 26 | TOTAL |
|----------|------------------|--------------|---------|--------|-------------------|-------|------------|-----------|--------------------|------------|----------------|-------------------|----------------|------------------|-------------|-------------|-----------|----------------|---------|------------------|----------------|-------|----|----|----|----|-------|
| OPER.    | RIGUP & TEARDOWN | DRILL ACTUAL | REARING | CORING | COND. BUD & CIRC. | TRIPS | RO SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELINER LOGS | RUN CBL. & CEMENT | WAIT ON CEMENT | RIPPLE UP B.O.P. | TEST B.O.P. | DRILL STEER | PLUG BACK | SQUEEZE CEMENT | PERFOR. | DIRECTIONAL WORK | SAFETY MEETING | OTHER |    |    |    |    |       |
| MORN     |                  |              |         |        |                   | 1 00  | 0.25       |           |                    |            |                | 5 75              |                |                  |             |             |           |                |         |                  |                | 1 00  |    |    |    |    | 8 00  |
| DAY      |                  |              |         |        | 5 75              |       |            |           |                    |            |                | 2.25              |                |                  |             |             |           |                |         |                  |                |       |    |    |    |    | 8 00  |
| EVE      |                  |              |         |        | 5 75              |       |            |           |                    |            |                | 2 00              |                |                  |             |             |           |                |         |                  | 0 25           |       |    |    |    |    | 8 00  |
| TOTAL    |                  |              |         |        | 11 50             | 1 00  | 0.25       |           |                    |            |                | 10 00             |                |                  |             |             |           |                |         |                  | 0 25           | 1 00  |    |    |    |    | 24 00 |

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|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                      |  |                                                                                                                        |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines |  | RIG NO. <b>3</b><br>FUEL @ 08:00 HRS.<br>RIG _____ BOILER _____                                                        |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                      |  | WEATHER<br>TEMPERATURE <b>-27</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>S E</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                      |  |                                                                                                                                                                                                                                                      |  |                                                                                                                        |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                      |  |                                                                                                                        |  |

| YUGON HOPE                  |                  |              |         |        |                  |         |            | CLINT MAYER |                    |             |               |                   |                |                   |            | SAFETY TOPIC |            |                |                 | CEMENTING        |                |       |                    |        |     |     |       |     |     |  |
|-----------------------------|------------------|--------------|---------|--------|------------------|---------|------------|-------------|--------------------|-------------|---------------|-------------------|----------------|-------------------|------------|--------------|------------|----------------|-----------------|------------------|----------------|-------|--------------------|--------|-----|-----|-------|-----|-----|--|
| LAST CASING TUBING OR LINER | O.D mm           |              | MIN. LD |        | kg/m             |         | MAKE       |             | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                   | KB TO CSG. |              | SET AT (m) |                | SHALE SHAKER(S) |                  |                |       | RENTALS / SERVICES |        |     |     | Mon   | Day | Eve |  |
|                             |                  |              |         |        |                  |         |            |             |                    |             |               |                   |                |                   |            |              |            |                | NO. 1           |                  | TYPE KING      |       | TYPE               |        |     |     |       |     |     |  |
|                             |                  |              |         |        |                  |         |            |             |                    |             |               |                   |                |                   |            |              |            |                | CHANGES SCREENS |                  | YES            |       | NO                 |        |     |     |       |     |     |  |
|                             |                  |              |         |        |                  |         |            |             |                    |             |               |                   |                |                   |            |              |            |                | TOP             |                  | 80140          |       | TOP                |        | 110 |     |       |     |     |  |
| DC DP SIZE                  |                  | KG / M       |         | GRADE  |                  | MIN. LD |            | TOOL JT O.D |                    | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER |            | PUMP TYPE    |            | STROKE LTH.    |                 | MIDDLE           |                | 80140 |                    | MIDDLE |     | 110 |       |     |     |  |
|                             |                  | 20.84        |         | E      |                  | 84      |            | 117         |                    | 4"FH        |               | 208               |                | OILWELL           |            | PT-850       |            | 229            |                 |                  |                |       |                    |        |     |     |       |     |     |  |
|                             |                  | 62.45        |         | H.W.D. |                  | 70      |            | 158         |                    | 4.5"XH      |               | 20                |                | EMSCO             |            | 375          |            | 356            |                 | BOTTOM           |                | 110   |                    | BOTTOM |     | 110 |       |     |     |  |
| 165                         |                  | 151.70       |         | D.C    |                  | 73      |            | 171         |                    | 4.5"XH      |               | 20                |                |                   |            |              |            |                |                 |                  |                |       |                    |        |     |     |       |     |     |  |
| CODE NO.                    | 1                | 2            | 3       | 4      | 5                | 6       | 7          | 8           | 9                  | 10          | 11            | 12                | 13             | 14                | 15         | 16           | 17         | 18             | 19              | 20               | 21             | 22    | 23                 | 24     | 25  | 26  | TOTAL |     |     |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | COND. BUD & CRC. | TRIPS   | RD SERVICE | REPAIRED    | CUT OFF DRLO. LINE | DEV SURVEY  | WIRELINE LOOS | RUN CSG. & CEMENT | WAIT ON CEMENT | HOPEL UP B.O.P    | TEST B.O.P | DRILL STEM   | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING | OTHER |                    |        |     |     |       |     |     |  |
| MORN                        |                  |              |         |        |                  | 1 00    | 0.25       |             |                    |             |               | 5 75              |                |                   |            |              |            |                |                 |                  |                | 1 00  |                    |        |     |     | 8 00  |     |     |  |
| DAY                         |                  |              |         |        | 5 75             |         |            |             |                    |             |               | 2.25              |                |                   |            |              |            |                |                 |                  |                |       |                    |        |     |     | 8 00  |     |     |  |
| EVE                         |                  |              |         |        | 5 75             |         |            |             |                    |             |               | 2 00              |                |                   |            |              |            |                |                 |                  | 0 25           |       |                    |        |     |     | 8 00  |     |     |  |
| TOTAL                       |                  |              |         |        | 11 50            | 1 00    | 0 25       |             |                    |             |               | 10 00             |                |                   |            |              |            |                |                 |                  | 0 25           | 1 00  |                    |        |     |     | 24 00 |     |     |  |

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|---------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. <b>PARA etal NOGHA P C-49</b>                                                                             |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's, Flarelines & Degasser Lines |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>214</b> BOILER                                                   |  |
| OPERATOR <b>PARAMOUNT RESOURCES LTD.</b>                                                                                  |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                      |  |                                                                                                                                                                                                                                                       |  | BR<br>BR<br>BR<br>BR                                                                                                    |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE ID : <b>300C496640125450</b>                                                                                         |  |                                                                                                                                                                                                                                                       |  | BR<br>BR<br>BR<br>BR                                                                                                    |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                       |  | WEATHER<br>TEMPERATURE <b>-30</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |

## 1 DE-ICING

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |                   |          |         | BIT RECORD |               |         |          | MUD RECORD |         |                    |        | METERS DRILLED |                  |                          |            | TIME LOG        |               |           |                                                      | TIME DETAIL          |              |      |                                            |                                                                       |                                                     |  |
|---------------------------------------|-------------------|----------|---------|------------|---------------|---------|----------|------------|---------|--------------------|--------|----------------|------------------|--------------------------|------------|-----------------|---------------|-----------|------------------------------------------------------|----------------------|--------------|------|--------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------|--|
| NO.                                   | BIT/BELLS         | O.D. mm  | I.D. mm | MT         | BIT NO.       | 1RR     |          |            |         | WATER BASED        | X      | OIL BASED      |                  | FROM                     | TO         | DRILL/ REAM/CR. | ROTARY R.P.M. | WT ON BIT | FROM                                                 | TO                   | ELAPSED TIME | CODE |                                            |                                                                       |                                                     |  |
| 1                                     | BIT SUB           | 230      | 0 90    | mm         | SIZE (mm)     | 311 0   |          |            |         | TIME               | 200    | 400            | 600              | 480 00                   | 509 00     | D               | 60            | 8         | 0                                                    | 315                  | 3.25         | 2    | DRILL OUT CEMENT F/ 480M - 501M            |                                                                       |                                                     |  |
| 1                                     | BELL SUB          | 222      | 0 62    | mm         | IADC CODE     |         |          |            |         | DENSITY kg/m3      | 1000   | 1000           | 1070             |                          |            |                 |               |           | 315                                                  | 330                  | 0.25         | 7    | RIG SERVICE F/T ANNULAR 12 SECS. T/C       |                                                                       |                                                     |  |
| 15                                    | D C               | 165      | 129.25  | mm         | MFG.          | VAREL   |          |            |         | FUNNEL VIS s/l     | 29     | 29             | 60               |                          |            |                 |               |           | 330                                                  | 445                  | 1.25         | 2    | DRILL OUT CEMENT F/ 501M - 509M            |                                                                       |                                                     |  |
| 8                                     | H.W D P           | 114      | 78 15   | mm         | Type          | ETD44   |          |            |         | W.L cm/ FILCK      |        |                |                  | Circ. Press (kPa)        | PUMP NO. 1 | PUMP NO. 2      |               |           | 445                                                  | 515                  | 0.50         | 5    | CIRC. BOTTOMS UP ( WORK DRILL STRING )     |                                                                       |                                                     |  |
| 1                                     | X.O               | 152      | 0 39    | mm         | SERIAL NO.    | 176923  |          |            |         | PH                 |        |                | 9 0              | LINER(mm)                | SPM        | LINER(mm)       | SPM           |           | 515                                                  | 615                  | 1.00         | 5    | DISPLACE HOLE TO MUD ( WORK DRILL STRING ) |                                                                       |                                                     |  |
|                                       |                   |          |         | mm         | JETS (mm)     | O P E N |          |            |         | MUD MATERIALS USED |        |                |                  | REDUCED PUMP SPEED       |            |                 |               |           |                                                      | 800                  |              |      |                                            |                                                                       |                                                     |  |
|                                       |                   |          |         | mm         | DEPTH IN (m)  | 285 00  |          |            |         | TYPE               | QTY    | UNITS          |                  | SOLIDS CONTROL EQUIPMENT |            |                 |               |           |                                                      |                      |              |      |                                            | total drilling fluid lost to formation to 509 m =3510 m3 . (surface h |                                                     |  |
|                                       |                   |          |         | mm         | DEPTH OUT (m) | 509 00  |          |            |         |                    |        |                |                  | HOURS                    | INTAKE     | OVERFLOW        | UNDERFLOW     |           |                                                      |                      |              |      |                                            | 90 % fresh water while drilling without complete returns to surface . |                                                     |  |
|                                       |                   |          |         | mm         | TOTAL METER   | 224 00  |          |            |         |                    |        |                |                  | CENTRIFUGE               |            |                 |               |           |                                                      |                      |              |      |                                            |                                                                       | RIG FUEL @ 06:00HRS. = 214cm                        |  |
|                                       |                   |          |         | mm         | TOTAL HOURS   | 20 50   |          |            |         |                    |        |                |                  | HOURS                    | INTAKE     | OVERFLOW        | UNDERFLOW     |           |                                                      |                      |              |      |                                            |                                                                       | BOILER FUEL @ 06:00HRS. - #1 = 166cm #2 = 174cm     |  |
| 15                                    | DRILLPIPE STANDS  | 291 75   | m       | INNER      | OUTER         | DULL    | LOCATION | BEARINGS   | GAGE/mm | OTHER              | REASON | R.O.P          |                  |                          |            |                 |               |           |                                                      |                      |              |      |                                            |                                                                       | RIG IN STEAM LINES TO SHALE SLOOP & CENTRIFUGE TANK |  |
|                                       | DRILLPIPE SINGLES |          | m       |            |               |         |          |            |         |                    |        |                | DEVIATION SURVEY |                          |            |                 | HOURS         | INTAKE    | OVERFLOW                                             | UNDERFLOW            |              |      |                                            |                                                                       | TRANSFER 150cm TO RIG TANK                          |  |
| KELLY DOWN                            | 7.59              | m        |         |            |               |         |          |            |         |                    |        | DEPTH ( m )    | DEVIATION        | DIRECTION                |            |                 |               |           |                                                      |                      |              |      |                                            |                                                                       |                                                     |  |
| TOTAL WT. OF D.C.                     | 509.00            | m        |         |            |               |         |          |            |         |                    |        |                |                  |                          |            | HRS. RUN        | BOILER PH     | STACK deg | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE |                      |              |      |                                            |                                                                       |                                                     |  |
| WT. OF STRING                         | 18                | 1000 dan |         |            |               |         |          |            |         |                    |        |                |                  |                          |            | 8 00            | 11 0          | 450       | CHECK & RESET CROWN SAVER                            |                      |              |      |                                            |                                                                       |                                                     |  |
|                                       | 26                | 1000 dan |         |            |               |         |          |            |         |                    |        |                |                  |                          |            | MACP            |               |           |                                                      | BLOW DOWN BOILERS 4X |              |      |                                            |                                                                       |                                                     |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD   |                   |          |         |            |               |         |          |            |         |                    |        |                |                  | MAX HOOKLOAD 26          |            |                 |               |           |                                                      |                      |              |      |                                            |                                                                       |                                                     |  |

DAY SHIFT

LICENCE NO : WID1934

WELL NAME AND NO. : PARA etal NOGHA P C-49

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : WILSON DRILLING LTD.

SURFACE LOCATION .

UNIQUE I.D. : 300C496640125450

OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE . (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

YUGON HOPE

BOB RODGERS

SAFETY TOPIC

ATTITUDE/HOUSEKEEPIN

LAST CASING TUBING OR LINER

O.D mm

MIN. I.D

kg/m

MAKE

GRADE

# OF JOINTS

TOTAL (m)

KB TO CSG

SET AT (m)

SHALE SHAKER(S)

NO 1

TYPE KING

TYPE

CHANGE SCREENS

X

YES

NO

TOP

80140

TOP

110

MIDDLE

80140

MIDDLE

110

BOTTOM

110

BOTTOM

110

DC DP SIZE

KG / M

GRADE

MIN. I.D

TOOL JOINT D.D

TYPE THREAD

# OF JOINTS

PUMP MANUFACTURER

PUMP TYPE

STROKE LTH

102

20.84

E

84

117

4"FH

208

OILWELL

PT-850

229

4

62.45

H.W.D

70

158

4.5"XH

20

EMSCO

375

356

5

151.70

D.C

73

171

4.5"XH

20

CODE NO.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

TOTAL

OPER

GROUP & TEARDOWN

DRILL ACTUAL

REASONING

CONDNG

COND. BUD & CIRC.

TRIPS

RIG SERVICE

REPAIRS

CUT OFF DRILL LINE

DEV. SURVEY

WIRELINE LOGS

RUN CSQ. & CEMENT

WAIT ON CEMENT

WIPPLE UP B.O.P

TEST B.O.P

DRILL STEPS

PLUG BACK

SQUEEZE CEMENT

FEEDING

DIRECTIONAL WORK

SAFETY MEETING

MORN

DAY

EVE

TOTAL

4 50

3 25

0 25

3 00

8 75

0 25

1 00

2 25

0 25

7 25

11 00

0 75

0 50

0 50

8 00

12 00

4 00

24 00

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

1

BIT BELLS

O.D.mm

0 35

m

BIT NO.

1RR

SIZE (mm)

311 0

1

BIT SUB

230

0 90

m

15

BELL SUB

222

0 62

m

8

D C

165

129.25

m

1

H.W D P

114

78 15

m

1

X.O

152

0 39

m

15

DRILLPIPE STANDS

291 75

m

DRILLPIPE SINGLES

7.59

m

KELLY DOWN

7.59

m

TOTAL

509.00

m

D.C.

18

1000

WT. OF STRING

26

1000

DRAG dan

TORQUE

FILL m

DRILLERS SIGNATURE

MIKE STOLTE

TIME

900

1600

1730

DENSITY

1070

1090

1030

FUNNEL

55

120

63

W.L. cm/

PH

9 0

11 0

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT. ON BIT

509.00

800

815

0.25

7

RIG SERVICE/GREASE DRIVELINES

815

915

1.00

5

COND MUD & CIRC (WORK DRILL STRING)

915

1515

6.00

6

WIPER TRIP TO SURFACE

1515

1715

2.00

5

COND MUD & CIRC (WORK DRILL STRING)

1715

2000

2.75

6

WIPER TRIP TO SHOE

2000

REDUCED PUMP SPEED

@

0

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

DEPTH ( m )

DEVIATION

DIRECTION

HRS. RUN

BOILER PH

STACK deg

12.00

11 0

400

MACP

MAX HOOKLOAD

28

Notes: BLOW BOILERS 3X EACH

DAILY WALK AROUND MS

PUT 4 BRAND NEW 110 SCREENS ON SHAKER



|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                  |  |                                                                                                              |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted/ (if Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH BR<br>YH BR<br>YH BR<br>YH BR |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b>                                                                 |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  |                                                                                                                                                                                                                                                        |  | RIG <b>214</b>                   |  | BOILER                                                                                                       |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE LD. : <b>300C496640125450</b>                                                                                       |  |                                                                                                                                                                                                                                                        |  | BR<br>BR<br>BR<br>BR             |  | <b>TEMPERATURE -30</b><br><b>CONDITIONS CLEAR</b><br><b>WIND DIRECTION CALM</b><br><b>ROAD CONDITION ICE</b> |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                        |  | WEATHER                          |  |                                                                                                              |  |

|      |      |                                                                                                                                                                                                                          |      |       |    |        |    |
|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|----|--------|----|
| DOY. | R.M. | YEAR                                                                                                                                                                                                                     | 2003 | MONTH | 12 | DAY    | 12 |
| YH   | RR   | RIG NO. 3                                                                                                                                                                                                                |      |       |    |        |    |
| YH   | RR   | FUEL @ 08:00 HRS.                                                                                                                                                                                                        |      |       |    |        |    |
| YH   | RR   |                                                                                                                                                                                                                          |      |       |    |        |    |
| YH   | RR   | RIG 214                                                                                                                                                                                                                  |      |       |    | BOILER |    |
| YH   | RR   | <div style="display: flex;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">WEATHER</div> <div> TEMPERATURE -30<br/> CONDITIONS CLEAR<br/> WIND DIRECTION CALM<br/> ROAD CONDITION ICE </div> </div> |      |       |    |        |    |
|      | BR   |                                                                                                                                                                                                                          |      |       |    |        |    |
|      | BR   |                                                                                                                                                                                                                          |      |       |    |        |    |
|      | BR   |                                                                                                                                                                                                                          |      |       |    |        |    |

# BOB RODGERS

## SAFETY TOPIC

**TRIPPING**

| LAST CASING TUBING OR LINER | O.D. mm           |              | MIN. I.D |        | kg/m                |       | MAKE        |           | GRADE              |             | # OF JOINTS   |                  | TOTAL (m)      |                 | KB TO CSG.        |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                 |      | RENTALS / SERVICES |    |    |    |       |  |  |  |  |  | Mon | Day | Eve |  |  |
|-----------------------------|-------------------|--------------|----------|--------|---------------------|-------|-------------|-----------|--------------------|-------------|---------------|------------------|----------------|-----------------|-------------------|------------|------------|----------------|-----------------|------------------|-----------------|------|--------------------|----|----|----|-------|--|--|--|--|--|-----|-----|-----|--|--|
|                             |                   |              |          |        |                     |       |             |           |                    |             |               |                  |                |                 |                   |            |            |                | NO. 1           |                  | TYPE KING       |      | TYPE               |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
|                             |                   |              |          |        |                     |       |             |           |                    |             |               |                  |                |                 |                   |            |            |                | CHANGE SCREENS  |                  | X               |      | ON                 |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
|                             |                   |              |          |        |                     |       |             |           |                    |             |               |                  |                |                 |                   |            |            |                |                 |                  | TOP             |      | TOP                |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
| DC                          | DP                | SIZE         | KG / M   |        | GRADE               |       | MIN. I.D    |           | TOOL JT O.D.       |             | TYPE THREAD   |                  | # OF JOINTS    |                 | PUMP MANUFACTURER |            | PUMP TYPE  |                | STROKE LTH.     |                  | 80140           |      | 110                |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
|                             |                   |              | 20.84    |        | E                   |       | 84          |           | 117                |             | 4"FH          |                  | 208            |                 | OILWELL           |            | PT-850     |                | 229             |                  | MIDDLE          |      | 110                |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
|                             |                   |              | 82.45    |        | H.W.D.              |       | 70          |           | 158                |             | 4.5"XH        |                  | 20             |                 | EMSCO             |            | 375        |                | 356             |                  | MIDDLE          |      | 110                |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
| 165                         |                   |              | 151.70   |        | O.C                 |       | 73          |           | 171                |             | 4.5"XH        |                  | 20             |                 |                   |            |            |                |                 |                  | BOTTOM          |      | 110                |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
| CODE NO.                    | 1                 | 2            | 3        | 4      | 5                   | 6     | 7           | 8         | 9                  | 10          | 11            | 12               | 13             | 14              | 15                | 16         | 17         | 18             | 19              | 20               | 21              | 22   | 23                 | 24 | 25 | 26 | TOTAL |  |  |  |  |  |     |     |     |  |  |
| OPER.                       | RISEUP & TEARDOWN | DRILL ACTUAL | READING  | CORING | CORING, BUD & CIRC. | TRIPS | SID SERVICE | REPAIR/RD | CUT OFF DRLL. LINE | DEV. SURVEY | WIRELINE LOGS | RUN CCL & CEMENT | WAIT ON CEMENT | RIFFLE UP B.O.P | TEST B.O.P        | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FEEDING         | DIRECTIONAL WORK | SAFETY MEETINGS |      |                    |    |    |    |       |  |  |  |  |  |     |     |     |  |  |
| MORN                        |                   | 4.50         |          |        | 3.25                |       | 0.25        |           |                    |             |               |                  |                |                 |                   |            |            |                |                 |                  |                 |      |                    |    |    |    | 8.00  |  |  |  |  |  |     |     |     |  |  |
| DAY                         |                   |              |          |        | 3.00                | 8.75  | 0.25        |           |                    |             |               |                  |                |                 |                   |            |            |                |                 |                  |                 |      |                    |    |    |    | 12.00 |  |  |  |  |  |     |     |     |  |  |
| EVE                         |                   |              |          |        | 1.00                | 2.25  | 0.25        |           |                    |             |               |                  |                |                 |                   |            |            |                |                 |                  |                 | 0.50 |                    |    |    |    | 4.00  |  |  |  |  |  |     |     |     |  |  |
| TOTAL                       |                   | 4.50         |          |        | 7.25                | 11.00 | 0.75        |           |                    |             |               |                  |                |                 |                   |            |            |                |                 |                  |                 | 0.50 |                    |    |    |    | 24.00 |  |  |  |  |  |     |     |     |  |  |

NO DRILLING ASSEMBLY  
(AT END OF TOUR)

## BIT RECORD

## MUD RECORD

## METERS DRILLED

## TIME LOG

[illegible]

[illegible]

DAY SHIFT

LICENCE NO  
WID1934

WELL NAME AND NO.  
PARA etal NOGHA P C-49

OPERATOR :  
PARAMOUNT RESOURCES LTD.

CONTRACTOR  
WILSON DRILLING LTD.

SURFACE LOCATION :

UNIQUE LD :  
300C496640125450

OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

YUGON HOPE

BOB ROGERS

SAFETY TOPIC

CONNECTIONS

(1) Daily Walk Around Inspection  
(2) Detailed Inspection-Weekly (Using Check List )  
(3) H2S Signs Posted( If Required)  
(4) Well License & Stick Diagram Posted  
(5) Flare Lines Staked  
(6) BOP Drills Performed  
(7) Visually Inspect BOPs - Flarelines & Degasser Lines  
(1) Rig Site Health and Safety Meeting (one/crew/month)  
(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)  
(3) Mast Inspection Before Raising or Lowering  
(4) Crown Saver Checked  
(5) Motor Kils Checked

YH  
YH  
YH  
YH  
YH

RR  
RR  
RR  
RR  
RR

RIG NO.  
3

FUEL @ 08:00 HRS.

RIG  
BOILER

WEATHER  
TEMPERATURE  
CONDITIONS  
WIND DIRECTION  
ROAD CONDITION

|                             |        |         |         |             |             |             |                   |            |             |                            |                    |     |     |     |
|-----------------------------|--------|---------|---------|-------------|-------------|-------------|-------------------|------------|-------------|----------------------------|--------------------|-----|-----|-----|
| LAST CASING TUBING OR LINER | O.D mm | MIN. LD | kg/m    | MAKE        | GRADE       | # OF JOINTS | TOTAL (m)         | KB TO CSG. | SET AT (m)  | SHALE SHAKER(S)            | RENTALS / SERVICES | Mom | Day | Eve |
|                             |        |         |         |             |             |             |                   |            |             | NO. 1<br>TYPE KING<br>TYPE |                    |     |     |     |
|                             |        |         |         |             |             |             |                   |            |             | CHANGES SCREENS            | X                  | 1   | 2   | 3   |
| DC . DP SIZE                | KG / M | GRADE   | MIN. LD | TOOL JT O.D | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH. | TOP 80140                  | TOP 175            |     |     |     |
|                             | 20.84  | E       | 84      | 117         | 4"FH        | 206         | OILWELL           | PT-850     | 229         | MIDDLE 80140               | MIDDLE 175         |     |     |     |
|                             | 62.45  | H.W.D.  | 70      | 158         | 4.5"XH      | 20          | EMSCO             | 375        | 356         | BOTTOM 175                 | BOTTOM 175         |     |     |     |
| 165                         | 151.70 | D.C     | 73      | 171         | 4.5"XH      | 20          |                   |            |             |                            |                    |     |     |     |

|          |                   |              |         |        |                  |       |             |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                |       |    |    |    |       |       |
|----------|-------------------|--------------|---------|--------|------------------|-------|-------------|-----------|--------------------|------------|---------------|-------------------|----------------|-----------------|------------|------------|-----------|----------------|---------|------------------|----------------|-------|----|----|----|-------|-------|
| CODE NO. | 1                 | 2            | 3       | 4      | 5                | 6     | 7           | 8         | 9                  | 10         | 11            | 12                | 13             | 14              | 15         | 16         | 17        | 18             | 19      | 20               | 21             | 22    | 23 | 24 | 25 | 26    | TOTAL |
| OPER     | RISEUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | COND. BUD & CRIC | TRIPS | RIG SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN COG. & CEMENT | WAIT ON CEMENT | RIPPLE UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FEEDING | DIRECTIONAL WORK | SAFETY MEETING | OTHER |    |    |    |       |       |
| BORN     |                   | 0 50         |         |        | 1 25             | 3 00  | 0 25        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                | 3 00  |    |    |    | 8 00  |       |
| DAY      |                   |              |         |        |                  |       | 0.25        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                | 11 75 |    |    |    | 12 00 |       |
| EVE      |                   | 3 75         |         |        |                  |       | 0 25        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                |       |    |    |    | 4 00  |       |
| TOTAL    |                   | 4 25         |         |        | 1.25             | 3 00  | 0 75        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                | 14 75 |    |    |    | 24 00 |       |

|     |                                    |        |        |   |               |         |  |  |                    |      |           |                          |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
|-----|------------------------------------|--------|--------|---|---------------|---------|--|--|--------------------|------|-----------|--------------------------|--------------------|--------|-----------------|---------------|-----------|----------|-----------|--------------|-------------|-------------------------------------|--|--|
| NO. | DRILLING ASSEMBLY (AT END OF TOUR) |        |        |   | BIT RECORD    |         |  |  | MUD RECORD         |      |           |                          | METERS DRILLED     |        |                 |               | TIME LOG  |          |           |              | TIME DETAIL |                                     |  |  |
| 1   | BIT/ BELLS                         | O.D mm | 0.35   | m | BIT NO.       | 1RR     |  |  | WATER BASED        | X    | OIL BASED |                          | FROM               | TO     | DRILL/ REAM/CR. | ROTARY R.P.M. | WT ON BIT | FROM     | TO        | ELAPSED TIME | CODE        |                                     |  |  |
| 1   | BIT SUB                            | 230    | 0 90   | m | SIZE (mm)     | 311 0   |  |  | TIME               | 800  | 1200      | 1600                     | 288 00             | 453.00 | D               | 60            | 4         | 800      | 815       | 0.25         | 7           | RIG SERVICE/ SERVICE SWIVEL         |  |  |
| 1   | BELL SUB                           | 222    | 0 62   | m |               |         |  |  | DENSITY kg/m3      | 1010 | 1030      | 1040                     |                    |        |                 |               |           | 815      | 2000      | 11.75        | 22          | DRILL OUT CEMENT FRM 288 M TO 453 M |  |  |
| 15  | D.C.                               | 171    | 129.25 | m | IADC CODE     |         |  |  | FUNNEL VIS s/l     | 29   | 33        | 33                       |                    |        |                 |               |           | 2000     |           |              |             |                                     |  |  |
| 8   | H.W D.P                            | 114    | 78 15  | m | MFQ.          | VAREL   |  |  | W.L cm/ FLCK       |      |           |                          |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
| 1   | X.O                                | 152    | 0 39   | m | Type          | ETD44   |  |  | PH                 | 10.0 | 10 0      | 10 0                     |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
|     |                                    |        |        | m | SERIAL NO.    | 176923  |  |  |                    |      |           |                          |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
|     |                                    |        |        | m | JETS (mm)     | O P E N |  |  | MUD MATERIALS USED |      |           |                          | REDUCED PUMP SPEED |        |                 |               |           |          |           |              |             |                                     |  |  |
|     |                                    |        |        | m | DEPTH IN (m)  | 285 00  |  |  | TYPE               | QTY  | UNITS     | SOLIDS CONTROL EQUIPMENT |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
|     |                                    |        |        | m | DEPTH OUT (m) |         |  |  |                    |      |           |                          | DESILTER           |        |                 |               |           |          |           |              |             |                                     |  |  |
|     |                                    |        |        | m | TOTAL METER   | 168 00  |  |  |                    |      |           |                          | CENTRIFUGE         |        |                 |               |           |          |           |              |             |                                     |  |  |
|     |                                    |        |        | m | TOTAL HOURS   | 12 25   |  |  |                    |      |           |                          | HOURS              |        |                 |               | INTAKE    | OVERFLOW | UNDERFLOW |              |             |                                     |  |  |
| 12  | DRILLPIPE STANDS                   | 233 52 | m      |   |               |         |  |  |                    |      |           |                          |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
|     | DRILLPIPE SINGLES                  |        | m      |   |               |         |  |  |                    |      |           |                          |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
|     | KELLY DOWN                         | 12.85  | m      |   |               |         |  |  |                    |      |           |                          |                    |        |                 |               |           |          |           |              |             |                                     |  |  |
|     | TOTAL                              | 456.03 | m      |   |               |         |  |  |                    |      |           |                          |                    |        |                 |               |           |          |           |              |             |                                     |  |  |

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| LICENCE NO WID1934                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |                 |                  |              |                     | WELL NAME AND NO : PARA etal NOGHA P C-49                                                                                   |                   |                          |                    |               |               | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted (if Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines<br><br>(1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/mg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kils Checked |                   |                 |                  |                                                                                                         |           |                |         | <table border="1"><tr><td>YH</td><td>BR</td></tr><tr><td>YH</td><td>BR</td></tr><tr><td>YH</td><td>BR</td></tr><tr><td>YH</td><td>BR</td></tr><tr><td>YH</td><td>BR</td></tr><tr><td>YH</td><td>BR</td></tr><tr><td>YH</td><td>BR</td></tr></table> RIG NO 3 |                |                 |         | YH         | BR  | YH                                                                                                                                                                                                                                                                                                                                                        | BR                  | YH     | BR | YH                 | BR     | YH              | BR    | YH    | BR               | YH           | BR      |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                 |                  |              |                     | CONTRACTOR WILSON DRILLING LTD.                                                                                             |                   |                          |                    |               |               | FUEL @ 08:00 HRS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| SURFACE LOCATION :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     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| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |                 |                  |              |                     | CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                   |                          |                    |               |               | <table border="1"><tr><td>BR</td><td>WEATHER</td><td>TEMPERATURE -25</td></tr><tr><td>BR</td><td>CONDITIONS</td><td></td></tr><tr><td>BR</td><td>WIND DIRECTION CALM</td><td></td></tr><tr><td>BR</td><td>ROAD CONDITION ICE</td><td></td></tr></table>                                                                                                                                                                                                                                                                      |                   |                 |                  |                                                                                                         |           |                |         | BR                                                                                                                                                                                                                                                           | WEATHER        | TEMPERATURE -25 | BR      | CONDITIONS |     | BR                                                                                                                                                                                                                                                                                                                                                        | WIND DIRECTION CALM |        | BR | ROAD CONDITION ICE |        |                 |       |       |                  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| YUGON HOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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                                        |                   |                 |                  | CEMENTING                                                                                               |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       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| <table border="1"><tr><td>LAST CASING TUBING OR LINER</td><td>O.D mm</td><td>MIN. LD</td><td>kg/m</td><td>MAKE</td><td>GRADE</td><td># OF JOINTS</td><td>TOTAL (m)</td><td>KB TO CSG.</td><td>SET AT (m)</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                 |                  |              |                     | LAST CASING TUBING OR LINER                                                                                                 | O.D mm            | MIN. LD                  | kg/m               | MAKE          | GRADE         | # OF JOINTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TOTAL (m)         | KB TO CSG.      | SET AT (m)       |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     | <table border="1"><tr><td colspan="3">SHALE SHAKER(S)</td></tr><tr><td>NO 1</td><td>TYPE KING</td><td>TYPE</td></tr><tr><td colspan="3">CHANGES SCREENS</td></tr><tr><td>TOP 80140</td><td colspan="2">TOP 140</td></tr><tr><td>MIDDLE 80140</td><td colspan="2">MIDDLE 140</td></tr><tr><td>BOTTOM 80</td><td colspan="2">BOTTOM 80140</td></tr></table> |                     |        |    |                    |        | SHALE SHAKER(S) |       |       | NO 1             | TYPE KING    | TYPE    | CHANGES SCREENS |                                  |       | TOP 80140   | TOP 140   |                    | MIDDLE 80140 | MIDDLE 140    |                   | BOTTOM 80      | BOTTOM 80140    |            | RENTALS / SERVICES |           |                |         |                  |                | Morn                                                 |  | Day |  | Eve    |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | O.D mm              | MIN. LD         | kg/m             | MAKE         | GRADE               | # OF JOINTS                                                                                                                 | TOTAL (m)         | KB TO CSG.               | SET AT (m)         |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
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| SHALE SHAKER(S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| CHANGES SCREENS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| TOP 80140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| MIDDLE 80140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| BOTTOM 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| <table border="1"><tr><td>DC. DP SIZE</td><td>KG / M</td><td>GRADE</td><td>MIN. ID</td><td>TOOL JT O.D.</td><td>TYPE THREAD</td><td># OF JOINTS</td><td>PUMP MANUFACTURER</td><td>PUMP TYPE</td><td>STROKE LTH.</td></tr><tr><td>102</td><td>20.84</td><td>E</td><td>84</td><td>117</td><td>4"FH</td><td>206</td><td>OILWELL</td><td>PT-850</td><td>229</td></tr><tr><td>1</td><td>62.45</td><td>H.W.D.</td><td>70</td><td>158</td><td>4.5"XH</td><td>20</td><td>EMSCO</td><td>375</td><td>356</td></tr><tr><td>2</td><td>151.70</td><td>D.C</td><td>73</td><td>171</td><td>4.5"XH</td><td>20</td><td></td><td></td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                 |                  |              |                     | DC. DP SIZE                                                                                                                 | KG / M            | GRADE                    | MIN. ID            | TOOL JT O.D.  | TYPE THREAD   | # OF JOINTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PUMP MANUFACTURER | PUMP TYPE       | STROKE LTH.      | 102                                                                                                     | 20.84     | E              | 84      | 117                                                                                                                                                                                                                                                          | 4"FH           | 206             | OILWELL | PT-850     | 229 | 1                                                                                                                                                                                                                                                                                                                                                         | 62.45               | H.W.D. | 70 | 158                | 4.5"XH | 20              | EMSCO | 375   | 356              | 2            | 151.70  | D.C             | 73                               | 171   | 4.5"XH      | 20        |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
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ID          | TOOL JT O.D. | TYPE THREAD         | # OF JOINTS                                                                                                                 | PUMP MANUFACTURER | PUMP TYPE                | STROKE LTH.        |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
| 102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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                                        |                   |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       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                                                                                                                                                                                                                | 62.45               | H.W.D.          | 70               | 158          | 4.5"XH              | 20                                                                                                                          | EMSCO             | 375                      | 356                |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       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| <table border="1"><tr><td>CODE NO.</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>TOTAL</td></tr><tr><td>OPER.</td><td>GROUP &amp; TEARDOWN</td><td>DRILL ACTUAL</td><td>REARNDG</td><td>CORNDG</td><td>COND. MUD &amp; CONC.</td><td>TRIPS</td><td>RIG SERVICE</td><td>REPAIRRDG</td><td>CUT OFF DRILL LINE</td><td>DEV SURVEY</td><td>WIRELNE LOGS</td><td>RUN COG. &amp; CEMENT</td><td>WAIT ON CEMENT</td><td>RIFFLE UP B.O.P</td><td>TEST B.O.P</td><td>DRILL STEPS</td><td>PLUG BACK</td><td>SQUEEZE CEMENT</td><td>FISHING</td><td>DIRECTIONAL WORK</td><td>SAFETY MEETING</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>MORN</td><td></td><td></td><td></td><td></td><td>1.75</td><td>1.25</td><td>0.25</td><td></td><td></td><td></td><td></td><td>2.25</td><td>2.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td>8.00</td></tr><tr><td>DAY</td><td></td><td></td><td></td><td></td><td></td><td>1.00</td><td>0.25</td><td></td><td></td><td></td><td></td><td>4.50</td><td>6.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>12.00</td></tr><tr><td>EVE</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td>3.75</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4.00</td></tr><tr><td>TOTAL</td><td></td><td></td><td></td><td></td><td>1.75</td><td>2.25</td><td>0.75</td><td></td><td></td><td></td><td></td><td>6.75</td><td>12.25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.25</td><td></td><td></td><td></td><td></td><td></td><td>24.00</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                 |                  |              |                     | CODE NO.                                                                                                                    | 1                 | 2                        | 3                  | 4             | 5             | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 7                 | 8               | 9                | 10                                                                                                      | 11        | 12             | 13      | 14                                                                                                                                                                                                                                                           | 15             | 16              | 17      | 18         | 19  | 20                                                                                                                                                                                                                                                                                                                                                        | 21                  | 22     | 23 | 24                 | 25     | 26              | TOTAL | OPER. | GROUP & TEARDOWN | DRILL ACTUAL | REARNDG | CORNDG          | COND. MUD & CONC.                | TRIPS | RIG SERVICE | REPAIRRDG | CUT OFF DRILL LINE | DEV SURVEY   | WIRELNE LOGS  | RUN COG. & CEMENT | WAIT ON CEMENT | RIFFLE UP B.O.P | TEST B.O.P | DRILL STEPS        | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |                                                      |  |     |  |        |         | MORN          |  |  |  |  | 1.75 | 1.25 | 0.25 |     |      |    |                  | 2.25 | 2.25 |  |      |          |                |  |  |  | 0.25 |  |  |     |     |      | 8.00 | DAY                            |  |  |  |            |       | 1.00 | 0.25 |  |  |  |  | 4.50 | 6.25 |     |      |    |                                       |  |  |  |           |         |                    |  |  |  | 12.00 | EVE |  |     |  |  |  |                   | 0.25 |  |  |              |        |                    | 3.75 |  |  |  |  |  |     |     |      |    |                   |  |  |  | 4.00          | TOTAL  |      |     |       |                          | 1.75 | 2.25 | 0.75 |     |     |      |   | 6.75     | 12.25 |  |  |             |        |          |   |    | 0.25     |  |  |  |     |     | 24.00 |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
| CODE NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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                                        | 13                | 14              | 15               | 16                                                                                                      | 17        | 18             | 19      | 20                                                                                                                                                                                                                                                           | 21             | 22              | 23      | 24         | 25  | 26                                                                                                                                                                                                                                                                                                                                                        | TOTAL               |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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| OPER.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GROUP & TEARDOWN    | DRILL ACTUAL    | REARNDG          | CORNDG       | COND. MUD & CONC.   | TRIPS                                                                                                                       | RIG SERVICE       | REPAIRRDG                | CUT OFF DRILL LINE | DEV SURVEY    | WIRELNE LOGS  | RUN COG. & CEMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | WAIT ON CEMENT    | RIFFLE UP B.O.P | TEST B.O.P       | DRILL STEPS                                                                                             | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK                                                                                                                                                                                                                                             | SAFETY MEETING |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
| MORN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                     |                 |                  |              | 1.75                | 1.25                                                                                                                        | 0.25              |                          |                    |               |               | 2.25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2.25              |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              | 0.25           |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           | 8.00                |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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| DAY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                 |                  |              |                     | 1.00                                                                                                                        | 0.25              |                          |                    |               |               | 4.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.25              |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           | 12.00               |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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| EVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                     |                 |                  |              |                     |                                                                                                                             | 0.25              |                          |                    |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3.75              |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           | 4.00                |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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| TOTAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                     |                 |                  |              | 1.75                | 2.25                                                                                                                        | 0.75              |                          |                    |               |               | 6.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 12.25             |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              | 0.25           |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           | 24.00               |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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| NO. DRILLING ASSEMBLY (AT END OF TOUR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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                                  |                   |                 |                  |                                                                                                         |           | METERS DRILLED |         |                                                                                                                                                                                                                                                              |                |                 |         | TIME LOG   |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    | TIME DETAIL        |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
| <table border="1"><tr><td>BIT MILLS</td><td>O.D. mm</td><td>m</td><td>BIT NO.</td><td>2B</td><td>WATER BASED X</td><td>OIL BASED</td><td>FROM</td><td>TO</td><td>DRILL/ REAM/C.R.</td><td>ROTARY R.P.M.</td><td>WT ON BIT</td><td>FROM</td><td>TO</td><td>ELAPSED TIME</td><td>CODE</td><td></td></tr><tr><td></td><td></td><td></td><td>SIZE (mm)</td><td>311 0</td><td>TIME</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0</td><td>15</td><td>0.25</td><td>6</td><td>P.O.O.H. TO 382M &amp; PICK UP KELLY</td></tr><tr><td></td><td></td><td></td><td>IADC CODE</td><td></td><td>DENSITY kg/m3</td><td></td><td></td><td></td><td></td><td></td><td></td><td>15</td><td>200</td><td>1.75</td><td>5</td><td>BREAK CIRC. &amp; CIRC. TOP OF PLUG CLEAN ( NO RETURNS )</td></tr><tr><td></td><td></td><td></td><td>N.F.G.</td><td>WESTERN</td><td>FUNNEL VIS ml</td><td></td><td></td><td></td><td></td><td></td><td></td><td>200</td><td>215</td><td>0.25</td><td>12</td><td>RIG IN CEMENTERS</td></tr><tr><td></td><td></td><td></td><td>Type</td><td>537MX-30</td><td>W.L. cm/ FLICK</td><td></td><td></td><td></td><td></td><td></td><td></td><td>215</td><td>230</td><td>0.25</td><td>21</td><td>SAFETY MTG. PRIOR TO CEMENTING</td></tr><tr><td></td><td></td><td></td><td>SERIAL NO.</td><td>V19DC</td><td>PH</td><td></td><td></td><td></td><td></td><td></td><td></td><td>230</td><td>415</td><td>1.75</td><td>12</td><td>RUN STAGE #2 OF LOST CIRCULATION PLUG</td></tr><tr><td></td><td></td><td></td><td>JETS (mm)</td><td>O P E N</td><td colspan="3">REDUCED PUMP SPEED</td><td></td><td></td><td></td><td></td><td>415</td><td></td><td></td><td></td><td>PLUG DOWN @ 04:15</td></tr><tr><td></td><td></td><td></td><td>DEPTH IN (m)</td><td>166.00</td><td colspan="3">MUD MATERIALS USED</td><td></td><td></td><td></td><td></td><td>415</td><td>430</td><td>0.25</td><td>12</td><td>RIG OUT CEMENTERS</td></tr><tr><td></td><td></td><td></td><td>DEPTH OUT (m)</td><td>509.00</td><td>TYPE</td><td>QTY</td><td>UNITS</td><td colspan="3">SOLIDS CONTROL EQUIPMENT</td><td></td><td>430</td><td>530</td><td>1.00</td><td>6</td><td>P.O.O.H.</td></tr><tr><td></td><td></td><td></td><td>TOTAL METER</td><td>343.00</td><td>SODA ASH</td><td>2</td><td>SX</td><td colspan="3">DESILTER</td><td></td><td>530</td><td>545</td><td>0.25</td><td>7</td><td>RIG SERVICE</td></tr><tr><td></td><td></td><td></td><td>TOTAL HOURS</td><td>69.75</td><td>GEL</td><td>65</td><td>SX</td><td colspan="3">CENTRIFUGE</td><td></td><td>545</td><td>800</td><td>2.25</td><td>13</td><td>WAIT ON CEMENT (WHILE WAITING ON CEMENT FINISH MIXING GEL SLURRY IN PRE-MIX,FINISH CLEANING MUD TANKS )</td></tr><tr><td></td><td></td><td></td><td>DRILLPIPE STANDS</td><td></td><td colspan="3">DEVIATION SURVEY</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>KELLY DOWN</td><td></td><td>DEPTH ( m )</td><td>DEVIATION</td><td>DIRECTION</td><td colspan="3">HOURS</td><td>INTAKE</td><td>OVERFLOW</td><td>UNDERFLOW</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>TOTAL</td><td>505.35</td><td colspan="3">BOILER PH STACK deg</td><td></td><td></td><td></td><td></td><td></td></tr></table> |                     |                 |                  |              |                     | BIT MILLS                                                                                                                   | O.D. mm           | m                        | BIT NO.            | 2B            | WATER BASED X | OIL BASED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FROM              | TO              | DRILL/ REAM/C.R. | ROTARY R.P.M.                                                                                           | WT ON BIT | FROM           | TO      | ELAPSED TIME                                                                                                                                                                                                                                                 | CODE           |                 |         |            |     | SIZE (mm)                                                                                                                                                                                                                                                                                                                                                 | 311 0               | TIME   |    |                    |        |                 |       |       | 0                | 15           | 0.25    | 6               | P.O.O.H. TO 382M & PICK UP KELLY |       |             |           | IADC CODE          |              | DENSITY kg/m3 |                   |                |                 |            |                    |           | 15             | 200     | 1.75             | 5              | BREAK CIRC. & CIRC. TOP OF PLUG CLEAN ( NO RETURNS ) |  |     |  | N.F.G. | WESTERN | FUNNEL VIS ml |  |  |  |  |      |      | 200  | 215 | 0.25 | 12 | RIG IN CEMENTERS |      |      |  | Type | 537MX-30 | W.L. cm/ FLICK |  |  |  |      |  |  | 215 | 230 | 0.25 | 21   | SAFETY MTG. PRIOR TO CEMENTING |  |  |  | SERIAL NO. | V19DC | PH   |      |  |  |  |  |      | 230  | 415 | 1.75 | 12 | RUN STAGE #2 OF LOST CIRCULATION PLUG |  |  |  | JETS (mm) | O P E N | REDUCED PUMP SPEED |  |  |  |       |     |  | 415 |  |  |  | PLUG DOWN @ 04:15 |      |  |  | DEPTH IN (m) | 166.00 | MUD MATERIALS USED |      |  |  |  |  |  | 415 | 430 | 0.25 | 12 | RIG OUT CEMENTERS |  |  |  | DEPTH OUT (m) | 509.00 | TYPE | QTY | UNITS | SOLIDS CONTROL EQUIPMENT |      |      |      | 430 | 530 | 1.00 | 6 | P.O.O.H. |       |  |  | TOTAL METER | 343.00 | SODA ASH | 2 | SX | DESILTER |  |  |  | 530 | 545 | 0.25  | 7 | RIG SERVICE |  |  |  | TOTAL HOURS | 69.75 | GEL | 65 | SX | CENTRIFUGE |  |  |  | 545 | 800 | 2.25 | 13 | WAIT ON CEMENT (WHILE WAITING ON CEMENT FINISH MIXING GEL SLURRY IN PRE-MIX,FINISH CLEANING MUD TANKS ) |  |  |  | DRILLPIPE STANDS |  | DEVIATION SURVEY |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | KELLY DOWN |  | DEPTH ( m ) | DEVIATION | DIRECTION | HOURS |  |  | INTAKE | OVERFLOW | UNDERFLOW |  |  |  |  |  |  |  | TOTAL | 505.35 | BOILER PH STACK deg |  |  |  |  |  |  |  |
| BIT MILLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | O.D. mm             | m               | BIT NO.          | 2B           | WATER BASED X       | OIL BASED                                                                                                                   | FROM              | TO                       | DRILL/ REAM/C.R.   | ROTARY R.P.M. | WT ON BIT     | FROM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | TO                | ELAPSED TIME    | CODE             |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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TO 382M & PICK UP KELLY                                                                        |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | IADC CODE        |              | DENSITY kg/m3       |                                                                                                                             |                   |                          |                    |               |               | 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 200               | 1.75            | 5                | BREAK CIRC. & CIRC. TOP OF PLUG CLEAN ( NO RETURNS )                                                    |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
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                                                                                                                                                                                                                |                     |                 | N.F.G.           | WESTERN      | FUNNEL VIS ml       |                                                                                                                             |                   |                          |                    |               |               | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 215               | 0.25            | 12               | RIG IN CEMENTERS                                                                                        |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | Type             | 537MX-30     | W.L. cm/ FLICK      |                                                                                                                             |                   |                          |                    |               |               | 215                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 230               | 0.25            | 21               | SAFETY MTG. PRIOR TO CEMENTING                                                                          |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      |    |                   |  |  |  |               |        |      |     |       |                          |      |      |      |     |     |      |   |          |       |  |  |             |        |          |   |    |          |  |  |  |     |     |       |   |             |  |  |  |             |       |     |    |    |            |  |  |  |     |     |      |    |                                                                                                         |  |  |  |                  |  |                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |            |  |             |           |           |       |  |  |        |          |           |  |  |  |  |  |  |  |       |        |                     |  |  |  |  |  |  |  |
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                                                                                                                                                                                                                |                     |                 | SERIAL NO.       | V19DC        | PH                  |                                                                                                                             |                   |                          |                    |               |               | 230                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 415               | 1.75            | 12               | RUN STAGE #2 OF LOST CIRCULATION PLUG                                                                   |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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                                                                                                                                                                                                                |                     |                 | JETS (mm)        | O P E N      | REDUCED PUMP SPEED  |                                                                                                                             |                   |                          |                    |               |               | 415                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   |                 |                  | PLUG DOWN @ 04:15                                                                                       |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       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                                                                                                                                                                                                                |                     |                 | DEPTH IN (m)     | 166.00       | MUD MATERIALS USED  |                                                                                                                             |                   |                          |                    |               |               | 415                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 430               | 0.25            | 12               | RIG OUT CEMENTERS                                                                                       |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | DEPTH OUT (m)    | 509.00       | TYPE                | QTY                                                                                                                         | UNITS             | SOLIDS CONTROL EQUIPMENT |                    |               |               | 430                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 530               | 1.00            | 6                | P.O.O.H.                                                                                                |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | TOTAL METER      | 343.00       | SODA ASH            | 2                                                                                                                           | SX                | DESILTER                 |                    |               |               | 530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 545               | 0.25            | 7                | RIG SERVICE                                                                                             |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | TOTAL HOURS      | 69.75        | GEL                 | 65                                                                                                                          | SX                | CENTRIFUGE               |                    |               |               | 545                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 800               | 2.25            | 13               | WAIT ON CEMENT (WHILE WAITING ON CEMENT FINISH MIXING GEL SLURRY IN PRE-MIX,FINISH CLEANING MUD TANKS ) |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       |       |                  |              |         |                 |                                  |       |             |           |                    |              |               |                   |                |                 |            |                    |           |                |         |                  |                |                                                      |  |     |  |        |         |               |  |  |  |  |      |      |      |     |      |    |                  |      |      |  |      |          |                |  |  |  |      |  |  |     |     |      |      |                                |  |  |  |            |       |      |      |  |  |  |  |      |      |     |      |    |                                       |  |  |  |           |         |                    |  |  |  |       |     |  |     |  |  |  |                   |      |  |  |              |        |                    |      |  |  |  |  |  |     |     |      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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | DRILLPIPE STANDS |              | DEVIATION SURVEY    |                                                                                                                             |                   |                          |                    |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | KELLY DOWN       |              | DEPTH ( m )         | DEVIATION                                                                                                                   | DIRECTION         | HOURS                    |                    |               | INTAKE        | OVERFLOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | UNDERFLOW         |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     |                 | TOTAL            | 505.35       | BOILER PH STACK deg |                                                                                                                             |                   |                          |                    |               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   |                 |                  |                                                                                                         |           |                |         |                                                                                                                                                                                                                                                              |                |                 |         |            |     |                                                                                                                                                                                                                                                                                                                                                           |                     |        |    |                    |        |                 |       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DAY SHIFT

LICENCE NO. WID1934

WELL NAME AND NO. PARA etal NOGHA P C-49

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : WILSON DRILLING LTD.

SURFACE LOCATION :

UNIQUE I.D. : 300C496640125450

OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

YUGON HOPE

BOB ROGERS

SAFETY TOPIC

TEAMWORK

LAST CASING TUBING OR LINER

O.D. mm

MIN. LD

kg/m

MAKE

GRADE

# OF JOINTS

TOTAL (m)

KB TO CSG

SET AT (m)

SHALE SHAKER(S)

RENTALS / SERVICES

Mom

Day

Eve

NO. 1

TYPE KING

TYPE

CHANGES SCREENS

YES

NO

TOP 80140

TOP 140

MIDDLE 80140

MIDDLE 140

BOTTOM 80

BOTTOM 80140

DC DP SIZE

KG / M

GRADE

MIN. ID

TOOL JT. O.D.

TYPE THREAD

# OF JOINTS

PUMP MANUFACTURER

PUMP TYPE

STROKE LTH.

165

20.84

E

84

117

4"FH

208

OILWELL

PT-850

229

62.45

H.W.D.

70

158

4.5"XH

20

EMSCO

375

356

151.70

D.C

73

171

4.5"XH

20

CODE NO.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

TOTAL

OPER.

GROUP & TEARDOWNS

DRILL ACTUAL

READING

CORING

COND. BUD & CIRC.

TRIPS

RIG SERVICE

REPAIRS

CUT OFF DRILL LINE

DEV. SURVEY

WIRELINE LOGS

RUN CSO. & CEMENT

WAIT ON CEMENT

HIPPLE UP B.O.P

TEST B.O.P

DRILL STEM

FLUID BACK

SQUEEZE CEMENT

FISHING

DIRECTIONAL WORK

SAFETY MEETING

8 00

12 00

4 00

24 00

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT NO.

SIZE (mm)

IADC CODE

MFG.

Type

SERIAL NO.

JETS (mm)

DEPTH IN (m)

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

DRILLPIPE STANDS

53

DRILLPIPE SINGLES

515 08 m

DRAG dan

TORQUE

FILL m

DRILLERS SIGNATURE MIKE STOLTE

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/1

W L cm/ FLCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

CELOPHANE

3

SX

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

BOILER HRS. RUN

PH

STACK deg

12.00

11 0

400

MACP

MAX HOOKLOAD

12

FROM

TO

DRILL/ REAM/CR.

ROTARY R.P.M.

WT ON BIT

FROM

TO

ELAPSED TIME

CODE

800

815

0.25

7

RIG SERVICE

815

1130

3.25

13

WAIT ON CEMENT (WHILE WOC PREMIX SLURRY,FINISH CLEARING SNOW OFF LEA

1130

1230

1.00

6

ORGANIZE LEASE CHANGE OIL IN PUMP AND FLOOR MOTORS)

1230

1700

4.50

12

RIG OPEN ENDED TO FEEL PLUG # 2 (PLUG FELT @ 377M )

1700

set stage # 2 cement from 402 m to 288 m (calculated) with 11.6 tonn

class g + 2 % cac12 + 4 sx celloflake ( 8.74 m3 slurry @ 1900 kg/m3)

plug down february 10 2003 @ 04:15 .

set stage # 3 from 377 m to 223 m (calculated) with 20 tonnes class

+ 2 % cac12 (11.7 m3 slurry @ 1900 kg/m3) .plug down february 10 ,20

1700

2000

3.00

13

WAIT ON CEMENT

2000

Notes: PREMIX TANK VIS @1100 AM 65

BLEW BOILERS 3X EACH

DAILY WALK AROUND MRS / CHECK BRAKE PINS AND LINKAGES



|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                  |  |                                                                       |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|-----------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                            |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH BR<br>YH BR<br>YH BR<br>YH BR |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>135</b> BOILER |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                        |  | BR                               |  | WEATHER                                                               |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  | BR                               |  | TEMPERATURE <b>-25</b>                                                |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  | BR                               |  | CONDITIONS                                                            |  |
|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  | BR                               |  | WIND DIRECTION <b>CALM</b>                                            |  |
|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  | BR                               |  | ROAD CONDITION <b>ICE</b>                                             |  |

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( If Required )
- (4) Well License & Stick Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Flarelines & Degasser Lines

  

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A.-O.D.C. Rig Safety Inspection Checklist(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

|      |         |                     |         |        |
|------|---------|---------------------|---------|--------|
| UPR. | FL      | YEAR 2003           | MONTH 2 | DAY 10 |
| YH   | BR      | RIG NO.: 3          |         |        |
| YH   | BR      | FUEL @ 08:00 HRS.   |         |        |
| YH   | BR      |                     |         |        |
| YH   | BR      |                     |         |        |
| YH   | BR      |                     |         |        |
| YH   | BR      | RIG 135             | BOILER  |        |
| BR   | WEATHER | TEMPERATURE -25     |         |        |
| BR   |         | CONDITIONS          |         |        |
| BR   |         | WIND DIRECTION CALM |         |        |
| BR   |         | ROAD CONDITION ICE  |         |        |

## ELECTRICAL

| LAST CASING TUBING OR LINER | O.D. mm         |              | MIN. I.D |        | kg/m              |        | MAKE        |               | GRADE               |             | # OF JOINTS   |                   | TOTAL (m)      |                   | KB TO CSG.  |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |    |    |    |    |       |       |  |  |  |  |  | Mon | Day | Eve |  |  |
|-----------------------------|-----------------|--------------|----------|--------|-------------------|--------|-------------|---------------|---------------------|-------------|---------------|-------------------|----------------|-------------------|-------------|------------|------------|----------------|-----------------|------------------|----------------|--------------------|----|----|----|----|-------|-------|--|--|--|--|--|-----|-----|-----|--|--|
|                             |                 |              |          |        |                   |        |             |               |                     |             |               |                   |                |                   |             |            |            |                | NO.             | TYPE             | TYPE           |                    |    |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                 |              |          |        |                   |        |             |               |                     |             |               |                   |                |                   |             |            |            |                | 1               | KING             |                |                    |    |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                 |              |          |        |                   |        |             |               |                     |             |               |                   |                |                   |             |            |            |                | CHANGE SCREENS  |                  |                | YES                | NO |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| DC . DP SIZE                |                 | KG / M       |          | GRADE  |                   | MIN.ID |             | TOOL JT. O.D. |                     | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER |             | PUMP TYPE  |            | STROKE LTH.    |                 | TOP              |                | TOP                |    |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                 | 20.84        |          | E      |                   | 84     |             | 117           |                     | 4"FH        |               | 206               |                | OILWELL           |             | PT-850     |            | 229            |                 | MIDDLE           |                | MIDDLE             |    |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                 | 62.45        |          | H.W.D. |                   | 70     |             | 158           |                     | 4.5"XH      |               | 20                |                | EMSCO             |             | 375        |            | 356            |                 | BOTTOM           |                | BOTTOM             |    |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| 165                         |                 | 151.70       |          | D.C    |                   | 73     |             | 171           |                     | 4.5"XH      |               | 20                |                |                   |             |            |            |                |                 | 80               |                | 80140              |    |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| CODE NO..                   |                 | 1            | 2        | 3      | 4                 | 5      | 6           | 7             | 8                   | 9           | 10            | 11                | 12             | 13                | 14          | 15         | 16         | 17             | 18              | 19               | 20             | 21                 | 22 | 23 | 24 | 25 | 26    | TOTAL |  |  |  |  |  |     |     |     |  |  |
| OPER.                       | REUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING | COND. MUD & CIRC. | TRIPS  | RIG SERVICE | REPAIR RIG    | CUT OFF DRLLG. LINE | DEV. SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | NPPL UP B.O.P     | TEST B.O.P. | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING |                    |    |    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| MORN                        |                 |              |          |        | 1.75              | 1.25   | 0.25        |               |                     |             |               |                   | 2.25           | 2.25              |             |            |            |                |                 |                  | 0.25           |                    |    |    |    |    | 8.00  |       |  |  |  |  |  |     |     |     |  |  |
| DAY                         |                 |              |          |        |                   | 1.00   | 0.25        |               |                     |             |               |                   | 4.50           | 6.25              |             |            |            |                |                 |                  |                |                    |    |    |    |    | 12.00 |       |  |  |  |  |  |     |     |     |  |  |
| EVE                         |                 |              |          |        |                   |        | 0.25        |               |                     |             |               |                   | 3.75           |                   |             |            |            |                |                 |                  |                |                    |    |    |    |    | 4.00  |       |  |  |  |  |  |     |     |     |  |  |
| TOTAL                       |                 |              |          |        | 1.75              | 2.25   | 0.75        |               |                     |             |               |                   | 6.75           | 12.25             |             |            |            |                |                 |                  | 0.25           |                    |    |    |    |    | 24.00 |       |  |  |  |  |  |     |     |     |  |  |

[illegible]



|                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| MORNING SHIFT                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 2                                                                                                   |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | WELL NAME AND NO.: PARA etal NOGHA                                                                                        |  |  |  |  |  |  |  |  |  |
| OPERATOR: PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | CONTRACTOR: WILSON DRILLING LTD.                                                                                          |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION:                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | UNIQUE LD.: 300C496640125450                                                                                              |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  |
| YUGON HOPE                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | BOB ROGERS                                                                                                                |  |  |  |  |  |  |  |  |  |
| SAFETY TOPIC                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | BOILERS                                                                                                                   |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | O.D. mm MIN. LD kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                               |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. ID TOOL JT O.D TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S) NO. 1 TYPE KING TYPE CHANGE SCREENS TOP 80140 TOP 140 MIDDLE 80140 MIDDLE 140 BOTTOM 80 BOTTOM 80140      |  |  |  |  |  |  |  |  |  |
| RENTALS / SERVICES                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | Mon Day Eve                                                                                                               |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING CORD. SUB & CIRC. TRIPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOSS RUN CBL & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| MORN 3.25 1 50 0.25 2.25 2 50 3 50 0.25 3 00 8 00                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DAY 7 00 2.25 2 50 3 50 0.25 3 00 12 00                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| EVE 0 50 3 50 0.25 3 00 4 00                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| TOTAL 3.25 9 00 0 25 2.25 6 00 0 25 3 00 24 00                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| BIT NO. 2B SIZE (mm) 311 0                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | WATER BASED X OIL BASED                                                                                                   |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB 223 0 90 m                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | TIME 200 400 600                                                                                                          |  |  |  |  |  |  |  |  |  |
| 1 SHOCK SUB 223 3 98 m                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | DENSITY 1000 1000 1000                                                                                                    |  |  |  |  |  |  |  |  |  |
| 1 BELL SUB 223 0 62 m                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | FUNNEL 28 28 28                                                                                                           |  |  |  |  |  |  |  |  |  |
| 16 D C 165 137 92 m                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | W.L. cm/ FILCK                                                                                                            |  |  |  |  |  |  |  |  |  |
| 8 H.W D P 114 75 18 m                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | PH                                                                                                                        |  |  |  |  |  |  |  |  |  |
| 1 X O 165 0 39 m                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | PUMP NO. 1 PUMP NO. 2                                                                                                     |  |  |  |  |  |  |  |  |  |
| Type 537MX-30                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED                                                                                                        |  |  |  |  |  |  |  |  |  |
| SERIAL NO. V19DC                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                                                                  |  |  |  |  |  |  |  |  |  |
| JETS (mm) O P E N                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | DESILTER                                                                                                                  |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m) 166 00                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                           |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m) 509 00                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                |  |  |  |  |  |  |  |  |  |
| TOTAL METER 343 00                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                           |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS 69 75                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                           |  |  |  |  |  |  |  |  |  |
| 14 DRILLPIPE STANDS 271 84 m                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                                                                              |  |  |  |  |  |  |  |  |  |
| 1 DRILLPIPE SINGLES 9 74 m                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | 8 00 11 0 450                                                                                                             |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 8.08 m                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | MACP                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL 509.00 m                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD 28                                                                                                           |  |  |  |  |  |  |  |  |  |
| OF D.C. 23 1000                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | BOILER                                                                                                                    |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 28 1000                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | CHECK & RESET CROWN SAVER                                                                                                 |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | BLOW DOWN BOILERS 4X                                                                                                      |  |  |  |  |  |  |  |  |  |



|                             |                                          |
|-----------------------------|------------------------------------------|
| LICENCE NO : <b>WID1934</b> | WELL NAME AND NO. <b>PARA etal NOGHA</b> |
|-----------------------------|------------------------------------------|

**CONTRACTOR:** **WILSON DRILLING LTD.**

UNIQUE I.D. : 300C496640125450

**CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)**

# BOB ROGERS

PICK UP SNGLS RIH

| LAST CASING TUBING OR LINER | O.D mm           |              | MIN I D |       | kg/m              |         | MAKE        |              | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                   | KB TO CSG  |            | SET AT (m)           |                | SHALE SHAKER(S) |                         |                | RENTALS / SERVICES |    |    |    |    |       |  |  |  |  | Mon | Day | Eve |
|-----------------------------|------------------|--------------|---------|-------|-------------------|---------|-------------|--------------|--------------------|-------------|---------------|-------------------|----------------|-------------------|------------|------------|----------------------|----------------|-----------------|-------------------------|----------------|--------------------|----|----|----|----|-------|--|--|--|--|-----|-----|-----|
|                             |                  |              |         |       |                   |         |             |              |                    |             |               |                   |                |                   |            |            | NO. 1 TYPE KING TYPE |                |                 |                         |                |                    |    |    |    |    |       |  |  |  |  |     |     |     |
|                             |                  |              |         |       |                   |         |             |              |                    |             |               |                   |                |                   |            |            | CHANGE SCREENS       |                |                 |                         |                |                    |    |    |    |    |       |  |  |  |  |     |     |     |
|                             |                  |              |         |       |                   |         |             |              |                    |             |               |                   |                |                   |            |            | TOP 80140 TOP 140    |                |                 |                         |                |                    |    |    |    |    |       |  |  |  |  |     |     |     |
| DC . DP SIZE                |                  | KG / M       |         | GRADE |                   | MIN I D |             | TOOL JT O.D. |                    | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER |            | PUMP TYPE  |                      | STROKE LTH     |                 | MIDDLE 80140 MIDDLE 140 |                |                    |    |    |    |    |       |  |  |  |  |     |     |     |
|                             |                  | 20.84        |         | F     |                   | 84      |             | 117          |                    | 4"FH        |               | 206               |                | OILWELL           |            | PT-850     |                      | 229            |                 |                         |                |                    |    |    |    |    |       |  |  |  |  |     |     |     |
|                             |                  | 62.45        |         | H.W.D |                   | 70      |             | 158          |                    | 4.5"XH      |               | 20                |                | EMSCO             |            | 375        |                      | 356            |                 | BOTTOM 80 BOTTOM 80140  |                |                    |    |    |    |    |       |  |  |  |  |     |     |     |
| 165                         |                  | 151.70       |         | D.C   |                   | 73      |             | 171          |                    | 4.5"XH      |               | 20                |                |                   |            |            |                      |                |                 |                         |                |                    |    |    |    |    |       |  |  |  |  |     |     |     |
| CODE NO.                    | 1                | 2            | 3       | 4     | 5                 | 6       | 7           | 8            | 9                  | 10          | 11            | 12                | 13             | 14                | 15         | 16         | 17                   | 18             | 19              | 20                      | 21             | 22                 | 23 | 24 | 25 | 26 | TOTAL |  |  |  |  |     |     |     |
| OPER                        | RISUP & TEARDOWN | DRILL ACTUAL | REARND  | CORND | COND. LUD & CIRC. | TRIPS   | RIG SERVICE | REPAIRND     | CUT OFF DRILL LINE | DEV SURVEY  | WIRELINE LOSS | RUN CBL. & CEMENT | WAIT ON CEMENT | HIPPLE UP B.O.P   | TEST B.O.P | DRILL STEM | PLUG BACK            | SQUEEZE CEMENT | FISHND          | DIRECTIONAL WORK        | SAFETY MEETING | OTHER              |    |    |    |    |       |  |  |  |  |     |     |     |
| MORN                        |                  | 3.25         |         |       |                   | 1 50    | 0 25        |              |                    |             |               |                   |                |                   |            |            |                      |                |                 |                         |                | 3 00               |    |    |    |    | 8 00  |  |  |  |  |     |     |     |
| DAY                         |                  |              |         |       |                   | 7 00    |             |              |                    |             |               | 2.25              | 2.50           |                   |            |            |                      |                |                 |                         | 0 25           |                    |    |    |    |    | 12 00 |  |  |  |  |     |     |     |
| EVE                         |                  |              |         |       |                   | 0 50    |             |              |                    |             |               |                   | 3 50           |                   |            |            |                      |                |                 |                         |                |                    |    |    |    |    | 4 00  |  |  |  |  |     |     |     |
| TOTAL                       |                  | 3.25         |         |       |                   | 9 00    | 0 25        |              |                    |             |               | 2.25              | 6.00           |                   |            |            |                      |                |                 |                         | 0.25           | 3 00               |    |    |    |    | 24 00 |  |  |  |  |     |     |     |

[illegible]

EXTRA DAY SHIFT

LICENCE NO  
WID1934

WELL NAME AND NO.  
PARA etal NOGHA

OPERATOR :  
PARAMOUNT RESOURCES LTD.

CONTRACTOR :  
WILSON DRILLING LTD.

SURFACE LOCATION :

UNIQUE LD. :  
300C496640125450

OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

YUGON HOPE

BOB ROGERS

SAFETY TOPIC

LAST CASING TUBING OR LINER

O.D. mm

MIN. I.D

kg/m

MAKE

GRADE

# OF JOINTS

TOTAL (m)

KB TO CSG.

SET AT (m)

NO.

TYPE

TYPE

CHANGE SCREENS

YES

NO

TOP

TOP

MIDDLE

MIDDLE

BOTTOM

BOTTOM

DC DP SIZE

KG / M

GRADE

MIN. ID

TOOL JT O.D

TYPE THREAD

# OF JOINTS

PUMP MANUFACTURER

PUMP TYPE

STROKE LTH.

RENTALS / SERVICES

Mon

Day

Eve

CODE NO.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

TOTAL

OPER.

GROUP & TEARDOWN

DRILL ACTUAL

REAMING

CORING

CONCL. BUD & CIVIL

TRIPS

RIG SERVICE

REPAIRING

CUT OFF DRILL LINE

DEY SURVEY

WIRELINE LOGS

RUN CSG. & CEMENT

WAIT ON CEMENT

APPLE UP B.D.P.

TEST B.D.P.

DRILL STEM

PLUG BACK

SQUEEZE CEMENT

FISHING

DIRECTIONAL WORK

SAFETY MEETING

BORN

DAY

EVE

TOTAL

NO

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

BIT BELLS

O.D. mm

m

BIT NO.

m

SIZE (mm)

m

IADC

m

CODE

m

MFG.

m

Type

m

SERIAL NO

m

JETS (mm)

m

DEPTH IN (m)

m

DEPTH OUT (m)

m

TOTAL METER

m

TOTAL HOURS

m

DRILLPIPE STANDS

m

DRILLPIPE SINGLES

m

KELLY DOWN

m

TOTAL

m

F.D.C.

1000

WT. OF STRING

1000

FILL m

1000

DRILLERS SIGNATURE

WATER BASED

OIL BASED

TIME

DENSITY kg/m3

FUNNEL VIS s/1

W.L. cm/

FILCK

PH

MUD MATERIALS USED

TYPE

QTY

UNITS

DEVIATION SURVEY

DEPTH ( m )

DEVIATION

DIRECTION

DRAG dan

TORQUE

FILL m

FROM

TO

DRILL/ REAM/CR

ROTARY R.P.M.

WT ON BIT

Circ. Press. (kPa)

PUMP NO. 1

SPM

PUMP NO. 2

SPM

REDUCED PUMP SPEED

@

@

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HOURS

INTAKE

OVERFLOW

UNDERFLOW

HRS. RUN

BOILER PH

STACK deg

MACP

MAX HOOKLOAD

FROM

TO

ELAPSED TIME

CODE

HOLE FILL : CALC 3.43 CU

MEAS 3.45 CU

DIFF .02 + CU

STRAP: TALLY: 509 M DIFF .82 CM

MEAS: 508.18 M

Notes:

|                                                                                                                          |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |
|--------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                             |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                   |  | (2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted( If Required)<br>(4) Well License & Stuck Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A. O D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                  |  |

|     |      |                                                                                      |            |       |
|-----|------|--------------------------------------------------------------------------------------|------------|-------|
| UPR | K.M. | YEAR 2003                                                                            | MONTH 2    | DAY 9 |
| YH  | BR   | RIG NO. 3                                                                            |            |       |
| YH  | BR   | FUEL @ 08:00 HRS.                                                                    |            |       |
| YH  | BR   |                                                                                      |            |       |
| YH  | BR   | RIG 162                                                                              | SCILER 196 |       |
| YH  | BR   | WEATHER<br>TEMPERATURE -17<br>CONDITIONS<br>WIND DIRECTION S E<br>ROAD CONDITION ICE |            |       |
|     |      |                                                                                      |            |       |
|     |      |                                                                                      |            |       |
|     |      |                                                                                      |            |       |

| LAST CASING TUBING OR LINER | O.D mm  |        | MIN. I.D |        | kg/m          |             | MAKE        |                   | GRADE |           | # OF JOINTS |  | TOTAL (m)    |  | KB TO CSG.   |  | SET AT (m)          |  | SHALE SHAKER(S) |        |  | RENTALS / SERVICES |  |  | Mon | Day | Eve |
|-----------------------------|---------|--------|----------|--------|---------------|-------------|-------------|-------------------|-------|-----------|-------------|--|--------------|--|--------------|--|---------------------|--|-----------------|--------|--|--------------------|--|--|-----|-----|-----|
|                             |         |        |          |        |               |             |             |                   |       |           |             |  |              |  |              |  | NO 1 TYPE KING TYPE |  |                 |        |  |                    |  |  |     |     |     |
|                             |         |        |          |        |               |             |             |                   |       |           |             |  |              |  |              |  | CHANGE SCREENS      |  |                 | YES NO |  |                    |  |  |     |     |     |
|                             |         |        |          |        |               |             |             |                   |       |           |             |  |              |  |              |  |                     |  |                 |        |  |                    |  |  |     |     |     |
| DC                          | DP SIZE | KG / M | GRADE    | MIN.ID | TOOL JT. O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER |       | PUMP TYPE | STROKE LTH. |  | TOP 80140    |  | TOP 140      |  |                     |  |                 |        |  |                    |  |  |     |     |     |
| 2                           |         | 20.84  | E        | 84     | 117           | 4"FH        | 206         | OILWELL           |       | PT-850    | 229         |  | MIDDLE 80140 |  | MIDDLE 140   |  |                     |  |                 |        |  |                    |  |  |     |     |     |
| 2                           |         | 62.45  | H.W.D.   | 70     | 158           | 4.5"XH      | 20          | EMSCO             |       | 375       | 356         |  | BOTTOM 80    |  | BOTTOM 80140 |  |                     |  |                 |        |  |                    |  |  |     |     |     |
| 165                         |         | 151.70 | D.C      | 73     | 171           | 4.5"XH      | 20          |                   |       |           |             |  |              |  |              |  |                     |  |                 |        |  |                    |  |  |     |     |     |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7           | 8         | 9                  | 10         | 11            | 12                | 13             | 14              | 15         | 16         | 17        | 18             | 19     | 20               | 21             | 22    | 23 | 24 | 25 | 26 | TOTAL |
|----------|------------------|--------------|---------|--------|-------------------|-------|-------------|-----------|--------------------|------------|---------------|-------------------|----------------|-----------------|------------|------------|-----------|----------------|--------|------------------|----------------|-------|----|----|----|----|-------|
| OPER.    | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | CORR. BUD & CIRC. | TRIPS | RID SERVICE | REPAIRING | CUT OFF DRLO. LINE | DEV SURVEY | WIRELINE LOGS | RUN CSGL & CEMENT | WAIT ON CEMENT | NIPPLE UP B.O.P | TEST S.O.P | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FEHING | DIRECTIONAL WORK | SAFETY BEETING | OTHER |    |    |    |    |       |
| MORN     |                  | 3 25         |         |        |                   | 1 50  | 0 25        |           |                    |            |               |                   |                |                 |            |            |           |                |        |                  |                | 3 00  |    |    |    |    | 8 00  |
| DAY      |                  |              |         |        |                   | 7 00  |             |           |                    |            |               | 2 25              | 2 50           |                 |            |            |           |                |        |                  | 0 25           |       |    |    |    |    | 12 00 |
| EVE      |                  |              |         |        |                   | 0 50  |             |           |                    |            |               |                   | 3 50           |                 |            |            |           |                |        |                  |                |       |    |    |    |    | 4 00  |
| TOTAL    |                  | 3.25         |         |        |                   | 9 00  | 0 25        |           |                    |            |               | 2 25              | 6 00           |                 |            |            |           |                |        |                  | 0 25           | 3 00  |    |    |    |    | 24 00 |

[illegible]

# MORNING SHIFT

|                                                                                                                           |  |                                                                                                                              |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. <b>PARA etal NOGHA</b>                                                                                     |  |
| OPERATOR <b>PARAMOUNT RESOURCES LTD.</b>                                                                                  |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                       |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. <b>300C496640125450</b>                                                                                          |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |

YH

BR

YH

BR

YH

BR

YH

BR

YEAR 2003

MONTH 2

DAY 8

YH

BR

YH

BR

YH

BR

YH

BR

RIG NO. **3**

FUEL @ 08:00 HRS.

RIG

BOILER

TEMPERATURE **-20**

CONDITIONS **CLEAR**

WIND DIRECTION **S.E.**

ROAD CONDITION **ICE**

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List )

(3) H2S Signs Posted( If Required )

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspected BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crow/month)

(2) C.A. O D C. Rig Safety Inspection Checklist(one/ng/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kils Checked

|                   |                   |                     |                 |
|-------------------|-------------------|---------------------|-----------------|
| <b>YUGON HOPE</b> | <b>BOB ROGERS</b> | <b>SAFETY TOPIC</b> | <b>MUD PUMP</b> |
|-------------------|-------------------|---------------------|-----------------|

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. LD |         | kg/m              |             | MAKE        |                   | GRADE              |            | # OF JOINTS   |                   | TOTAL (m)      |                 | KB TO CSG. |                         | SET AT (m)          |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |    |    |    |       |       |  |  |  |  |  |  |  | Mon | Day | Eve |
|-----------------------------|------------------|--------------|---------|---------|-------------------|-------------|-------------|-------------------|--------------------|------------|---------------|-------------------|----------------|-----------------|------------|-------------------------|---------------------|----------------|-----------------|------------------|----------------|--------------------|----|----|----|-------|-------|--|--|--|--|--|--|--|-----|-----|-----|
|                             |                  |              |         |         |                   |             |             |                   |                    |            |               |                   |                |                 |            |                         | NO 1 TYPE KING TYPE |                |                 |                  |                |                    |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
|                             |                  |              |         |         |                   |             |             |                   |                    |            |               |                   |                |                 |            |                         | CHANGE SCREENS      |                |                 |                  |                |                    |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
|                             |                  |              |         |         |                   |             |             |                   |                    |            |               |                   |                |                 |            |                         | TOP 80140 TOP 140   |                |                 |                  |                |                    |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
| DC                          | DP SIZE          | KG / M       | GRADE   | MIN. LD | TOOL JT. O.D.     | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER |                    |            |               | PUMP TYPE         |                | STROKE LTH.     |            | MIDDLE 80140 MIDDLE 140 |                     |                |                 |                  |                |                    |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
|                             |                  | 20.84        | E       | 84      | 117               | 4"FH        | 260         | OILWELL           |                    |            |               | PT-850            |                | 229             |            | BOTTOM 80140 BOTTOM 140 |                     |                |                 |                  |                |                    |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
|                             |                  | 62.45        | H.W.D.  | 70      | 158               | 4.5"XH      | 20          | EMSCO             |                    |            |               | 375               |                | 356             |            |                         |                     |                |                 |                  |                |                    |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
| 165                         |                  | 151.70       | D.C     | 73      | 171               | 4.5"XH      | 20          |                   |                    |            |               |                   |                |                 |            | 80 80140                |                     |                |                 |                  |                |                    |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
| CODE NO.                    | 1                | 2            | 3       | 4       | 5                 | 6           | 7           | 8                 | 9                  | 10         | 11            | 12                | 13             | 14              | 15         | 16                      | 17                  | 18             | 19              | 20               | 21             | 22                 | 23 | 24 | 25 | 26    | TOTAL |  |  |  |  |  |  |  |     |     |     |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REASING | CORING  | COND. MUD & CIRC. | TRIPS       | RIG SERVICE | REPAIRS           | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CSQ. & CEMENT | WAIT ON CEMENT | RIPPLE UP B.O.P | TEST B.O.P | DRILL STEPS             | PLUG BACK           | SQUEEZE CEMENT | FEEDING         | DIRECTIONAL WORK | SAFETY MEETING | OTHER              |    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |
| MORN                        |                  | 3 00         |         |         |                   | 0 50        | 0 25        |                   |                    |            |               |                   |                |                 |            |                         |                     |                |                 |                  |                | 4 25               |    |    |    | 8 00  |       |  |  |  |  |  |  |  |     |     |     |
| DAY                         |                  | 5.25         |         |         |                   |             | 0 25        |                   |                    | 0 25       |               |                   |                |                 |            |                         |                     |                |                 |                  |                | 6.25               |    |    |    | 12 00 |       |  |  |  |  |  |  |  |     |     |     |
| EVE                         |                  | 1 00         |         |         |                   | 0 25        | 0 25        |                   |                    |            |               |                   |                |                 |            |                         |                     |                |                 |                  |                | 2 50               |    |    |    | 4 00  |       |  |  |  |  |  |  |  |     |     |     |
| TOTAL                       |                  | 9 25         |         |         |                   | 0 75        | 0 75        |                   |                    | 0 25       |               |                   |                |                 |            |                         |                     |                |                 |                  |                | 13 00              |    |    |    | 24 00 |       |  |  |  |  |  |  |  |     |     |     |

| NO. DRILLING ASSEMBLY (AT END OF TOUR) |                   |         |        | BIT RECORD    |                  |     |  | MUD RECORD         |           |           |  | METERS DRILLED |  |                   |                          | TIME LOG           |              |           |        | TIME DETAIL |              |                                                      |                                                              |                      |  |  |  |  |  |
|----------------------------------------|-------------------|---------|--------|---------------|------------------|-----|--|--------------------|-----------|-----------|--|----------------|--|-------------------|--------------------------|--------------------|--------------|-----------|--------|-------------|--------------|------------------------------------------------------|--------------------------------------------------------------|----------------------|--|--|--|--|--|
|                                        | BITZ MILLS        | O.D. mm | 0.35   | BIT NO        | 2B               |     |  | WATER BASED        | X         | OIL BASED |  |                |  | FROM              | TO                       | DRILL/REAM/CR.     | ROTARY R.P.M | WT ON BIT | FROM   | TO          | ELAPSED TIME | CODE                                                 |                                                              |                      |  |  |  |  |  |
| 1                                      | BIT SUB           | 223     | 0 90   | SIZE (mm)     | 311 0            |     |  | TIME               |           |           |  |                |  | 445 00            | 457 00                   | D                  | 120          | 10        | 0      | 315         | 3.25         | 22                                                   | BUILD SURFACE VOLUME                                         |                      |  |  |  |  |  |
| 1                                      | SHOCK SUB         | 223     | 3 98   | IADC          |                  |     |  | DENSITY kg/m3      |           |           |  |                |  |                   |                          |                    |              |           | 315    | 330         | 0.25         | 6                                                    | R.I.H.                                                       |                      |  |  |  |  |  |
| 1                                      | BELL SUB          | 223     | 0 62   | CODE          |                  |     |  | FUNNEL VIS ml      |           |           |  |                |  |                   |                          |                    |              |           | 330    | 630         | 3.00         | 2                                                    | DRILL F/ 455M - 457M                                         |                      |  |  |  |  |  |
| 16                                     | D C               | 165     | 137 92 | MFG.          | WESTERN          |     |  | W.L. cm/ FLCK      |           |           |  |                |  |                   |                          |                    |              |           | 630    | 645         | 0.25         | 6                                                    | P.O.O.H. TO 384M ( 3 STANDS,1 SINGLE D.P. )                  |                      |  |  |  |  |  |
| 8                                      | H W D P           | 114     | 75 18  | Type          | 537MX-30         |     |  | PH                 |           |           |  |                |  | Circ. Press (kPa) | PUMP NO. 1               | SPM                | PUMP NO. 2   | SPM       | 645    | 700         | 0.25         | 7                                                    | RIG SERVICE F/T HCR 3 SECS. T/O                              |                      |  |  |  |  |  |
| 1                                      | X.O               | 165     | 0 39   | SERIAL NO.    | V19DC            |     |  |                    |           |           |  |                |  | 2300              | 165 0                    | 100                | 0 0          |           | 700    | 800         | 1.00         | 22                                                   | BUILD SURFACE VOLUME                                         |                      |  |  |  |  |  |
|                                        |                   |         |        | JETS (mm)     | O P E N          |     |  | MUD MATERIALS USED |           |           |  |                |  |                   |                          | REDUCED PUMP SPEED |              |           |        |             |              |                                                      |                                                              |                      |  |  |  |  |  |
|                                        |                   |         |        | DEPTH IN (m)  | 166 00           |     |  | TYPE               | QTY       | UNITS     |  |                |  |                   | SOLIDS CONTROL EQUIPMENT |                    |              |           |        |             |              |                                                      |                                                              |                      |  |  |  |  |  |
|                                        |                   |         |        | DEPTH OUT (m) |                  |     |  |                    |           |           |  |                |  |                   | DESILTER                 |                    |              |           |        |             |              |                                                      |                                                              |                      |  |  |  |  |  |
|                                        |                   |         |        | TOTAL METER   | 291 00           |     |  |                    |           |           |  |                |  |                   | HOURS                    |                    |              |           | INTAKE | OVERFLOW    | UNDERFLOW    |                                                      |                                                              |                      |  |  |  |  |  |
|                                        |                   |         |        | TOTAL HOURS   | 60 00            |     |  |                    |           |           |  |                |  |                   | CENTRIFUGE               |                    |              |           |        |             |              |                                                      |                                                              |                      |  |  |  |  |  |
| 12                                     | DRILLPIPE STANDS  | 232.90  |        |               |                  |     |  |                    |           |           |  |                |  |                   | HOURS                    |                    |              |           | INTAKE | OVERFLOW    | UNDERFLOW    | RIG FUEL @ 06:00 HRS. = 191cm                        |                                                              |                      |  |  |  |  |  |
|                                        | DRILLPIPE SINGLES |         |        |               |                  |     |  |                    |           |           |  |                |  |                   |                          |                    |              |           |        |             |              |                                                      | BOILER FUEL @ 06:00 HRS. BOILER #1 = 143cm BOILER #2 = 138cm |                      |  |  |  |  |  |
|                                        | KELLY DOWN        | 4.76    |        |               |                  |     |  | DEVIATION SURVEY   |           |           |  |                |  |                   |                          | HOURS              |              |           |        | INTAKE      | OVERFLOW     | UNDERFLOW                                            | SET UP BRAKES                                                |                      |  |  |  |  |  |
|                                        |                   |         |        |               |                  |     |  | DEPTH ( m )        | DEVIATION | DIRECTION |  |                |  |                   |                          |                    |              |           |        |             |              |                                                      |                                                              |                      |  |  |  |  |  |
|                                        | TOTAL             | 457.00  |        |               |                  |     |  |                    |           |           |  |                |  |                   |                          | BOILER             |              |           |        |             |              |                                                      |                                                              |                      |  |  |  |  |  |
|                                        | F D C.            | 23      |        | 1000 dan      | DRAG dan         |     |  |                    |           |           |  |                |  |                   |                          | HRS. RUN           |              |           |        | PH          | STACK deg    | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE |                                                              |                      |  |  |  |  |  |
|                                        |                   |         |        | 1000 dan      | TORQUE           | 200 |  |                    |           |           |  |                |  |                   |                          | 8 00               |              |           |        | 11 0        | 450          | CHECK & RESET CROWN SAVER                            |                                                              |                      |  |  |  |  |  |
|                                        | WT. OF STRING     | 28      |        | 1000 dan      | FILL m           |     |  |                    |           |           |  |                |  |                   |                          | MACP               |              |           |        |             |              |                                                      |                                                              | BLOW DOWN BOILERS 4X |  |  |  |  |  |
| DRILLERS SIGNATURE                     |                   |         |        |               | MONTE RUTHERFORD |     |  |                    |           |           |  |                |  |                   | MAX HOOKLOAD             |                    |              |           |        | 28          |              |                                                      |                                                              |                      |  |  |  |  |  |



|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                  |                                                   |                 |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|---------------------------------------------------|-----------------|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO : <b>PARA etal NOGHA</b>                                                                                  |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH BR<br>YH BR<br>YH BR<br>YH BR | DATE REC'D : <b>3</b><br><b>FUEL @ 08:00 HRS.</b> |                 |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  |                                                                                                                                                                                                                                                        |  | YH BR                            | RIG                                               | BOILER          |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                      |  |                                                                                                                                                                                                                                                        |  | YH BR                            | WEATHER                                           | TEMPERATURE -20 |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  | BR                               | CONDITIONS                                        | CLEAR           |
|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  | BR                               | WIND DIRECTIONS                                   | E               |
|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  | BR                               | ROAD CONDITION                                    | ICE             |

| YUGON HOPE                                                                           |                   |              |           |               |                   |                |             |               |                    | BOB ROGERS  |               |                   |                |                   |            |            |            |                |                                         | SAFETY TOPIC     |                |                  |                    |               |    |           |       |      |  | ADDING ANTIFREEZE |  |              |      |      |     |             |  |  |  |  |  |
|--------------------------------------------------------------------------------------|-------------------|--------------|-----------|---------------|-------------------|----------------|-------------|---------------|--------------------|-------------|---------------|-------------------|----------------|-------------------|------------|------------|------------|----------------|-----------------------------------------|------------------|----------------|------------------|--------------------|---------------|----|-----------|-------|------|--|-------------------|--|--------------|------|------|-----|-------------|--|--|--|--|--|
| LAST CASING TUBING OR LINER                                                          | O.D. mm           |              | MIN. I.D. |               | kg/m              |                | MAKE        |               | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                   | KB TO CSG. |            | SET AT (m) |                | SHALE SHAKER(S)                         |                  |                |                  | RENTALS / SERVICES |               |    |           |       |      |  |                   |  |              | Morn | Day  | Eve |             |  |  |  |  |  |
|                                                                                      |                   |              |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                | NO. 1                                   |                  | TYPE KING      |                  | TYPE               |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                | CHANGE SCREENS                          |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                | TOP 80140                               |                  | TOP 140        |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| DC. DP SIZE                                                                          |                   | KG / M       |           | GRADE         |                   | MIN. ID        |             | TOOL JT. O.D. |                    | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER |            | PUMP TYPE  |            | STROKE LTH.    |                                         | MIDDLE 80140     |                | MIDDLE 140       |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   | 20.84        |           | E             |                   | 84             |             | 117           |                    | 4"FH        |               | 280               |                | OILWELL           |            | PT-850     |            | 229            |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   | 62.45        |           | H.W.D.        |                   | 70             |             | 158           |                    | 4.5"XH      |               | 20                |                | EMSCO             |            | 375        |            | 356            |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| 165                                                                                  |                   | 151.70       |           | D.C           |                   | 73             |             | 171           |                    | 4.5"XH      |               | 20                |                |                   |            |            |            |                |                                         | BOTTOM 80        |                | BOTTOM 80140     |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| CODE NO.                                                                             | 1                 | 2            | 3         | 4             | 5                 | 6              | 7           | 8             | 9                  | 10          | 11            | 12                | 13             | 14                | 15         | 16         | 17         | 18             | 19                                      | 20               | 21             | 22               | 23                 | 24            | 25 | 26        | TOTAL |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| OPER.                                                                                | RIGUP & TEARDOWN  | DRILL ACTUAL | HEAVING   | CORING        | COND. MUD & CIRC. | TRIPS          | RID SERVICE | REPAIRRD      | CUT OFF DRLO. LINE | DEV SURVEY  | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | RIPIPLE UP B.O.P  | TEST S.O.P | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING                                 | DIRECTIONAL WORK | SAFETY MEETING | OTHER            |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| MORN                                                                                 |                   | 3 00         |           |               |                   | 0 50           | 0 25        |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                | 4 25             |                    |               |    |           | 8 00  |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| DAY                                                                                  |                   | 5 25         |           |               |                   |                | 0 25        |               |                    | 0 25        |               |                   |                |                   |            |            |            |                |                                         |                  |                | 6 25             |                    |               |    |           | 12 00 |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| EVE                                                                                  |                   | 1 00         |           |               |                   | 0 25           | 0 25        |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                | 2 50             |                    |               |    |           | 4 00  |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| TOTAL                                                                                |                   | 9.25         |           |               |                   | 0 75           | 0 75        |               |                    | 0.25        |               |                   |                |                   |            |            |            |                |                                         |                  |                | 13 00            |                    |               |    |           | 24 00 |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG |                   |              |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| BIT/MILLS                                                                            |                   | O.D. mm      |           | 0 35 m        |                   | BIT NO.        |             | 2B            |                    | WATER BASED |               |                   |                | OIL BASED         |            |            |            | FROM           |                                         | TO               |                | DRILL/ REAM/C.R. |                    | ROTARY R.P.M. |    | WT ON BIT |       | FROM |  | TO                |  | ELAPSED TIME |      | CODE |     | TIME DETAIL |  |  |  |  |  |
| 1                                                                                    | BIT SUB           | 223          | 0 90 m    | SIZE (mm)     | 311 0             | TIME           | 1000        | 1300          | 1600               | 457 00      | 482 00        | D                 | 120            | 12                | 800        | 815        | 0.25       | 7              | RIG SERVICE                             |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| 1                                                                                    | SHOCK SUB         | 223          | 3 98 m    | IADC CODE     |                   | DENSITY kg/m3  | 1010        | 1010          | 1010               |             |               |                   |                |                   | 815        | 930        | 1.25       | 22             | BUILD SURFACE VOLUME                    |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| 16                                                                                   | D C               | 165          | 137 92 m  | MPG CODE      |                   | FUNNEL VIS cSt | 28          | 28            | 28                 |             |               |                   |                |                   | 930        | 1100       | 1.50       | 2              | DRILL AHEAD FRM 457 M TO 464 NO RETURNS |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| 8                                                                                    | H.W.D.P           | 114          | 75 18 m   | MPG           | WESTERN           | W.L. cm/FILCK  |             |               |                    |             |               |                   |                |                   | 1100       | 1430       | 3.50       | 22             | BUIOLD SURFACE VOLUME                   |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| 1                                                                                    | X.O               | 165          | 0.39 m    | Type          | 537MX-30          | PH             | 0.7         | 0 7           | 0 7                |             |               |                   |                |                   | 1430       | 1815       | 3.75       | 2              | DRILL AHEAD 464 M TO                    |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           | SERIAL NO.    | V19DC             |                |             |               |                    |             |               |                   |                |                   | 1815       | 1830       | 0.25       | 10             | DEV. SURVEY @ 474 M 1.5 DEGREE          |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           | JETS (mm)     | O P E N           |                |             |               |                    |             |               |                   |                |                   | 1830       | 2000       | 1.50       | 22             | BUILD SURFACE VOLUME                    |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           | DEPTH IN (m)  | 166 00            |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           | DEPTH OUT (m) |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           | TOTAL METER   | 316 00            |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      |                   |              |           | TOTAL HOURS   | 65.25             |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
| 13                                                                                   | DRILLPIPE STANDS  | 252.38 m     |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      | DRILLPIPE SINGLES |              |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      | KELLY DOWN        | 10.28 m      |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |
|                                                                                      | TOTAL             | 482.00 m     |           |               |                   |                |             |               |                    |             |               |                   |                |                   |            |            |            |                |                                         |                  |                |                  |                    |               |    |           |       |      |  |                   |  |              |      |      |     |             |  |  |  |  |  |

|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                           |  |                                                                                            |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|--------------------------------------------------------------------------------------------|--|
| LICENCE NO<br><b>WID1934</b>                                                                                              |  | WELL NAME AND NO.<br><b>PARA etal NOGHA</b>                                                                                |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH BR<br>YH BR<br>YH BR<br>YH BR<br>YH BR |  | 3<br><b>FUEL @ 08:00 HRS.</b>                                                              |  |
| OPERATOR :<br><b>PARAMOUNT RESOURCES LTD.</b>                                                                             |  | CONTRACTOR :<br><b>WILSON DRILLING LTD.</b>                                                                                |  |                                                                                                                                                                                                                                                        |  | RIG                                       |  | BOILER                                                                                     |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. :<br><b>300C496640125450</b>                                                                                   |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                      |  | BR<br>BR<br>BR<br>BR                      |  | WEATHER<br>TEMPERATURE -20<br>CONDITIONS CLEAR<br>WIND DIRECTION S E<br>ROAD CONDITION ICE |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                           |  |                                                                                            |  |

| YUGON HOPE                                                                                       |                   |              |          |                |                   |                         |                   |            |                                 | BOB ROGERS                                     |                  |                                   |                                            |                 |            |              |           |                |                                                      | SAFETY TOPIC     |                |       |     |     | AIR SYSTEM |       |       |  |
|--------------------------------------------------------------------------------------------------|-------------------|--------------|----------|----------------|-------------------|-------------------------|-------------------|------------|---------------------------------|------------------------------------------------|------------------|-----------------------------------|--------------------------------------------|-----------------|------------|--------------|-----------|----------------|------------------------------------------------------|------------------|----------------|-------|-----|-----|------------|-------|-------|--|
| LAST CASING TUBING OR LINER                                                                      | O.D. mm           | MIN. LD      | kg/m     | MAKE           | GRADE             | # OF JOINTS             | TOTAL (m)         | KB TO CSG. | SET AT (m)                      | SHALE SHAKER(S)                                |                  |                                   | RENTALS / SERVICES                         |                 |            |              |           |                |                                                      |                  |                |       | Mom | Day | Eve        |       |       |  |
|                                                                                                  |                   |              |          |                |                   |                         |                   |            |                                 | NO. 1                                          | TYPE KING        | TYPE                              |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              |          |                |                   |                         |                   |            |                                 | CHANGES SCREENS                                |                  |                                   | YES                                        | NO              |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              |          |                |                   |                         |                   |            |                                 | TOP 80140                                      | TOP 140          |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| DC . DP SIZE                                                                                     | KG / M            | GRADE        | MIN.ID   | TOOL JT O.D.   | TYPE THREAD       | # OF JOINTS             | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH.                     | MIDDLE 80140                                   | MIDDLE 140       |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| 102                                                                                              | 20.84             | F            | 84       | 117            | 4"FH              | 280                     | OILWELL           | PT-850     | 229                             |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| 1                                                                                                | 62.45             | H.W.D.       | 70       | 158            | 4.5"XH            | 20                      | EMSCO             | 375        | 356                             | BOTTOM 80                                      | BOTTOM 80140     |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| 165                                                                                              | 151.70            | D.C          | 73       | 171            | 4.5"XH            | 20                      |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| CODE NO.                                                                                         | 1                 | 2            | 3        | 4              | 5                 | 6                       | 7                 | 8          | 9                               | 10                                             | 11               | 12                                | 13                                         | 14              | 15         | 16           | 17        | 18             | 19                                                   | 20               | 21             | 22    | 23  | 24  | 25         | 26    | TOTAL |  |
| OPER.                                                                                            | RIGUP & TEARDOWN  | DRILL ACTUAL | READING  | CORRIG         | CORR. MUD & CIRC. | TRIPS                   | RIG SERVICE       | REPAIRING  | CUT OFF DRILL LINE              | DEV SURVEY                                     | WIRELINE LOGS    | RUN CSO. & CEILING                | WAIT ON CEMENT                             | NIPPLE UP B.O.P | TEST B.O.P | DRILL STEM   | PLUG BACK | SQUEEZE CEMENT | FISHING                                              | DIRECTIONAL WORK | SAFETY MEETING | OTHER |     |     |            |       |       |  |
| MORN                                                                                             |                   | 3 00         |          |                |                   | 0 50                    | 0.25              |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                | 4 25  |     |     |            | 8 00  |       |  |
| DAY                                                                                              |                   | 5.25         |          |                |                   |                         | 0.25              |            |                                 | 0.25                                           |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                | 6.25  |     |     |            | 12 00 |       |  |
| EVE                                                                                              |                   | 1 00         |          |                |                   | 0 25                    | 0.25              |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                | 2 50  |     |     |            | 4 00  |       |  |
| TOTAL                                                                                            |                   | 9.25         |          |                |                   | 0 75                    | 0.75              |            |                                 | 0 25                                           |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                | 13 00 |     |     |            | 24 00 |       |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL |                   |              |          |                |                   |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| BIT SIZES                                                                                        |                   | O.D.(mm)     | 0 35 m   | BIT NO         | 2B                | WATER BASED X OIL BASED |                   |            | FROM                            | TO                                             | DRILL/ REAM/C.R. | ROTARY R.P.M.                     | WT ON BIT                                  | FROM            | TO         | ELAPSED TIME | CODE      | TIME DETAIL    |                                                      |                  |                |       |     |     |            |       |       |  |
| 1                                                                                                | BIT SUB           | 223          | 0 90 m   | SIZE (mm)      | 311 0             | TIME                    | 2000              | 2200       | 2400                            | 482.00                                         | 486.00           | 0                                 | 120                                        | 10              | 2000       | 2230         | 2.50      | 22             | BUILD SURFACE VOLUME                                 |                  |                |       |     |     |            |       |       |  |
| 1                                                                                                | SHOCK SUB         | 223          | 3 98 m   |                |                   | DENSITY kg/m3           | 1000              | 1000       | 1000                            |                                                |                  |                                   |                                            |                 | 2230       | 2245         | 0.25      | 7              | RIG SERVICE F/T ANNULAR 12 SECS. T/C                 |                  |                |       |     |     |            |       |       |  |
| 1                                                                                                | BELL SUB          | 223          | 0 62 m   | IADC CODE      |                   | FUNNEL VIS s/l          | 28                | 28         | 28                              |                                                |                  |                                   |                                            |                 | 2245       | 2300         | 0.25      | 6              | R.I.H.                                               |                  |                |       |     |     |            |       |       |  |
| 16                                                                                               | D C               | 165          | 137 92 m | MFQ.           | WESTERN           | W L cm/ FLCK            |                   |            |                                 |                                                |                  |                                   |                                            |                 | 2300       | 2400         | 1.00      | 2              | DRILL F/482M - 486M                                  |                  |                |       |     |     |            |       |       |  |
| 8                                                                                                | H W D P           | 114          | 75 18 m  | Type           | 537MX-30          | PH                      |                   |            |                                 |                                                |                  |                                   |                                            |                 | 2400       |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| 1                                                                                                | X O               | 165          | 0 39 m   | SERIAL NO.     | V19DC             |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              | m        | JETS (mm)      | O P E N           | MUD MATERIALS USED      |                   |            | REDUCED PUMP SPEED @ 0          |                                                |                  | SOLIDS CONTROL EQUIPMENT DESILTER |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              | m        | DEPTH IN (m)   | 166 00            | TYPE                    | QTY               | UNITS      | HOURS INTAKE OVERFLOW UNDERFLOW |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              | m        | DEPTH OUT (m)  |                   |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              | m        | TOTAL METER    | 320 00            |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              | m        | TOTAL HOURS    | 66 25             |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| 13                                                                                               | DRILLPIPE STANDS  | 252 38 m     |          | INNER LOCATION | BEARINGS          | GAGE(mm)                | OTHER             | REASON     | R.O.P                           | DEVIATION SURVEY DEPTH (m) DEVIATION DIRECTION |                  |                                   | CENTRIFUGE HOURS INTAKE OVERFLOW UNDERFLOW |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| 1                                                                                                | DRILLPIPE SINGLES | 9 76 m       |          |                |                   |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| KELLY DOWN                                                                                       |                   | 4.52 m       |          |                |                   |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| TOTAL                                                                                            |                   | 486.00 m     |          |                |                   |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| V.D.C.                                                                                           |                   | 23 1000 dan  |          | DRAG dan       |                   |                         |                   |            |                                 | HRS. RUN BOILER PH STACK deg                   |                  |                                   |                                            |                 |            |              |           |                | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE |                  |                |       |     |     |            |       |       |  |
| WT. OF STRING                                                                                    |                   | 28 1000 dan  |          | TORQUE 220     |                   |                         |                   |            |                                 | 4 00 11 0 450                                  |                  |                                   |                                            |                 |            |              |           |                | CHECK & RESET CROWN SAVER                            |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              |          | FILL m         |                   |                         |                   |            |                                 | MACP                                           |                  |                                   |                                            |                 |            |              |           |                | BLOW DOWN BOILERS 2X                                 |                  |                |       |     |     |            |       |       |  |
|                                                                                                  |                   |              |          |                |                   |                         |                   |            |                                 | MAX HOOKLOAD 28                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD                                                              |                   |              |          |                |                   |                         |                   |            |                                 |                                                |                  |                                   |                                            |                 |            |              |           |                |                                                      |                  |                |       |     |     |            |       |       |  |

LICENCE NO. : **WID1934**

**PARA etal NOGHA**

**OPERATOR :**

**PARAMOUNT RESOURCES LTD.**

**CONTRACTOR**

**WILSON DRILLING LTD.**

**SURFACE LOCATION:**

**UNIQUE I.D. :**

**300C496640125450**

**OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)**

**CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)**

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( if Required )
- (4) Well License & Stick Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Flarelines & Degasser Lines

  

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A.O.D.C. Rig Safety Inspection Checklist(monthly/month)
- (3) Most Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kils Checked

|    |    |
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|-------------------|--------------------|-------|--------|-----|---|
| YEAR              | 2003               | MONTH | 2      | DAY | 7 |
| REG NO. 3         |                    |       |        |     |   |
| FUEL @ 08:00 HRS. |                    |       |        |     |   |
| REG               |                    |       | BOILER |     |   |
| WEATHER           | TEMPERATURE -21    |       |        |     |   |
|                   | CONDITIONS CLEAR   |       |        |     |   |
|                   | WIND DIRECTIONS E  |       |        |     |   |
|                   | ROAD CONDITION ICE |       |        |     |   |

# MILES PYRET

# BOB ROGERS

## SAFETY TOPIC

SLIP &amp; CUT

| LAST CASING TUBING OR LINER | O.D mm           |              | MIN. I.D |        | kg/m               |       | MAKE         |           | GRADE              |            | # OF JOINTS   |                   | TOTAL (m)         |                | KB TO CSG. |            | SET AT (m)  |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |     |     |        |    |       |        |       |  |  |  |  | Mon | Day | Eve |  |  |  |  |  |  |
|-----------------------------|------------------|--------------|----------|--------|--------------------|-------|--------------|-----------|--------------------|------------|---------------|-------------------|-------------------|----------------|------------|------------|-------------|----------------|-----------------|------------------|----------------|--------------------|-----|-----|--------|----|-------|--------|-------|--|--|--|--|-----|-----|-----|--|--|--|--|--|--|
|                             |                  |              |          |        |                    |       |              |           |                    |            |               |                   |                   |                |            |            |             |                | NO. 1           | TYPE KING        | TYPE           |                    |     |     |        |    |       |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             |                  |              |          |        |                    |       |              |           |                    |            |               |                   |                   |                |            |            |             |                | CHANGE SCREENS  |                  |                |                    | YES | NO  |        |    |       |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             |                  |              |          |        |                    |       |              |           |                    |            |               |                   |                   |                |            |            |             |                |                 |                  | TOP            | 80140              |     | TOP | 140    |    |       |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| DC . DP SIZE                | KG / M           |              | GRADE    |        | MIN. I.D           |       | TOOL JT O.D. |           | TYPE THREAD        |            | # OF JOINTS   |                   | PUMP MANUFACTURER |                | PUMP TYPE  |            | STROKE LTH. |                | MIDDLE          | 80140            |                | MIDDLE             | 140 |     |        |    |       |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             | 20.84            |              | N        |        | E                  |       | 84           |           | 117                |            | 4"FH          |                   | 260               |                | OILWELL    |            | PT-850      |                | 229             |                  |                |                    |     |     |        |    |       |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             | 62.45            |              | H.W.D.   |        | 70                 |       | 158          |           | 4.5"XH             |            | 20            |                   | EMSCO             |                | 375        |            | 356         |                |                 |                  |                |                    |     |     |        |    |       |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| 155                         | 151.70           |              | D.C      |        | 73                 |       | 171          |           | 4.5"XH             |            | 20            |                   |                   |                |            |            |             |                |                 |                  |                |                    |     |     | BOTTOM | 80 |       | BOTTOM | 80140 |  |  |  |  |     |     |     |  |  |  |  |  |  |
| CODE NO.                    | 1                | 2            | 3        | 4      | 5                  | 6     | 7            | 8         | 9                  | 10         | 11            | 12                | 13                | 14             | 15         | 16         | 17          | 18             | 19              | 20               | 21             | 22                 | 23  | 24  | 25     | 26 | TOTAL |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| OPER.                       | RIQUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING | COND. BRID & CIRC. | TRIPS | RIG SERVICE  | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT    | NPPLS UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK   | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING | BUILD VOL          |     |     |        |    |       |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| MORN                        |                  | 5 00         |          |        | 0 25               | 1.25  | 0 25         |           | 1 25               |            |               |                   |                   |                |            |            |             |                |                 |                  |                |                    |     |     |        |    | 8 00  |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| DAY                         |                  | 4 25         |          |        |                    |       | 0.25         |           |                    | 0 25       |               |                   |                   |                |            |            |             |                |                 |                  |                | 7 25               |     |     |        |    | 12 00 |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| EVE                         |                  | 3 25         |          |        |                    | 0 25  | 0 25         |           |                    | 0 25       |               |                   |                   |                |            |            |             |                |                 |                  |                |                    |     |     |        |    | 4 00  |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| TOTAL                       |                  | 12 50        |          |        | 0.25               | 1 50  | 0 75         |           | 1.25               | 0 50       |               |                   |                   |                |            |            |             |                |                 |                  |                | 7 25               |     |     |        |    | 24 00 |        |       |  |  |  |  |     |     |     |  |  |  |  |  |  |

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |               |           |        | BIT RECORD       |          |                    |          | MUD RECORD   |           |                          |                           | METERS DRILLED   |                             |                  |                             | TIME LOG |                                                      |                 |                                                      | TIME DETAIL                              |              |                                                      |  |  |
|---------------------------------------|---------------|-----------|--------|------------------|----------|--------------------|----------|--------------|-----------|--------------------------|---------------------------|------------------|-----------------------------|------------------|-----------------------------|----------|------------------------------------------------------|-----------------|------------------------------------------------------|------------------------------------------|--------------|------------------------------------------------------|--|--|
| NO.                                   | BIT/TOOLS     | O.D. (mm) | 0 35   | BIT NO           | 2B       | WATER BASED        |          | X            | OIL BASED |                          | FROM                      | TO               | DRILL/<br>REAM/CR.          | ROTARY<br>R.P.M. | WT ON BIT                   | FROM     | TO                                                   | ELAPSED<br>TIME | CODE                                                 |                                          |              |                                                      |  |  |
| 1                                     | BIT SUB       | 223       | 0 90   | SIZE (mm)        | 311 0    | TIME               |          |              |           |                          | 390 00                    | 414 00           | D                           | 120              | 10                          | 0        | 30                                                   | 0.50            | 6                                                    | R.I.H.                                   |              |                                                      |  |  |
| 1                                     | SHOCK SUB     | 223       | 3 98   |                  |          | DENSITY<br>kg/m3   |          |              |           |                          |                           |                  |                             |                  |                             | 30       | 145                                                  | 1.25            | 9                                                    | SLIP & CUT 15M                           |              |                                                      |  |  |
| 1                                     | BELL SUB      | 223       | 0 62   | IADC<br>CODE     |          | FUNNEL<br>VIS s/l  |          |              |           |                          |                           |                  |                             |                  |                             | 145      | 200                                                  | 0.25            | 7                                                    | RIG SERVICE F/T ANNULAR 12 SECS. T/C     |              |                                                      |  |  |
| 16                                    | D C           | 165       | 137 92 |                  |          | W.L. cm/<br>FILCK  |          |              |           |                          | Circ.<br>Press.<br>(l-Pa) |                  | PUMP NO. 1<br>LINER(mm) SPM |                  | PUMP NO. 2<br>LINER(mm) SPM |          | 200                                                  | 245             | 0.75                                                 | 6                                        | CONTL R.I.H. |                                                      |  |  |
| 8                                     | H.W D P       | 114       | 75 18  | MFG.             | WESTERN  | PH                 |          |              |           |                          | 2100                      | 165 0            | 100                         | 0 0              |                             | 245      | 300                                                  | 0.25            | 5                                                    | BREAK CIRC. & CLEAN TO BOTTOM 2M OF FILL |              |                                                      |  |  |
| 1                                     | X.O           | 165       | 0 39   | Type             | 537MX-30 |                    |          |              |           |                          | REDUCED PUMP SPEED        |                  |                             |                  |                             | 300      | 800                                                  | 5.00            | 2                                                    | DRILL F/ 390M - 414M                     |              |                                                      |  |  |
|                                       |               |           |        | SERIAL<br>NO.    | V19DC    | MUD MATERIALS USED |          |              |           |                          | @                         |                  |                             |                  |                             | 800      |                                                      |                 |                                                      |                                          |              |                                                      |  |  |
|                                       |               |           |        | JETS (mm)        | O P E N  | TYPE               |          | QTY          | UNITS     | SOLIDS CONTROL EQUIPMENT |                           |                  |                             |                  |                             |          |                                                      |                 |                                                      |                                          |              |                                                      |  |  |
|                                       |               |           |        | DEPTH IN<br>(m)  | 166 00   |                    |          |              |           | DESILTER                 |                           |                  |                             |                  |                             |          |                                                      |                 |                                                      |                                          |              |                                                      |  |  |
|                                       |               |           |        | DEPTH<br>OUT (m) |          |                    |          |              |           | HOURS                    |                           |                  |                             |                  | INTAKE                      | OVERFLOW | UNDERFLOW                                            |                 |                                                      |                                          |              |                                                      |  |  |
|                                       |               |           |        | TOTAL<br>METER   | 248 00   |                    |          |              |           | CENTRIFUGE               |                           |                  |                             |                  |                             |          |                                                      |                 |                                                      |                                          |              |                                                      |  |  |
|                                       |               |           |        | TOTAL<br>HOURS   | 49 50    |                    |          |              |           | HOURS                    |                           |                  |                             |                  | INTAKE                      | OVERFLOW | UNDERFLOW                                            |                 |                                                      |                                          |              |                                                      |  |  |
| 9                                     | DRILLPIPE     | STANDS    | 175 04 | INNER            | OUTER    | BULL               | LOCATION | BEARINGS     | QAG (mm)  | OTHER                    | REASON                    | R.O.P.           |                             |                  |                             |          |                                                      |                 |                                                      |                                          |              | RIG FUEL = 108cm BOILER #1 = 183cm BOILER #2 = 177cm |  |  |
| 1                                     | DRILLPIPE     | SINGLES   | 9 71   |                  |          |                    |          |              |           |                          |                           | DEVIATION SURVEY |                             |                  |                             |          | TALLY - STRAP = 378.55M BOARD = 378.44M DIFF. = .11M |                 |                                                      |                                          |              |                                                      |  |  |
|                                       | KELLY DOWN    | 9.91      |        |                  |          |                    |          |              |           |                          |                           | DEPTH (m)        |                             |                  |                             |          | DEVIATION                                            | DIRECTION       |                                                      |                                          |              |                                                      |  |  |
|                                       | TOTAL         | 414.00    |        |                  |          |                    |          |              |           |                          |                           | HOURS            |                             |                  |                             |          | INTAKE                                               | OVERFLOW        | UNDERFLOW                                            |                                          |              |                                                      |  |  |
|                                       | F D C.        | 23        | 1000   | DRAG dan         |          |                    |          |              |           |                          |                           | HRS. RUN         |                             |                  |                             |          | BOILER<br>PH                                         | STACK deg       | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE |                                          |              |                                                      |  |  |
|                                       | WT. OF STRING | 27        | 1000   | TORQUE           |          |                    |          |              |           |                          |                           | 8 00             |                             |                  |                             |          | 11 0                                                 | 450             | CHECK & RESET CROWN SAVER                            |                                          |              |                                                      |  |  |
|                                       |               |           | dan    | FILL m           |          |                    |          |              |           |                          |                           | MACP             |                             |                  |                             |          | BLOW DOWN BOILERS 4X                                 |                 |                                                      |                                          |              |                                                      |  |  |
| DRILLERS SIGNATURE                    |               |           |        | MONTE RUTHERFORD |          |                    |          | MAX HOOKLOAD |           |                          |                           |                  |                             |                  |                             |          |                                                      |                 |                                                      |                                          |              |                                                      |  |  |

|                                                                                                                         |                  |                                   |                                                               |                                                                                                                           |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
|-------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------|---------------------------------|---------------------------------|--------------------|-------------------|------------|-------------------|--------------|--------------------|-------------------------------------------------------|------------------|----------------|-----------|------|-------------|-----|----|-------|
| DAY SHIF-I                                                                                                              |                  |                                   |                                                               |                                                                                                                           |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| LICENCE NO. WID1934                                                                                                     |                  | WELL NAME AND NO. PARA etal NOGHA |                                                               |                                                                                                                           |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                     |                  |                                   |                                                               | CONTRACTOR - WILSON DRILLING LTD.                                                                                         |                  |                       |                                 | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines<br><br>(1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kils Checked |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| SURFACE LOCATION :                                                                                                      |                  |                                   |                                                               | UNIQUE I.D. : 300C496640125450                                                                                            |                  |                       |                                 | MP RR MP RR MP RR MP RR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    | YEAR 2003 MONTH 2 DAY 7 |                                 | RIG NO.- 3                      |                    | FUEL @ 08:00 HRS. |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| OPERATORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                  |                                   |                                                               | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                  |                       |                                 | BR BR BR BR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    | RIG BOILER              |                                 | TEMPERATURE -21                 |                    | CONDITIONS CLEAR  |            | WIND DIRECTIONS E |              | ROAD CONDITION ICE |                                                       |                  |                |           |      |             |     |    |       |
| MILES PYRET                                                                                                             |                  |                                   |                                                               | BOB ROGERS                                                                                                                |                  |                       |                                 | SAFETY TOPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    | SURFACE GAS             |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| LAST CASING TUBING OR LINER                                                                                             |                  | O.D. mm                           | MIN. LD                                                       | kg/m                                                                                                                      | MAKE             | GRADE                 | # OF JOINTS                     | TOTAL (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | KB TO CSG.         | SET AT (m)              | SHALE SHAKER(S)                 |                                 | RENTALS / SERVICES |                   |            |                   |              |                    |                                                       |                  |                |           | Morn | Day         | Eve |    |       |
|                                                                                                                         |                  |                                   |                                                               |                                                                                                                           |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 | NO. 1                           | TYPE KING          | TYPE              |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
|                                                                                                                         |                  |                                   |                                                               |                                                                                                                           |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 | CHANGE SCREENS                  |                    | YES               | NO         |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| DC. DP SIZE                                                                                                             | KG / M           | GRADE                             | MIN. ID                                                       | TOOL JT. O.D                                                                                                              | TYPE THREAD      | # OF JOINTS           | PUMP MANUFACTURER               | PUMP TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | STROKE LTH.        |                         | TOP 80140                       | TOP 140                         |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| 102                                                                                                                     | 20.84            | E                                 | 84                                                            | 117                                                                                                                       | 4"FH             | 260                   | OILWELL                         | PT-850                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 229                |                         | MIDDLE 80140                    | MIDDLE 140                      |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| 105                                                                                                                     | 62.45            | H.W.D                             | 70                                                            | 158                                                                                                                       | 4.5"XH           | 20                    | EMSCO                           | 375                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 356                |                         | BOTTOM 80                       | BOTTOM 80140                    |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| CODE NO.                                                                                                                | 1                | 2                                 | 3                                                             | 4                                                                                                                         | 5                | 6                     | 7                               | 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 9                  | 10                      | 11                              | 12                              | 13                 | 14                | 15         | 16                | 17           | 18                 | 19                                                    | 20               | 21             | 22        | 23   | 24          | 25  | 26 | TOTAL |
| OPER.                                                                                                                   | GROUP & TEARDOWN | DRILL ACTUAL                      | REAMING                                                       | CORING                                                                                                                    | COND. END & CRCL | TRIPS                 | RIG SERVICE                     | REPAIR RD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CUT OFF DRILL LINE | DEV SURVEY              | WIRELIN LOGS                    | RUN CSGL & CEMENT               | WAIT ON CEMENT     | KIPPLE UP B.O.P   | TEST B.O.P | DRILL STEN        | PLUG BACK    | SQUEEZE CEMENT     | FISHING                                               | DIRECTIONAL WORK | SAFETY MEETING | BUILD VOL |      |             |     |    |       |
| MORN                                                                                                                    |                  | 5 00                              |                                                               |                                                                                                                           | 0 25             | 1 25                  | 0 25                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.25               |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    | 8 00  |
| DAY                                                                                                                     |                  | 4 25                              |                                                               |                                                                                                                           |                  |                       | 0.25                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 0 25                    |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  | 7 25           |           |      |             |     |    | 12 00 |
| EVE                                                                                                                     |                  | 3.25                              |                                                               |                                                                                                                           |                  | 0 25                  | 0.25                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | 0 25                    |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    | 4 00  |
| TOTAL                                                                                                                   |                  | 12.50                             |                                                               |                                                                                                                           | 0 25             | 1 50                  | 0 75                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1.25               | 0 50                    |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  | 7 25           |           |      |             |     |    | 24 00 |
| NO. DRILLING ASSEMBLY (AT END OF TOUR)                                                                                  |                  | BIT RECORD                        |                                                               |                                                                                                                           |                  | MUD RECORD            |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | METERS DRILLED          |                                 |                                 |                    | TIME LOG          |            |                   |              |                    |                                                       |                  |                |           |      | TIME DETAIL |     |    |       |
| BIT/MTLS                                                                                                                | O.D.mm           | 0.35                              | m                                                             | BIT NO                                                                                                                    | 2B               | WATER BASED OIL BASED |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | FROM                    | TO                              | DRILL/ REAM/CR                  | ROTARY R.P.M.      | WT ON BIT         | FROM       | TO                | ELAPSED TIME | CODE               |                                                       |                  |                |           |      |             |     |    |       |
| 1 BIT SUB                                                                                                               | 223              | 0 90                              | m                                                             | SIZE (mm)                                                                                                                 | 311 0            | TIME                  | 900                             | 1200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1600               | 414.00                  | 429.00                          | D                               | 120                | 12                | 800        | 845               | 0.75         | 2                  | DRILL FRM 414 M TO 416 M, (STEADY LOSSES)             |                  |                |           |      |             |     |    |       |
| 1 SHOCK SUB                                                                                                             | 223              | 3 98                              | m                                                             | IADC CODE                                                                                                                 |                  | DENSITY kg/m3         | 1010                            | 1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1010               |                         |                                 |                                 |                    |                   | 845        | 900               | 0.25         | 7                  | RIG SERVICE (GREASE DRIVELINES AND SERVICE SWIVEL)    |                  |                |           |      |             |     |    |       |
| 1 BELL SUB                                                                                                              | 223              | 0 62                              | m                                                             | MFQ                                                                                                                       | WESTERN          | FUNNEL VIS s/l        | 28                              | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 28                 |                         |                                 |                                 |                    |                   | 900        | 915               | 0.25         | 10                 | DEV. SURVEY @ 407 M 1.75 DEGREES                      |                  |                |           |      |             |     |    |       |
| 16 D C                                                                                                                  | 165              | 137 92                            | m                                                             | Type                                                                                                                      | 537MX-30         | W.L cm/ FLICK         |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | Circ. Pyres (kPa)       |                                 |                                 |                    |                   | 915        | 1015              | 1.00         | 2                  | DRILL FRM 416 M TO 419 M (STEADY LOSSES )             |                  |                |           |      |             |     |    |       |
| 8 HWD P                                                                                                                 | 114              | 75 18                             | m                                                             | SERIAL NO.                                                                                                                | V19DC            | PH                    | 8 0                             | 8 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8 0                | LINER(mm)               | SPM                             | LINER(mm)                       | SPM                |                   | 1015       | 1330              | 3.25         | 22                 | PULL UP 3 STDs AND WAIT ON WATER TRUCKS TO FILL TANKS |                  |                |           |      |             |     |    |       |
| 1 X O                                                                                                                   | 165              | 0 39                              | m                                                             | JETS (mm)                                                                                                                 | O P E N          | REDUCED PUMP SPEED    |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    | @                       | 0                               | @                               |                    |                   | 1330       | 1600              | 2.50         | 2                  | DRILL AHEAD FRM 419 M TO 429 M                        |                  |                |           |      |             |     |    |       |
|                                                                                                                         |                  |                                   |                                                               | MUD MATERIALS USED                                                                                                        |                  |                       |                                 | SOLIDS CONTROL EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
|                                                                                                                         |                  |                                   |                                                               | TYPE QTY UNITS                                                                                                            |                  |                       |                                 | DESILTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                         |                                 | HOURS INTAKE OVERFLOW UNDERFLOW |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
|                                                                                                                         |                  |                                   |                                                               | DEPTH IN (m)                                                                                                              |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
|                                                                                                                         |                  |                                   |                                                               | DEPTH OUT (m)                                                                                                             |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
|                                                                                                                         |                  |                                   |                                                               | TOTAL METER                                                                                                               |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
|                                                                                                                         |                  |                                   |                                                               | TOTAL HOURS                                                                                                               |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| 9 DRILLPIPE STANDS                                                                                                      | 204 15           | m                                 | INNER OUTER DULL LOCATION BEARINGS GAGE/mm OTHER REASON R.O.P |                                                                                                                           |                  |                       |                                 | CENTRIFUGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |                         |                                 | HOURS INTAKE OVERFLOW UNDERFLOW |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| DRILLPIPE SINGLES                                                                                                       |                  | m                                 |                                                               |                                                                                                                           |                  |                       |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| KELLY DOWN                                                                                                              | 5.51             | m                                 |                                                               |                                                                                                                           |                  |                       | DEVIATION SURVEY                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         | HOURS INTAKE OVERFLOW UNDERFLOW |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |
| TOTAL                                                                                                                   | 429.00           | m                                 |                                                               |                                                                                                                           |                  |                       | DEPTH ( m ) DEVIATION DIRECTION |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                         |                                 |                                 |                    |                   |            |                   |              |                    |                                                       |                  |                |           |      |             |     |    |       |



| DRILLING ASSEMBLY<br>(AT END OF TOUR)                  |                   |         |  | BIT RECORD |               |          |      |          |             |           |                    | MUD RECORD                    |           |                                 |                          | METERS DRILLED           |                                 |                  |            | TIME LOG |      |                 |                                       | TIME DETAIL               |  |  |  |
|--------------------------------------------------------|-------------------|---------|--|------------|---------------|----------|------|----------|-------------|-----------|--------------------|-------------------------------|-----------|---------------------------------|--------------------------|--------------------------|---------------------------------|------------------|------------|----------|------|-----------------|---------------------------------------|---------------------------|--|--|--|
| NO.                                                    | BIT/MILLS         | O.D. mm |  | 0.35 m     | BIT NO.       | 2B       |      |          |             |           | WATER BASED X      |                               | OIL BASED |                                 | FROM                     | TO                       | DRILL/<br>REAM/C.R.             | ROTARY<br>R.P.M. | WT. ON BIT | FROM     | TO   | ELAPSED<br>TIME | CODE                                  |                           |  |  |  |
| 1                                                      | BIT SUB           | 223     |  | 0.90 m     | SIZE (mm)     | 311.0    |      |          |             |           | TIME               |                               |           |                                 | 429.00                   | 445.00                   | D                               | 120              | 10         | 2000     | 2315 | 3.25            | 2                                     | DRILL F/429M - 445M       |  |  |  |
| 1                                                      | SHOCK SUB         | 223     |  | 3.98 m     | IADC CODE     |          |      |          |             |           |                    | DENSITY kg/m <sup>3</sup>     |           |                                 |                          |                          |                                 |                  |            | 2315     | 2330 | 0.25            | 10                                    | DEV. SURVEY @ 431M = 1.75 |  |  |  |
| 16                                                     | BELL SUB          | 223     |  | 0.62 m     | MFG.          | WESTERN  |      |          |             |           | FUNNEL VIS s/l     |                               |           |                                 |                          |                          |                                 |                  | 2330       | 2345     | 0.25 | 7               | RIG SERVICE F/T ANNULAR 12 SECS. T/C  |                           |  |  |  |
| 8                                                      | D.C.              | 165     |  | 137.92 m   | Type          | 537MX-30 |      |          |             |           | W.L. cm/FILCK      |                               |           | Circ. Press (kPa)               | PUMP NO. 1 LINER(mm) SPM | PUMP NO. 2 LINER(mm) SPM |                                 |                  | 2345       | 2400     | 0.25 | 6               | P.O.O.H. TO 374M ( 3 STANDS OF D.P. ) |                           |  |  |  |
| 1                                                      | H.W.D.P.          | 114     |  | 75.18 m    | SERIAL NO.    | V19DC    |      |          |             |           | PH                 |                               |           | 2300                            | 165.0                    |                          | 0.0                             |                  | 2400       |          |      |                 |                                       |                           |  |  |  |
| 1                                                      | X.O.              | 165     |  | 0.39 m     | JETS (mm)     | O P E N  |      |          |             |           | MUD MATERIALS USED |                               |           | REDUCED PUMP SPEED              |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
|                                                        |                   |         |  | m          | DEPTH IN (m)  | 166.00   |      |          |             |           | TYPE               | QTY                           | UNITS     | SOLIDS CONTROL EQUIPMENT        |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
|                                                        |                   |         |  | m          | DEPTH OUT (m) |          |      |          |             |           |                    |                               |           | DESILTER                        |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
|                                                        |                   |         |  | m          | TOTAL METER   | 279.00   |      |          |             |           |                    |                               |           | CENTRIFUGE                      |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
|                                                        |                   |         |  | m          | TOTAL HOURS   | 57.00    |      |          |             |           |                    |                               |           | HOURS INTAKE OVERFLOW UNDERFLOW |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| 11                                                     | DRILLPIPE STANDS  | 213.42  |  | m          | INNER         | OUTER    | DULL | LOCATION | BEARINGS    | GAGE/mm   | OTHER              | REASON                        | R.O.P.    | DEVIATION SURVEY                |                          |                          | HOURS INTAKE OVERFLOW UNDERFLOW |                  |            |          |      |                 |                                       |                           |  |  |  |
|                                                        | DRILLPIPE SINGLES |         |  | m          |               |          |      |          | DEPTH ( m ) | DEVIATION | DIRECTION          |                               |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| KELLY DOWN                                             | 6.73              |         |  | m          |               |          |      |          | 431.00      | 1.75      |                    |                               |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| TOTAL                                                  | 439.49            |         |  | m          |               |          |      |          |             |           |                    | HRS. RUN BOILER PH STACK deg. |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| WT. OF D.C.                                            | 23                |         |  | 1000 dan   |               |          |      |          | TORQUE      |           |                    | 4.00 11.0 450                 |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| WT. OF STRING                                          | 28                |         |  | 1000 dan   |               |          |      |          | FILL m      |           |                    | MACP                          |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD                    |                   |         |  |            |               |          |      |          |             |           |                    | MAX HOOKLOAD 28               |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| Notes: DAILY WALK AROUND M.L.R. CHECK BRAKES & LINKAGE |                   |         |  |            |               |          |      |          |             |           |                    |                               |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| CHECK & RESET CROWN SAVER F/T HCR 3 SECS. T/O          |                   |         |  |            |               |          |      |          |             |           |                    |                               |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |
| BLOW DOWN BOILER 2X                                    |                   |         |  |            |               |          |      |          |             |           |                    |                               |           |                                 |                          |                          |                                 |                  |            |          |      |                 |                                       |                           |  |  |  |



|                                                                                                                          |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                              |  |
|--------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|----------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                   |  | (2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted (If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM |  | 3<br><b>FUEL @ 08:00 HRS.</b>                                                                |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                      |  | RG 144<br>BOILER                          |  |                                                                                              |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE ID : <b>300C496640125450</b>                                                                                          |  |                                                                                                                                                                                                                                                      |  | CM<br>CM<br>CM<br>CM                      |  | WEATHER<br>TEMPERATURE -17<br>CONDITIONS SNOWING<br>WIND DIRECTION S E<br>ROAD CONDITION ICE |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                              |  |

## DE ICING

| LAST CASING TUBING OR LINER | O.D. mm           |              | MIN. LD |        | kg/m              |      | MAKE        |           | GRADE              |            | # OF JOINTS   |                   | TOTAL (m)      |                | KB TO CSG.        |             | SET AT (m) |                | SHALE SHAKER(S) |                  |                |       | RENTALS / SERVICES |    |     |       |       |  |  |  |  |  | Mon | Day | Eve |  |  |  |  |
|-----------------------------|-------------------|--------------|---------|--------|-------------------|------|-------------|-----------|--------------------|------------|---------------|-------------------|----------------|----------------|-------------------|-------------|------------|----------------|-----------------|------------------|----------------|-------|--------------------|----|-----|-------|-------|--|--|--|--|--|-----|-----|-----|--|--|--|--|
|                             |                   |              |         |        |                   |      |             |           |                    |            |               |                   |                |                |                   |             |            |                | NO. 1           |                  | TYPE KING      |       | TYPE               |    |     |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
|                             |                   |              |         |        |                   |      |             |           |                    |            |               |                   |                |                |                   |             |            |                | CHANGE SCREENS  |                  |                |       | YES                |    | NO  |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
|                             |                   |              |         |        |                   |      |             |           |                    |            |               |                   |                |                |                   |             |            |                |                 |                  | TOP            |       | TOP                |    |     |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
| DC                          | DP                | SIZE         | KG / M  |        | GRADE             |      | MIN. ID     |           | TOOL JT O.D.       |            | TYPE THREAD   |                   | # OF JOINTS    |                | PUMP MANUFACTURER |             | PUMP TYPE  |                | STROKE LTH.     |                  | 80140          |       | 140                |    |     |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
|                             |                   |              | 20.84   |        | E                 |      | 84          |           | 117                |            | 4"FH          |                   | 260            |                | OILWELL           |             | PT-850     |                | 229             |                  | MIDDLE         |       | 80140              |    | 140 |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
|                             |                   |              | 62.45   |        | H.W.D.            |      | 70          |           | 158                |            | 4.5"XH        |                   | 20             |                | EMSCO             |             | 375        |                | 356             |                  | BOTTOM         |       | 80140              |    |     |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
| 165                         |                   |              | 151.70  |        | D.C               |      | 73          |           | 171                |            | 4.5"XH        |                   | 20             |                |                   |             |            |                |                 |                  | 80             |       | 80140              |    |     |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
| CODE NO.                    | 1                 | 2            | 3       | 4      | 5                 | 6    | 7           | 8         | 9                  | 10         | 11            | 12                | 13             | 14             | 15                | 16          | 17         | 18             | 19              | 20               | 21             | 22    | 23                 | 24 | 25  | 26    | TOTAL |  |  |  |  |  |     |     |     |  |  |  |  |
| OPER.                       | RISEUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | CORD. HSD & CHRG. | TRIP | RIG SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CBL. & CEMENT | WAIT ON CEMENT | NOBLE UP B.O.P | TEST B.O.P        | DRILL STEER | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING | OTHER |                    |    |     |       |       |  |  |  |  |  |     |     |     |  |  |  |  |
| MORN                        |                   | 7 50         |         |        |                   |      | 0 25        |           |                    | 0 25       |               |                   |                |                |                   |             |            |                |                 |                  |                |       |                    |    |     | 8 00  |       |  |  |  |  |  |     |     |     |  |  |  |  |
| DAY                         |                   | 5 00         |         |        |                   |      | 0.25        | 0.25      |                    | 0.25       |               |                   |                |                |                   |             |            |                |                 |                  |                | 2 25  |                    |    |     | 8 00  |       |  |  |  |  |  |     |     |     |  |  |  |  |
| EVE                         |                   |              |         |        |                   |      | 7 75        | 0 25      |                    |            |               |                   |                |                |                   |             |            |                |                 |                  |                |       |                    |    |     | 8 00  |       |  |  |  |  |  |     |     |     |  |  |  |  |
| TOTAL                       |                   | 12 50        |         |        |                   |      | 8 00        | 0 75      |                    | 0 50       |               |                   |                |                |                   |             |            |                |                 |                  |                | 2.25  |                    |    |     | 24 00 |       |  |  |  |  |  |     |     |     |  |  |  |  |

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |                    |           |             | BIT RECORD       |          |        |  | MUD RECORD         |           |           |      | METERS DRILLED |                          |                         |                   | TIME LOG                |           |      |     | TIME DETAIL                |      |                                       |  |
|---------------------------------------|--------------------|-----------|-------------|------------------|----------|--------|--|--------------------|-----------|-----------|------|----------------|--------------------------|-------------------------|-------------------|-------------------------|-----------|------|-----|----------------------------|------|---------------------------------------|--|
| NO                                    | BIT BITS           | O.D. mm   |             | BIT NO.          | 2B       |        |  | WATER BASED        |           | OIL BASED |      |                | FROM                     | TO                      | DRILL/<br>REAM/CR | ROTARY<br>R.P.M.        | WT ON BIT | FROM | TO  | ELAPSED<br>TIME            | CODE |                                       |  |
| 1                                     | BELL SUB           | 223       | 0 35 m      | SIZE (mm)        | 311 0    |        |  | TIME               | 1100      | 330       | 630  |                | 352.00                   | 370.00                  | D                 | 70                      | 7         | 0    | 100 | 1.00                       | 2    | DRILL 311 mm hole 352 m-354m          |  |
| 1                                     | BIT SUB            | 165       | 0 83 m      | IADC             |          |        |  | DENSITY<br>kg/m3   | 1010      | 1010      | 1010 |                |                          |                         |                   |                         |           | 100  | 115 | 0.25                       | 7    | RIG SERVICE FT. HYDRIL / CLOSE 17SEC. |  |
| 16                                    | D.C.               | 165       | 137 92 m    | IADC<br>CODE     |          |        |  | FUNNEL<br>VIS cSt  | 31        | 31        | 31   |                |                          |                         |                   |                         |           | 115  | 130 | 0.25                       | 10   | DEV. SURVEY                           |  |
| 8                                     | H.W.D.P.           | 114       | 75 18 m     | MPG              | WESTERN  |        |  | W.L. cm/<br>FILCK  |           |           |      |                |                          |                         |                   |                         |           | 130  | 800 | 6.50                       | 2    | DRILL 311mm hole 354- 370             |  |
| 1                                     | X.O.               | 165       | 0 39 m      | Type             | 537MX-30 |        |  | PH                 | 9 5       | 9 5       | 9 5  |                | Circ.<br>Press<br>(MPa)  | PUMP NO. 1<br>LINER(mm) | SPM               | PUMP NO. 2<br>LINER(mm) | SPM       | 800  |     |                            |      |                                       |  |
|                                       |                    |           |             | SERIAL<br>NO.    | V19DC    |        |  |                    |           |           |      |                | 3000                     | 165 0                   | 120               |                         |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             | JETS (mm)        | O P E N  |        |  | MUD MATERIALS USED |           |           |      |                | REDUCED PUMP SPEED       |                         |                   |                         |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             | DEPTH IN<br>(m)  | 166 00   |        |  | TYPE               | QTY       | UNITS     |      |                | SOLIDS CONTROL EQUIPMENT |                         |                   |                         |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             | DEPTH<br>OUT (m) |          |        |  | GEL                | 30        | SX        |      |                | DESILTER                 |                         |                   |                         |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             | TOTAL<br>METER   | 199 00   |        |  | PRIMA SEAL F       | 6         | SX        |      |                | HOURS                    | INTAKE                  | OVERFLOW          | UNDERFLOW               |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             | TOTAL<br>HOURS   | 39 50    |        |  | SAWDUST            | 30        | SX        |      |                | CENTRIFUGE               |                         |                   |                         |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             |                  |          |        |  | SODA ASH           | 1         | SX        |      |                | HOURS                    | INTAKE                  | OVERFLOW          | UNDERFLOW               |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             |                  |          |        |  | POLY-FLAKE 3/B     | 2         | SX        |      |                |                          |                         |                   |                         |           |      |     |                            |      |                                       |  |
| 7                                     | DRILLPIPE          | STANDS    | 136 20 m    | INNER            |          |        |  | DEVIATION SURVEY   |           |           |      |                | HOURS                    | INTAKE                  | OVERFLOW          | UNDERFLOW               |           |      |     |                            |      |                                       |  |
| 1                                     | DRILLPIPE          | SINGLES   | 9 74 m      | OUTER            |          |        |  | DEPTH (m)          | DEVIATION | DIRECTION |      |                |                          |                         |                   |                         |           |      |     |                            |      |                                       |  |
|                                       | KELLY DOWN         | 9.06      | m           | LOC              |          |        |  | 341 00             | 1 50      |           |      |                |                          |                         |                   |                         |           |      |     |                            |      |                                       |  |
|                                       | TOTAL              | 370.00    | m           | BEARINGS         |          |        |  | HRS. RUN           |           |           |      | BOILER<br>PH   |                          |                         |                   | STACK deg               |           |      |     | Notes:                     |      |                                       |  |
|                                       | W. D.C.            | 23        | 1000<br>dwt | DRAG             | dan      | 1-3 UP |  | 8 00               |           |           |      | 10 0           |                          |                         |                   | 440                     |           |      |     |                            |      |                                       |  |
|                                       | WT. OF STRING      | 25        | 1000<br>dwt | TORQUE           | 212      |        |  |                    |           |           |      |                |                          |                         |                   |                         |           |      |     |                            |      |                                       |  |
|                                       |                    |           |             | FILL             | m        |        |  | MACP               |           |           |      |                |                          |                         |                   |                         |           |      |     | ft. crown saver            |      |                                       |  |
|                                       | DRILLERS SIGNATURE | MYLES LOW |             |                  |          |        |  | MAX HOOKLOAD       |           |           |      | 25             |                          |                         |                   |                         |           |      |     | BOILER#1-127, BOILER#2-138 |      |                                       |  |

|                                                                                                                          |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                                                                               |  |                                 |  |
|--------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|---------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                 |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM                                                            |  | 3<br><b>FUEL @ 08:00 HRS.</b>   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                      |  | RIG <b>144</b> BOILER                                                                                         |  | CM<br>CM<br>CM<br>CM<br>WEATHER |  |
| SURFACE LOCATION .                                                                                                       |  | UNQUE LD : <b>300C496640125450</b>                                                                                         |  |                                                                                                                                                                                                                                                        |  | TEMPERATURE <b>-17</b><br>CONDITIONS <b>SNOWING</b><br>WIND DIRECTION <b>S E</b><br>ROAD CONDITION <b>ICE</b> |  |                                 |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                                                                               |  |                                 |  |

|       |     |                   |                    |       |
|-------|-----|-------------------|--------------------|-------|
| Oppr. | Rkt | YEAR 2003         | MONTH 2            | DAY 6 |
| MP    | CM  | RG NO. 3          |                    |       |
| MP    | CM  | FUEL @ 08:00 HRS. |                    |       |
| MP    | CM  |                   |                    |       |
| MP    | CM  |                   |                    |       |
| MP    | CM  |                   |                    |       |
|       |     | RG 144            | BOILER             |       |
| MP    | CM  | WEATHER           | TEMPERATURE -17    |       |
|       | CM  |                   | CONDITIONS SNOWING |       |
|       | CM  |                   | WIND DIRECTIONS E  |       |
|       | CM  |                   | ROAD CONDITION ICE |       |

## HYDRAULICS SYSTEM

| LAST CASING TUBING OR LINER | O.D. mm |  | MIN. I.D |  | kg/m |  | MAKE |  | GRADE  |  | # OF JOINTS |  | TOTAL (m) |  | KB TO CSG. |  | SET AT (m) |  | SHALE SHAKER(S) |           |        | RENTALS / SERVICES |  |  |  |  |  |  |  |  |  | Morn | Day | Eve |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------|---------|--|----------|--|------|--|------|--|--------|--|-------------|--|-----------|--|------------|--|------------|--|-----------------|-----------|--------|--------------------|--|--|--|--|--|--|--|--|--|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                             |         |  |          |  |      |  |      |  |        |  |             |  |           |  |            |  |            |  | NO. 1           | TYPE KING | TYPE   |                    |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             |         |  |          |  |      |  |      |  |        |  |             |  |           |  |            |  |            |  | CHANGE SCREENS  | YES       | NO     |                    |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             |         |  |          |  |      |  |      |  |        |  |             |  |           |  |            |  |            |  | TOP             | 80140     | TOP    | 140                |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             | 20.84   |  | E        |  | 84   |  | 117  |  | 4"FH   |  | 260         |  | OILWELL   |  | PT-850     |  | 229        |  | MIDDLE          | 80140     | MIDDLE | 140                |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             | 62.45   |  | H.W.D.   |  | 70   |  | 158  |  | 4.5"XH |  | 20          |  | EMSCO     |  | 375        |  | 356        |  | BOTTOM          | 80        | BOTTOM | 80140              |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             | 151.70  |  | D.C      |  | 73   |  | 171  |  | 4.5"XH |  | 20          |  |           |  |            |  |            |  |                 |           |        |                    |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165                         |         |  |          |  |      |  |      |  |        |  |             |  |           |  |            |  |            |  |                 |           |        |                    |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

[illegible]

|     |      |                   |                 |        |         |     |   |
|-----|------|-------------------|-----------------|--------|---------|-----|---|
| Dr. | R.M. | YEAR              | 2003            | MONTH  | 2       | DAY | 6 |
| MP  | CM   | RIG NO.           | 3               |        |         |     |   |
| MP  | CM   | FUEL @ 08:00 HRS. |                 |        |         |     |   |
| MP  | CM   | RIG               | 144             | BOILER | V       |     |   |
| MP  | CM   | WEATHER           | TEMPERATURE     |        | -17     |     |   |
|     | CM   |                   | CONDITIONS      |        | SNOWING |     |   |
|     | CM   |                   | WIND DIRECTIONS |        | E       |     |   |
|     | CM   |                   | ROAD CONDITION  |        | ICE     |     |   |

## ORIENTATION

70A-1 I=AS E A H

POOH AND CHECK BIT \_\_\_\_\_  
RIG SERVICE \_\_\_\_\_  
MAKE UP SHOCK SUB AND R I H W BHA( COLLARS LEANING BAD ) STRAP \_\_\_\_\_



# MORNING SHIFT

LICENCE NO : **WID1934**

WELL NAME AND NO. : **PARA etal NOGHA**

OPERATOR : **PARAMOUNT RESOURCES LTD.**

CONTRACTOR : **WILSON DRILLING LTD.**

SURFACE LOCATION :

UNIQUE LD : **300C496640125450**

OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection  
(2) Detailed Inspection-Weekly (Using Check List )  
(3) H2S Signs Posted( If Required )  
(4) Well License & Stick Diagram Posted  
(5) Flare Lines Staked  
(6) BOP Drills Performed  
(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crow/month)

(2) C.A. O.D.C Rig Safety Inspection Checklist(one/high/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Seaver Checked

(5) Motor Kills Checked

Dr. R.M.

MP CM

MP CM

MP CM

MP CM

MP CM

YEAR 2003

MONTH 2

DAY 5

RIG NO 3

FUEL @ 08:00 HRS.

RIG 172

BOILER

TEMPERATURE -15

CONDITIONS CLEAR

WIND DIRECTION S E

ROAD CONDITION ICE

MILES PYRET

CLINT MAYER

SAFETY TOPIC

LOSS CIRCULATION

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. LD | kg/m         | MAKE             | GRADE       | # OF JOINTS       | TOTAL (m) | KB TO CSG          | SET AT (m)  | SHALE SHAKER(S) |                   |                | RENTALS / SERVICES |             |            |           |                |         |                  |                |       |    |    |    | Morn  | Day   | Eve |  |  |  |
|-----------------------------|------------------|--------------|---------|--------------|------------------|-------------|-------------------|-----------|--------------------|-------------|-----------------|-------------------|----------------|--------------------|-------------|------------|-----------|----------------|---------|------------------|----------------|-------|----|----|----|-------|-------|-----|--|--|--|
|                             |                  |              |         |              |                  |             |                   |           |                    |             | NO 1            | TYPE KING         | TYPE           |                    |             |            |           |                |         |                  |                |       |    |    |    |       |       |     |  |  |  |
|                             |                  |              |         |              |                  |             |                   |           |                    |             | CHANGE SCREENS  |                   |                |                    | BA          | ON         |           |                |         |                  |                |       |    |    |    |       |       |     |  |  |  |
|                             |                  |              |         |              |                  |             |                   |           |                    |             | TOP 80140       | TOP 140           |                |                    |             |            |           |                |         |                  |                |       |    |    |    |       |       |     |  |  |  |
| DC DP SIZE                  | KG / M           | GRADE        | MIN. LD | TOOL JT O.D. | TYPE THREAD      | # OF JOINTS | PUMP MANUFACTURER |           | PUMP TYPE          | STROKE LTH. | MIDDLE 80140    | MIDDLE 140        |                |                    |             |            |           |                |         |                  |                |       |    |    |    |       |       |     |  |  |  |
|                             | 20.84            | E            | 84      | 117          | 4"FH             | 260         | OILWELL           |           | PT-850             | 229         |                 |                   |                |                    |             |            |           |                |         |                  |                |       |    |    |    |       |       |     |  |  |  |
|                             | 62.45            | H.W.D.       | 70      | 158          | 4.5"XH           | 20          | EMSCO             |           | 375                | 356         |                 |                   |                |                    |             |            |           |                |         |                  |                |       |    |    |    |       |       |     |  |  |  |
| 165                         | 151.70           | D.C          | 73      | 171          | 4.5"XH           | 20          |                   |           |                    |             | BOTTOM 80       | BOTTOM 80140      |                |                    |             |            |           |                |         |                  |                |       |    |    |    |       |       |     |  |  |  |
| CODE NO.                    | 1                | 2            | 3       | 4            | 5                | 6           | 7                 | 8         | 9                  | 10          | 11              | 12                | 13             | 14                 | 15          | 16         | 17        | 18             | 19      | 20               | 21             | 22    | 23 | 24 | 25 | 26    | TOTAL |     |  |  |  |
| OPER.                       | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING       | COND MUD & CIRC. | TRIPS       | RIG SERVICE       | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY  | WIRELINE LOGS   | RUN CSG. & CEMENT | WAIT ON CEMENT | HOPE UP S.O.P.     | TEST S.O.P. | DRILL STEM | PLUG BACK | SOUSEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |       |    |    |    |       |       |     |  |  |  |
| MORN                        |                  |              |         |              |                  | 2 75        |                   |           |                    |             |                 |                   |                |                    |             |            |           |                |         |                  |                | 5 25  |    |    |    | 8 00  |       |     |  |  |  |
| DAY                         | 2 75             |              |         |              | 0 75             | 0 75        | 0 25              |           |                    |             |                 |                   |                |                    |             |            |           |                |         |                  |                | 7 50  |    |    |    | 12 00 |       |     |  |  |  |
| EVE                         | 1 25             |              |         |              |                  | 0 25        | 0 25              |           |                    |             |                 |                   |                |                    |             |            |           |                |         |                  |                | 2 25  |    |    |    | 4 00  |       |     |  |  |  |
| TOTAL                       | 4 00             |              |         |              | 0 75             | 3 75        | 0 50              |           |                    |             |                 |                   |                |                    |             |            |           |                |         |                  |                | 15 00 |    |    |    | 24 00 |       |     |  |  |  |

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

BIT NO. 2B

SIZE (mm) 311 0

IADC CODE

MPG. WESTERN

Type 537MX-30

SERIAL NO. V19DC

JETS (mm) O P E N

DEPTH IN (m) 166 00

DEPTH OUT (m)

TOTAL METER 171 00

TOTAL HOURS 28 00

WATER BASED

TIME 300

DENSITY kg/m3 1040

FUNNEL VIS s/l 200

W.L cm/ FILCK

PH 10 0

OIL BASED

700

1020

35

9 5

FROM 337.00

TO

DRILL / REAM/CR.

ROTARY R.P.M.

WT. ON BIT

FROM 0

TO 200

ELAPSED TIME 2.00

CODE 22

TIME DETAIL

PUMP LCM PILL DOWN OPEN HOLE / LET STABILIZE

BUILD VOLUME / MIX PILL / MONITOR FLUID LEVEL IN HOLE

MAKE UP BHA //RIH W /311MMBIT / NO JETS / PU 3 SINGLES / TAG BOTTOM

BUILD VOLUME IN MUD TANKS

MUD MATERIALS USED

TYPE QTY UNITS

GE 40 SX

PRIMA SEAL C 10 SX

SAWDUST 50 SX

POLY - FLAKE 4 SX

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

DEVIATION SURVEY

DEPTH ( m ) DEVIATION DIRECTION

BOILER

HRS. RUN 8 00

PH 10 0

STACK deg 440

MACP

MAX HOOKLOAD 29

DRILLPIPE STANDS 116 72 m

DRILLPIPE SINGLES

KELLY DOWN 5.65 m

TOTAL 337.37 m

W.D.C.

WT. OF STRING 25

DRAG dan

TORQUE

FILL m 0 00

DRILLERS SIGNATURE MYLES LOW

DRILLER SIGNATURE

Notes:

RIG WALK AROUND

BOILER #1-165 , BOILER#2-176

|                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| DAY SHIFT                                                                                                                |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 5                                                                                                    |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                      |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA                                                                                          |  |  |  |  |  |  |  |  |  |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                      |  |  |  |  |  |  |  |  |  | CONTRACTOR : WILSON DRILLING LTD.                                                                                          |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION :                                                                                                       |  |  |  |  |  |  |  |  |  | UNIQUE LD. : 300C496640125450                                                                                              |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  |
| MILES PYRET                                                                                                              |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                |  |  |  |  |  |  |  |  |  |
| SAFETY TOPIC                                                                                                             |  |  |  |  |  |  |  |  |  | LOST CIRCULATION                                                                                                           |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                              |  |  |  |  |  |  |  |  |  | SHAPE SHAKER(S)                                                                                                            |  |  |  |  |  |  |  |  |  |
| DC. DP SIZE                                                                                                              |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                         |  |  |  |  |  |  |  |  |  |
| 102                                                                                                                      |  |  |  |  |  |  |  |  |  | NO 1 TYPE KING                                                                                                             |  |  |  |  |  |  |  |  |  |
| 62.45                                                                                                                    |  |  |  |  |  |  |  |  |  | CHANGE SCREENS                                                                                                             |  |  |  |  |  |  |  |  |  |
| 151.70                                                                                                                   |  |  |  |  |  |  |  |  |  | TOP 80140                                                                                                                  |  |  |  |  |  |  |  |  |  |
| 102                                                                                                                      |  |  |  |  |  |  |  |  |  | MIDDLE 80140                                                                                                               |  |  |  |  |  |  |  |  |  |
| 62.45                                                                                                                    |  |  |  |  |  |  |  |  |  | BOTTOM 80                                                                                                                  |  |  |  |  |  |  |  |  |  |
| 151.70                                                                                                                   |  |  |  |  |  |  |  |  |  | BOTTOM 80140                                                                                                               |  |  |  |  |  |  |  |  |  |
| CODE NO.                                                                                                                 |  |  |  |  |  |  |  |  |  | TOTAL                                                                                                                      |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN                                                                                                   |  |  |  |  |  |  |  |  |  | MORN                                                                                                                       |  |  |  |  |  |  |  |  |  |
| DAY                                                                                                                      |  |  |  |  |  |  |  |  |  | EVE                                                                                                                        |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                    |  |  |  |  |  |  |  |  |  | TOTAL                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DRILLING ASSEMBLY (AT END OF TOUR)                                                                                       |  |  |  |  |  |  |  |  |  | BIT RECORD                                                                                                                 |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                    |  |  |  |  |  |  |  |  |  | MUD RECORD                                                                                                                 |  |  |  |  |  |  |  |  |  |
| BIT NO. 2B                                                                                                               |  |  |  |  |  |  |  |  |  | METERS DRILLED                                                                                                             |  |  |  |  |  |  |  |  |  |
| SIZE (mm) 311 0                                                                                                          |  |  |  |  |  |  |  |  |  | TIME LOG                                                                                                                   |  |  |  |  |  |  |  |  |  |
| IADC CODE                                                                                                                |  |  |  |  |  |  |  |  |  | TIME DETAIL                                                                                                                |  |  |  |  |  |  |  |  |  |
| MFG. WESTERN                                                                                                             |  |  |  |  |  |  |  |  |  | FROM TO DRILL/REAM/CR. ROTARY R.P.M. WT ON BIT                                                                             |  |  |  |  |  |  |  |  |  |
| Type 537MX-30                                                                                                            |  |  |  |  |  |  |  |  |  | Circ. Press (kPa) PUMP NO. 1 PUMP NO. 2                                                                                    |  |  |  |  |  |  |  |  |  |
| SERIAL NO. V19DC                                                                                                         |  |  |  |  |  |  |  |  |  | LINER(mm) SPM LINER(mm) SPM                                                                                                |  |  |  |  |  |  |  |  |  |
| JETS (mm) O P E N                                                                                                        |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED                                                                                                         |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m) 166 00                                                                                                      |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                                                                   |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                            |  |  |  |  |  |  |  |  |  | DESILTER                                                                                                                   |  |  |  |  |  |  |  |  |  |
| TOTAL METER 181 00                                                                                                       |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                 |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS 30 75                                                                                                        |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                            |  |  |  |  |  |  |  |  |  |
| DRILLPIPE STANDS 116 72 m                                                                                                |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                            |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES 9 74 m                                                                                                 |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                            |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 5.65 m                                                                                                        |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                            |  |  |  |  |  |  |  |  |  |
| TOTAL 347.11 m                                                                                                           |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                            |  |  |  |  |  |  |  |  |  |
| W.D.C. 23                                                                                                                |  |  |  |  |  |  |  |  |  | BOILER PH STACK deg                                                                                                        |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 25                                                                                                         |  |  |  |  |  |  |  |  |  | MACP                                                                                                                       |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD                                                                                      |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD 24                                                                                                            |  |  |  |  |  |  |  |  |  |
| DRAG dan                                                                                                                 |  |  |  |  |  |  |  |  |  | CHECK & RESET CROWN SAVER                                                                                                  |  |  |  |  |  |  |  |  |  |
| TORQUE                                                                                                                   |  |  |  |  |  |  |  |  |  | BLOW DOWN BOILERS 4X                                                                                                       |  |  |  |  |  |  |  |  |  |
| FILL m                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |

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|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                        |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO<br><b>WID1934</b>                                                                                              |  | WELL NAME AND NO. :<br><b>PARA etal NOGHA</b>                                                                              |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>212</b> BOILER <b>103</b>                                       |  |
| OPERATOR :<br><b>PARAMOUNT RESOURCES LTD.</b>                                                                             |  | CONTRACTOR<br><b>WILSON DRILLING LTD.</b>                                                                                  |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                        |  | CM<br>CM<br>CM<br>CM                               |  | WEATHER<br>TEMPERATURE <b>-19</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTIONS <b>E</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. :<br><b>300C496640125450</b>                                                                                   |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                        |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                        |  |

# CLINT MAYER

## SAFETY TOPIC

## HOT LINES

| LAST CASING TUBING OR LINER | O.D mm           |              | MIN. I.D |              | kg/m              |             | MAKE              |          | GRADE              |            | # OF JOINTS   |                   | TOTAL (m)      |                 | KB TO CSG.              |             | SET AT (m) |                | SHALE SHAKER(S)     |                  |                   |      | RENTALS / SERVICES |      |    |       |       |  |  |  |  |  | Mon | Day | Eve |  |  |
|-----------------------------|------------------|--------------|----------|--------------|-------------------|-------------|-------------------|----------|--------------------|------------|---------------|-------------------|----------------|-----------------|-------------------------|-------------|------------|----------------|---------------------|------------------|-------------------|------|--------------------|------|----|-------|-------|--|--|--|--|--|-----|-----|-----|--|--|
|                             |                  |              |          |              |                   |             |                   |          |                    |            |               |                   |                |                 |                         |             |            |                | NO 1 TYPE KING TYPE |                  |                   |      |                    |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                  |              |          |              |                   |             |                   |          |                    |            |               |                   |                |                 |                         |             |            |                | CHANGE SCREENS      |                  | YES               |      | ON                 |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                  |              |          |              |                   |             |                   |          |                    |            |               |                   |                |                 |                         |             |            |                |                     |                  | TOP 80140 TOP 140 |      |                    |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
| DC DP SIZE                  | KG / M           | GRADE        | MIN. I.D | TOOL JT O.D. | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER |          |                    |            | PUMP TYPE     |                   | STROKE LTH.    |                 | MIDDLE 80140 MIDDLE 140 |             |            |                |                     |                  |                   |      |                    |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             | 20.84            | E            | 84       | 117          | 4"FH              | 260         | OILWELL           |          |                    |            | PT-850        |                   | 229            |                 |                         |             |            |                |                     |                  |                   |      |                    |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             | 62.45            | H.W.D.       | 70       | 158          | 4.5"XH            | 20          | EMSCO             |          |                    |            | 375           |                   | 356            |                 |                         |             |            |                |                     |                  |                   |      |                    |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
| 165                         | 151.70           | D.C          | 73       | 171          | 4.5"XH            | 20          |                   |          |                    |            |               |                   |                |                 | BOTTOM 80 BOTTOM 80140  |             |            |                |                     |                  |                   |      |                    |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
| CODE NO.                    | 1                | 2            | 3        | 4            | 5                 | 6           | 7                 | 8        | 9                  | 10         | 11            | 12                | 13             | 14              | 15                      | 16          | 17         | 18             | 19                  | 20               | 21                | 22   | 23                 | 24   | 25 | 26    | TOTAL |  |  |  |  |  |     |     |     |  |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REARND   | CORND        | COND. MUD & CIRC. | TRIPS       | RIG SERVICE       | REPAIRND | CUT OFF DRLO. LINE | DEV SURVEY | WIRELINE LOGS | RUN CBL. & CEMENT | WAIT ON CEMENT | HP/PLE UP B.O.P | TEST B.O.P              | DRILL STEIN | PLUG BACK  | SQUEEZE CEMENT | FEHND               | DIRECTIONAL WORK | SAFETY MEETING    |      |                    |      |    |       |       |  |  |  |  |  |     |     |     |  |  |
| MORN                        |                  | 6 75         |          |              |                   |             | 0 25              |          |                    | 1 00       |               |                   |                |                 |                         |             |            |                |                     |                  |                   |      |                    |      |    | 8 00  |       |  |  |  |  |  |     |     |     |  |  |
| DAY                         |                  | 9 50         |          |              |                   |             | 0 25              | 0 25     |                    | 1 00       |               |                   |                |                 |                         |             |            |                |                     |                  |                   | 1 00 |                    |      |    | 12 00 |       |  |  |  |  |  |     |     |     |  |  |
| EVE                         |                  |              |          |              |                   |             | 1 50              | 0 25     |                    |            |               |                   |                |                 |                         |             |            |                |                     |                  |                   |      | 2 25               |      |    | 4 00  |       |  |  |  |  |  |     |     |     |  |  |
| TOTAL                       |                  | 16 25        |          |              |                   |             | 1 75              | 0 75     |                    | 2 00       |               |                   |                |                 |                         |             |            |                |                     |                  |                   | 2 25 |                    | 1 00 |    | 24 00 |       |  |  |  |  |  |     |     |     |  |  |

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|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  |                                                                                                              |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO <b>WID1934</b>                                                                                                 |  | WELL NAME AND NO. <b>PARA etal NOGHA</b>                                                                                     |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines |  | MP CM RIG NO. <b>3</b><br>MP CM<br>MP CM<br>FUEL @ 08:00 HRS.<br>MP CM RIG <b>212</b> BOILER <b>103</b>      |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                      |  | CM<br>CM<br>CM<br>CM<br>WEATHER                                                                              |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE ID <b>300C496640125450</b>                                                                                            |  |                                                                                                                                                                                                                                                      |  | TEMPERATURE <b>-19</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTION <b>S E</b><br>ROAD CONDITION <b>ICE</b> |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                      |  |                                                                                                              |  |

## MIXING CHEMICALS

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D |        | kg/m              |         | MAKE        |              | GRADE              |             | # OF JOINTS    |                   | TOTAL (m)      |                   | KB TO CSG. |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |        |        |       |    |       |  |  |  |  | Morn | Day | Eve |  |  |  |  |
|-----------------------------|------------------|--------------|----------|--------|-------------------|---------|-------------|--------------|--------------------|-------------|----------------|-------------------|----------------|-------------------|------------|------------|------------|----------------|-----------------|------------------|----------------|--------------------|--------|--------|-------|----|-------|--|--|--|--|------|-----|-----|--|--|--|--|
|                             |                  |              |          |        |                   |         |             |              |                    |             |                |                   |                |                   |            |            |            |                | NO. 1           | TYPE KING        | TYPE           |                    |        |        |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |              |                    |             |                |                   |                |                   |            |            |            |                | CHANGE SCREENS  |                  | YES            | NO                 |        |        |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |              |                    |             |                |                   |                |                   |            |            |            |                |                 |                  | TOP            | 80140              | TOP    | 140    |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |              |                    |             |                |                   |                |                   |            |            |            |                |                 |                  | MIDDLE         | 80140              | MIDDLE | 140    |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |              |                    |             |                |                   |                |                   |            |            |            |                |                 |                  |                | BOTTOM             | 80     | BOTTOM | 80140 |    |       |  |  |  |  |      |     |     |  |  |  |  |
| DC - DP SIZE                |                  | KG / M       |          | GRADE  |                   | MIN. ID |             | TOOL JT O.D. |                    | TYPE THREAD |                | # OF JOINTS       |                | PUMP MANUFACTURER |            | PUMP TYPE  |            | STROKE LTH.    |                 |                  |                |                    |        |        |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
|                             |                  | 20.84        |          | E      |                   | 84      |             | 117          |                    | 4"FH        |                | 260               |                | OILWELL           |            | PT-850     |            | 229            |                 |                  |                |                    |        |        |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
|                             |                  | 62.45        |          | H.W.D. |                   | 70      |             | 158          |                    | 4.5"XH      |                | 20                |                | EMSCO             |            | 375        |            | 356            |                 |                  |                |                    |        |        |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
| 165                         |                  | 151.70       |          | D.C    |                   | 73      |             | 171          |                    | 4.5"XH      |                | 20                |                |                   |            |            |            |                |                 |                  |                |                    |        |        |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
| CODE NO.:                   | 1                | 2            | 3        | 4      | 5                 | 6       | 7           | 8            | 9                  | 10          | 11             | 12                | 13             | 14                | 15         | 16         | 17         | 18             | 19              | 20               | 21             | 22                 | 23     | 24     | 25    | 26 | TOTAL |  |  |  |  |      |     |     |  |  |  |  |
| OPER.                       | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORROD | COND. BUD & CIRC. | TRIPS   | RRG SERVICE | REPAIRING    | CUT OFF DRLO. LINE | DEY SURVEY  | WIRESLINE LOGS | RUN CSGL & CEMENT | WAIT ON CEMENT | KIPPLE UP B.O.P   | TEST B.O.P | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING |                    |        |        |       |    |       |  |  |  |  |      |     |     |  |  |  |  |
| MORN                        |                  | 6 75         |          |        |                   |         | 0 25        |              |                    | 1 00        |                |                   |                |                   |            |            |            |                |                 |                  |                |                    |        |        |       |    | 8 00  |  |  |  |  |      |     |     |  |  |  |  |
| DAY                         |                  | 9 50         |          |        |                   |         | 0 25        | 0 25         |                    | 1 00        |                |                   |                |                   |            |            |            |                |                 |                  |                | 1 00               |        |        |       |    | 12 00 |  |  |  |  |      |     |     |  |  |  |  |
| EVE                         |                  |              |          |        |                   |         | 1 50        | 0 25         |                    |             |                |                   |                |                   |            |            |            |                |                 |                  |                | 2.25               |        |        |       |    | 4 00  |  |  |  |  |      |     |     |  |  |  |  |
| TOTAL                       |                  | 16 25        |          |        |                   |         | 1 75        | 0 75         |                    | 2 00        |                |                   |                |                   |            |            |            |                |                 |                  |                | 2 25               |        | 1 00   |       |    | 24 00 |  |  |  |  |      |     |     |  |  |  |  |

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| EVENING SHIFT                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | LICENCE NO. WID1934                                                                                                           |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA               |  |  |  |  |  |  |  |  |  | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted (If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines<br>(1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A. O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked |  |  |  |  |  |  |  |  |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM |  |  |  |  |  |  |  |  |  | RIG NO. 3<br>FUEL @ 08:00 HRS.<br>RIG 212 BOILER 103<br>TEMPERATURE -19<br>CONDITIONS CLOUDY<br>WIND DIRECTION S E<br>ROAD CONDITION ICE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | CONTRACTOR : WILSON DRILLING LTD.                                                                                             |  |  |  |  |  |  |  |  |  | UNIQUE ID : 300C496640125450                    |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION :                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE - ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |  |  |  |  |  |  |  |  | SAFETY TOPIC                                    |  |  |  |  |  |  |  |  |  | DIR. WORK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MILES PYRET                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | O.D. mm MIN. LD kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                                   |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S) NO. 1 TYPE KING TYPE            |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | Morn Day Eve                                       |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. ID TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | CHANGE SCREENS                                                                                                                |  |  |  |  |  |  |  |  |  | TOP 80140 TOP 140                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20.84 E 84 117 4"FH 260 OILWELL PT-850 229                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | MIDDLE 80140 MIDDLE 140                                                                                                       |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 62.45 H.W.D 70 158 4.5"XH 20 EMSCO 375 356                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | BOTTOM 80 BOTTOM 80140                                                                                                        |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPER. GROUPS TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CSG. TRIPS RB SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOSS RUN CSG. & CEMENT WAIT ON CEMENT HIPPLE UP B.D.P. TEST B.D.P. DRILL STEER PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MORN 6 75 0 25 0.25 1 00                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DAY 9 50 0 25 0.25 1 00                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EVE 1 50 0.25                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL 16 25 1 75 0 75 2 00                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 BIT BELLS O.D. mm 0 30 m BIT NO 2B                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED                                                                                                         |  |  |  |  |  |  |  |  |  | FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT ON BIT |  |  |  |  |  |  |  |  |  | FROM TO ELAPSED TIME CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 MOTOR 203 9.53 m SIZE (mm) 311 0                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | TIME                                                                                                                          |  |  |  |  |  |  |  |  |  | 337 00                                          |  |  |  |  |  |  |  |  |  | 2000 2015 0.25 7 RIG SERVICE /FT. HYDRIL / CLOSE 17 SEC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 D.C 229 9 41 m                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | DENSITY kg/m3                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  | 2015 2145 1.50 6 TRIP OUT OF HOLE W / DIRECTIONAL TOOLS                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 HANG OFF 226 1 96 m                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | FUNNEL VIS s/l                                                                                                                |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  | 2145 2400 2.25 20 LAY DOWN MWD TOOLS /MUD MOTOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 D.C 229 9 41 m                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | W L cm/ FLCK                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 BELL SUB 219 0 70 m                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | PH                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 D.C 165 137 92 m                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | Circ. Press (kPa)                                                                                                             |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H.W.D.P 158 75 18 m                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | PUMP NO. 1 PUMP NO. 2                                                                                                         |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X.O. 152 0 39 m                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | LINER(mm) SPM LINER(mm) SPM                                                                                                   |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED                                                                                                            |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | @ 10 @                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED                                                                                                            |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | TYPE QTY UNITS                                                                                                                |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                                                                      |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | DESILTER                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY                                                                                                              |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | DEPTH ( m ) DEVIATION DIRECTION                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                                                                                  |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | 8 00 10 0 450                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | MACP 0                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD 26                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 4.55 m                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL 337.00 m                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D.C. 28 1000                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | DRAG dan                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | TORQUE                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 30 1000                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | FILL m                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MYLES LOW                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



LICENCE NO. : **WID1934**

**PARA et al NOGHA**

**OPERATOR :**

**PARAMOUNT RESOURCES LTD.****CONTRACTOR:**

**WILSON DRILLING LTD.**

**SURFACE LOCATION :**

**UNIQUE I.D. :**

300C496640125450

**OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)**

CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)

# MILES PYRET

# CLINT MAYER

## SAFETY TOPIC

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D |        | kg/m              |         | MAKE        |               | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                   | KB TO CSG.  |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                |              | RENTALS / SERVICES |    |    |       |       |  |  |  |  |  | Morn | Day | Eve |  |  |
|-----------------------------|------------------|--------------|----------|--------|-------------------|---------|-------------|---------------|--------------------|-------------|---------------|-------------------|----------------|-------------------|-------------|------------|------------|----------------|-----------------|------------------|----------------|--------------|--------------------|----|----|-------|-------|--|--|--|--|--|------|-----|-----|--|--|
|                             |                  |              |          |        |                   |         |             |               |                    |             |               |                   |                |                   |             |            |            |                | NO. 1           |                  | TYPE KING      |              | TYPE               |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
|                             |                  |              |          |        |                   |         |             |               |                    |             |               |                   |                |                   |             |            |            |                | CHANGE SCREENS  |                  | YES            |              | NO                 |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
|                             |                  |              |          |        |                   |         |             |               |                    |             |               |                   |                |                   |             |            |            |                |                 |                  |                |              |                    |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
| DC . DP SIZE                |                  | KG / M       |          | GRADE  |                   | MIN. ID |             | TOOL JT. O.D. |                    | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER |             | PUMP TYPE  |            | STROKE LTH.    |                 | TOP 80140        |                | TOP 140      |                    |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
|                             |                  | 20.84        |          | E      |                   | 84      |             | 117           |                    | 4"FH        |               | 260               |                | OILWELL           |             | PT-850     |            | 229            |                 | MIDDLE 80140     |                | MIDDLE 140   |                    |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
|                             |                  | 62.45        |          | H.W.D. |                   | 70      |             | 158           |                    | 4.5"XH      |               | 20                |                | EMSCO             |             | 375        |            | 356            |                 | BOTTOM 80        |                | BOTTOM 80140 |                    |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
| 165                         |                  | 151.70       |          | D.C    |                   | 73      |             | 171           |                    | 4.5"XH      |               | 20                |                |                   |             |            |            |                |                 |                  |                |              |                    |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
| CODE NO.                    | 1                | 2            | 3        | 4      | 5                 | 6       | 7           | 8             | 9                  | 10          | 11            | 12                | 13             | 14                | 15          | 16         | 17         | 18             | 19              | 20               | 21             | 22           | 23                 | 24 | 25 | 26    | TOTAL |  |  |  |  |  |      |     |     |  |  |
| OPER.                       | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING | COND. MUD & CIRC. | TRIPS   | RIG SERVICE | REPAIR/RIG    | CUT OFF DRLO. LINE | DEV. SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | HIPPLE UP B.O.P   | TEST B.O.P. | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FEHRING         | DIRECTIONAL WORK | SAFETY MEETING | OTHER        |                    |    |    |       |       |  |  |  |  |  |      |     |     |  |  |
| MORN                        |                  |              |          |        | 1.00              | 2.75    |             |               |                    |             |               |                   |                |                   |             |            |            |                |                 | 4.25             |                |              |                    |    |    | 8.00  |       |  |  |  |  |  |      |     |     |  |  |
| DAY                         |                  | 9.50         |          |        |                   |         | 0.25        |               |                    | 1.75        |               |                   |                |                   |             |            |            |                |                 |                  | 0.50           |              |                    |    |    | 12.00 |       |  |  |  |  |  |      |     |     |  |  |
| EVE                         |                  | 3.25         |          |        |                   |         |             |               |                    | 0.75        |               |                   |                |                   |             |            |            |                |                 |                  |                |              |                    |    |    | 4.00  |       |  |  |  |  |  |      |     |     |  |  |
| TOTAL                       |                  | 12.75        |          |        | 1.00              | 2.75    | 0.25        |               |                    | 2.50        |               |                   |                |                   |             |            |            |                |                 | 4.25             |                | 0.50         |                    |    |    | 24.00 |       |  |  |  |  |  |      |     |     |  |  |

[illegible]



|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                           |  |                                                                                                                       |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                   |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS. .</b><br>RIG <b>84</b> BOILER                                                |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                        |  |                                           |  |                                                                                                                       |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. <b>300C496640125450</b>                                                                                          |  |                                                                                                                                                                                                                                                        |  |                                           |  |                                                                                                                       |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | (1) Rig Site Health and Safety Meeting (once/crow/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(once/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                      |  | CM<br>CM<br>CM<br>CM                      |  | WEATHER<br>TEMPERATURE <b>-28</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTIONS <b>E</b><br>ROAD CONDITION <b>ICE</b> |  |

|      |      |                   |                    |        |   |      |   |
|------|------|-------------------|--------------------|--------|---|------|---|
| TYPE | FUEL | YEAR              | 2003               | SERIAL | 2 | UNIT | 3 |
| MP   | CM   | RIG NO.           | 3                  |        |   |      |   |
| MP   | CM   | FUEL @ 08:00 HRS. |                    |        |   |      |   |
| MP   | CM   |                   |                    |        |   |      |   |
| MP   | CM   |                   |                    |        |   |      |   |
| MP   | CM   | RIG               | 84                 | BOILER |   |      |   |
| MP   | CM   | WEATHER           | TEMPERATURE -28    |        |   |      |   |
| CM   | CM   |                   | CONDITIONS CLEAR   |        |   |      |   |
| CM   | CM   |                   | WIND DIRECTIONS E  |        |   |      |   |
| CM   | CM   |                   | ROAD CONDITION ICE |        |   |      |   |

| MILES PYRET                 |                  |              |          |        |                   |       |            |           |                    | CLINT MAYER |               |                   |                |                 |                   |            |            |                |                     | SAFETY TOPIC     |                         |                     |    |    | DIRECTIONAL TOOLS |       |       |  |  |  |  |     |     |     |  |  |  |
|-----------------------------|------------------|--------------|----------|--------|-------------------|-------|------------|-----------|--------------------|-------------|---------------|-------------------|----------------|-----------------|-------------------|------------|------------|----------------|---------------------|------------------|-------------------------|---------------------|----|----|-------------------|-------|-------|--|--|--|--|-----|-----|-----|--|--|--|
| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D |        | kg/m              |       | MAKE       |           | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                 | KB TO CSG.        |            | SET AT (m) |                | SHALE SHAKER(S)     |                  |                         | RENTALS / SERVICES. |    |    |                   |       |       |  |  |  |  | Mon | Day | Eve |  |  |  |
|                             |                  |              |          |        |                   |       |            |           |                    |             |               |                   |                |                 |                   |            |            |                | NO 1 TYPE KING TYPE |                  |                         |                     |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
|                             |                  |              |          |        |                   |       |            |           |                    |             |               |                   |                |                 |                   |            |            |                | CHANGE SCREENS      |                  |                         | YES NO              |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
|                             |                  |              |          |        |                   |       |            |           |                    |             |               |                   |                |                 |                   |            |            |                |                     |                  | TOP 80140 TOP 140       |                     |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
| DC                          | DP SIZE          |              | KG / M   |        | GRADE             |       | MIN. ID    |           | TOOL JT O.D.       |             | TYPE THREAD   |                   | # OF JOINTS    |                 | PUMP MANUFACTURER |            | PUMP TYPE  |                | STROKE LTH.         |                  | MIDDLE 80140 MIDDLE 140 |                     |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
|                             | 20.84            |              | E        |        | 84                |       | 117        |           | 4"FH               |             | 260           |                   | OILWELL        |                 | PT-850            |            | 229        |                |                     |                  |                         |                     |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
| 114                         | 62.45            |              | H.W.D.   |        | 70                |       | 158        |           | 4.5"XH             |             | 20            |                   | EMSCO          |                 | 375               |            | 356        |                |                     |                  | BOTTOM 80 BOTTOM 80140  |                     |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
| 165                         | 151.70           |              | D.C      |        | 73                |       | 171        |           | 4.5"XH             |             | 20            |                   |                |                 |                   |            |            |                |                     |                  |                         |                     |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
| CODE NO.                    | 1                | 2            | 3        | 4      | 5                 | 6     | 7          | 8         | 9                  | 10          | 11            | 12                | 13             | 14              | 15                | 16         | 17         | 18             | 19                  | 20               | 21                      | 22                  | 23 | 24 | 25                | 26    | TOTAL |  |  |  |  |     |     |     |  |  |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING | COND. END & CIRC. | TRIPS | RD SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY  | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | NIPPLE UP S.O.P | TEST S.O.P        | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING             | DIRECTIONAL WORK | SAFETY MEETING          | OTHER               |    |    |                   |       |       |  |  |  |  |     |     |     |  |  |  |
| NOON                        |                  |              |          |        | 1 00              | 2 75  |            |           |                    |             |               |                   |                |                 |                   |            |            |                |                     | 4 25             |                         |                     |    |    |                   | 8 00  |       |  |  |  |  |     |     |     |  |  |  |
| DAY                         |                  | 9 50         |          |        |                   |       | 0 25       |           |                    |             | 1 75          |                   |                |                 |                   |            |            |                |                     |                  |                         | 0 50                |    |    |                   | 12 00 |       |  |  |  |  |     |     |     |  |  |  |
| EVE                         |                  | 3 25         |          |        |                   |       |            |           |                    |             | 0 75          |                   |                |                 |                   |            |            |                |                     |                  |                         |                     |    |    |                   | 4 00  |       |  |  |  |  |     |     |     |  |  |  |
| TOTAL                       |                  | 12 75        |          |        | 1 00              | 2 75  | 0 25       |           |                    |             | 2 50          |                   |                |                 |                   |            |            |                |                     | 4.25             |                         | 0 50                |    |    |                   | 24 00 |       |  |  |  |  |     |     |     |  |  |  |

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |                   |          |        | BIT RECORD |                    |            |  | MUD RECORD        |       |           |       | METERS DRILLED                  |        |                    |                  | TIME LOG  |      |      |                 | TIME DETAIL |                                                              |  |  |
|---------------------------------------|-------------------|----------|--------|------------|--------------------|------------|--|-------------------|-------|-----------|-------|---------------------------------|--------|--------------------|------------------|-----------|------|------|-----------------|-------------|--------------------------------------------------------------|--|--|
| NO.                                   | BIT/HELLS         | O.D.(mm) |        | BIT NO.    | 2B                 |            |  | WATER BASED       | X     | OIL BASED |       | FROM                            | TO     | DRILL/<br>REAM/CR. | ROTARY<br>R.P.M. | WT ON BIT | FROM | TO   | ELAPSED<br>TIME | CODE        |                                                              |  |  |
| 1                                     | MOTOR             | 203      | 9 53   | m          | SIZE (mm)          | 311 0      |  | TIME              | 830   | 1230      | 1630  | 166.00                          | 231.00 | D                  | 25               | 10        | 800  | 1200 | 4.00            | 2           | DRILL F/166M - 191M                                          |  |  |
| 1                                     | D C               | 229      | 9 41   | m          | IADC CODE          |            |  | DENSITY<br>kg/m3  | 1070  | 1080      | 1090  |                                 |        |                    |                  |           | 1200 | 1215 | 0.25            | 7           | RIG SERVICE F/T HCR 3 SECS. T/O                              |  |  |
| 1                                     | HANG OFF          | 226      | 1 96   | m          | WFG.               | WESTERN    |  | FUNNEL<br>VIS s/l | 53    | 53        | 55    |                                 |        |                    |                  |           | 1215 | 1345 | 1.50            | 2           | DRILL F/191M - 201M                                          |  |  |
| 1                                     | D C               | 229      | 9 41   | m          | Type               | 537MX-30   |  | W L cm/<br>FILCK  |       |           |       |                                 |        |                    |                  |           | 1345 | 1415 | 0.50            | 22          | INSTALL CAMERON WEIGHT INDICATOR,CHANGE OUT PRESSURE RELIEVE |  |  |
| 1                                     | BELL SUB          | 219      | 0 70   | m          | SERIAL NO.         | V19DC      |  | PH                | 11 0  | 11 0      | 11 0  |                                 |        |                    |                  |           |      |      |                 |             | VALVE ON DRAWWORKS AIR TANK & TAKE OUT PUMP SUCTION          |  |  |
| 1                                     | D C               | 165      | 137 92 | m          | JETS (mm)          | 14,114,114 |  | PVT               | 46.10 | 40 00     | 39 70 |                                 |        |                    |                  |           |      |      |                 |             | SCREEN TO PATTERN FOR NEW SCREEN & RE-INSTALL                |  |  |
|                                       | H W D P           | 158      | 56 39  | m          | MUD MATERIALS USED |            |  |                   |       |           |       | REDUCED PUMP SPEED              |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | DEPTH IN (m)       | 166 00     |  | TYPE QTY UNITS    |       |           |       | SOLIDS CONTROL EQUIPMENT        |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | DEPTH OUT (m)      |            |  | GEL DESCO         | 21    |           | SX    | DESILTER                        |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | TOTAL METER        | 65 00      |  |                   | 1     |           | SX    | CENTRIFUGE                      |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | TOTAL HOURS        | 9.50       |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       | DRILLPIPE STANDS  |          |        | m          | INNER              |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       | DRILLPIPE SINGLES |          |        | m          | OUTER              |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | BULL               |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | LOCATION           |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | BEARINGS           |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | GAGE(mm)           |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | OTHER              |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | REASON             |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | R.O.P              |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | DEVIATION SURVEY   |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          | DEPTH (m)          |            |  | DEVIATION         |       | DIRECTION |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        | m          |                    |            |  |                   |       |           |       | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  |           |      |      |                 |             |                                                              |  |  |
|                                       |                   |          |        |            |                    |            |  |                   |       |           |       |                                 |        |                    |                  |           |      |      |                 |             |                                                              |  |  |



|                              |                                           |
|------------------------------|-------------------------------------------|
| LICENCE NO. : <b>WID1934</b> | WELL NAME AND NO : <b>PARA etal NOGHA</b> |
|------------------------------|-------------------------------------------|

CONTRACTOR: **WILSON DRILLING LTD.**

UNIQUE I.D. : 300C496640125450

**CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)**

# CLINT MAYER

**DIR WORK**

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D | kg/m   | MAKE              | GRADE  | # OF JOINTS | TOTAL (m) | KB TO CSG.         | SET AT (m)  | SHALE SHAKER(S) |                   |                | RENTALS / SERVICES |            |             |           |                |         |                  |                |       |    |    |    | Mom | Day   | Eve |  |  |
|-----------------------------|------------------|--------------|----------|--------|-------------------|--------|-------------|-----------|--------------------|-------------|-----------------|-------------------|----------------|--------------------|------------|-------------|-----------|----------------|---------|------------------|----------------|-------|----|----|----|-----|-------|-----|--|--|
|                             |                  |              |          |        |                   |        |             |           |                    |             | NO. 1           | TYPE KING         | TYPE           |                    |            |             |           |                |         |                  |                |       |    |    |    |     |       |     |  |  |
|                             |                  |              |          |        |                   |        |             |           |                    |             | CHANGE SCREENS  |                   |                | SEA                | ON         |             |           |                |         |                  |                |       |    |    |    |     |       |     |  |  |
|                             |                  |              |          |        |                   |        |             |           |                    |             | TOP             | 80140             | TOP            | 140                |            |             |           |                |         |                  |                |       |    |    |    |     |       |     |  |  |
| 3                           | 20.84            | F            | 84       | 117    |                   | 4"FH   | 260         | OILWELL   |                    | PT-850      | 229             | MIDDLE            | 80140          | MIDDLE             | 140        |             |           |                |         |                  |                |       |    |    |    |     |       |     |  |  |
| 4                           | 62.45            | H.W.D.       | 70       | 158    |                   | 4.5"XH | 20          | EMSCO     |                    | 375         | 356             | BOTTOM            | 80             | BOTTOM             | 80140      |             |           |                |         |                  |                |       |    |    |    |     |       |     |  |  |
| 165                         | 151.70           | D.C          | 73       | 171    |                   | 4.5"XH | 20          |           |                    |             |                 |                   |                |                    |            |             |           |                |         |                  |                |       |    |    |    |     |       |     |  |  |
| CODE NO.:                   | 1                | 2            | 3        | 4      | 5                 | 6      | 7           | 8         | 9                  | 10          | 11              | 12                | 13             | 14                 | 15         | 16          | 17        | 18             | 19      | 20               | 21             | 22    | 23 | 24 | 25 | 26  | TOTAL |     |  |  |
| OPER.                       | GROUP A TEARDOWN | DRILL ACTUAL | REARING  | CORING | COND. MUD & CIRC. | TRIPS  | RD SERVICE  | REPAIR RD | CUT OFF DRLO. LINE | DEV. SURVEY | WIRELINE LOGS   | RUN CGL. & CEMENT | WAIT ON CEMENT | HOPIE UP B.O.P     | TEST B.O.P | DRILL STEER | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING | OTHER |    |    |    |     |       |     |  |  |
| MORN                        |                  |              |          |        | 1 00              | 2 75   |             |           |                    |             |                 |                   |                |                    |            |             |           |                |         | 4 25             |                |       |    |    |    |     | 8 00  |     |  |  |
| DAY                         |                  | 9 50         |          |        |                   |        | 0 25        |           |                    | 1 75        |                 |                   |                |                    |            |             |           |                |         |                  |                | 0 50  |    |    |    |     | 12 00 |     |  |  |
| EVE                         |                  | 3.25         |          |        |                   |        |             |           |                    | 0 75        |                 |                   |                |                    |            |             |           |                |         |                  |                |       |    |    |    |     | 4 00  |     |  |  |
| TOTAL                       |                  | 12 75        |          |        | 1 00              | 2 75   | 0.25        |           |                    | 2 50        |                 |                   |                |                    |            |             |           |                |         | 4 25             |                | 0 50  |    |    |    |     | 24 00 |     |  |  |

[illegible]

|                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| MORNING SHIFT<br>LICENCE NO. <b>WID1934</b> WELL NAME AND NO.: <b>PARA etal NOGHA</b>                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | CONTRACTOR: <b>WILSON DRILLING LTD.</b>                                                                                   |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 2<br>RG NO 3<br>FUEL @ 08:00 HRS.<br>RG 110 BOILER                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |
| OPERATOR: <b>PARAMOUNT RESOURCES LTD.</b>                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | UNIQUE I.D.: <b>300C496640125450</b>                                                                                      |  |  |  |  |  |  |  |  |  | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted (If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines<br>(1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A. O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kils Checked |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION:                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  | WEATHER<br>TEMPERATURE -30<br>CONDITIONS CLOUDY<br>WIND DIRECTION S.E.<br>ROAD CONDITION ICE                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                               |  |  |  |  |  |  |  |  |  | SAFETY TOPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| MILES PYRET                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                               |  |  |  |  |  |  |  |  |  | SAFETY TOPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | O.D. mm MIN. I.D. kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                             |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S)<br>NO 1 TYPE KING TYPE<br>CHANGE SCREENS YES NO<br>TOP 80140 TOP 140<br>MIDDLE 80140 MIDDLE 140<br>BOTTOM 80 BOTTOM 80140                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. ID TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                        |  |  |  |  |  |  |  |  |  | Morn Day Eve                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 102 20.84 E 84 117 4"FH 260 OILWELL PT-850 229<br>62.45 H.W.D 70 158 4.5"XH 20 EMSCO 375 356<br>151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. BRD & CRCL TRIPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOGS RUN COIL & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEPS PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| MORN 7 50 0.25 0.25                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 8 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| DAY 5 50 0.50 4 00 0.25 0.25                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 1 50 12 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| EVE 2 50 1 50                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 4 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| TOTAL 13 00 0.50 6 50 0.50 0.50                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 1 50 1 50 24 00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 BIT SIZES O.D. mm 0 30 m BIT NO 1B                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED                                                                                                     |  |  |  |  |  |  |  |  |  | FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT ON BIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 DOG SUB 311 0 39 m SIZE (mm) 311 0                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | TIME 130 430                                                                                                              |  |  |  |  |  |  |  |  |  | 0 15 0.25 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| 1 MOTOR 203 9 53 m                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | DENSITY 1050 1060                                                                                                         |  |  |  |  |  |  |  |  |  | 15 415 4.00 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |
| 1 D.C. 219 9 02 m IADC CODE                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | FUNNEL 55 64                                                                                                              |  |  |  |  |  |  |  |  |  | 415 430 0.25 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 SHOCK SUB 222 3 98 m MFG. VAREL                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | W.L. cm/ FLCK                                                                                                             |  |  |  |  |  |  |  |  |  | 430 800 3.50 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 1 D.C. 219 8 81 m Type ETD 44                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | PH 11 5 11 5                                                                                                              |  |  |  |  |  |  |  |  |  | 800                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 1 BELL SUB 219 0 70 m SERIAL NO 152979                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 X.O 152 0 39 m JETS (mm) 14 14 14                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| D.C 165 103 15 m DEPTH IN (m) 60 00                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | TYPE QTY UNITS                                                                                                            |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | GE 50 SX                                                                                                                  |  |  |  |  |  |  |  |  |  | DESILTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | SAWDUST 35 SX                                                                                                             |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | PRIMA SEAL M 5 SX                                                                                                         |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | CELLOPHANE 1 SX                                                                                                           |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| DRILLPIPE STANDS m TOTAL METER 29 00                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES m TOTAL HOURS 10 75                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 12.85 m                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| TOTAL 149.12 m                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | DEPTH (m) DEVIATION DIRECTION                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| W.D.C. 1000 dwt DRAG DAN                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                                                                              |  |  |  |  |  |  |  |  |  | Notes: RIG WALK AROUND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 1000 dwt TORQUE                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | 8 00 10 0 420                                                                                                             |  |  |  |  |  |  |  |  |  | FT. CROWN SAVER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MYLES LOW                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | MACP                                                                                                                      |  |  |  |  |  |  |  |  |  | BOILER 1- 184 BOILER 2-180                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |

|                                            |  |                                                   |  |                                                                                                                                                                                                                                                              |  |                                           |  |                                                                                |  |
|--------------------------------------------|--|---------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|--------------------------------------------------------------------------------|--|
| LICENCE NO : <b>WID1934</b>                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b> |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines       |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | 3<br><b>FUEL @ 08:00 HRS</b><br>RQ 201 BOILER                                  |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b> |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>          |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                              |  | CM<br>CM<br>CM<br>CM<br>CM                |  | TEMPERATURE -32<br>CONDITIONS CLEAR<br>WIND DIRECTIONS E<br>ROAD CONDITION ICE |  |
| SURFACE LOCATION :                         |  | UNIQUE I.D. : <b>300C496640125450</b>             |  | OPERATORS REPRESENTATIVE - ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY )<br>CONTRACTORS REPRESENTATIVE - ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |                                           |  |                                                                                |  |

| YUGON HOPE                          |                  |              |         |               |                   |             |             |                   |                    | CLINT MAYER    |                |                   |                |                 |            |                |               |                |                 | SAFETY TOPIC           |                |                    |    |    | TEAR OUT |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|-------------------------------------|------------------|--------------|---------|---------------|-------------------|-------------|-------------|-------------------|--------------------|----------------|----------------|-------------------|----------------|-----------------|------------|----------------|---------------|----------------|-----------------|------------------------|----------------|--------------------|----|----|----------|-------|-------|--|--|------------------------------------------------------|--|-----|-----|-----|--|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|
| LAST CASING TURNING OR LINER        | O.D mm           |              | MIN. LD |               | kg/m              |             | MAKE        |                   | GRADE              |                | # OF JOINTS    |                   | TOTAL (m)      |                 | KB TO CSG. |                | SET AT (m)    |                | SHALE SHAKER(S) |                        |                | RENTALS / SERVICES |    |    |          |       |       |  |  |                                                      |  | Mon | Day | Eve |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     | 244 5            |              | 224 4   |               | 59 53             |             | Ipsco       |                   | I-80               |                | 38             |                   | 509 38         |                 | 5 00       |                | 509 00        |                | NO 1            | TYPE KING COBRA        | TYPE           |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DC                                  | DP SIZE          | KG / M       | GRADE   | MIN. ID       | TOOL JT. O.D.     | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER |                    | PUMP TYPE      |                | STROKE LTH.       |                | TOP 80140       |            | TOP 110        |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 102                                 |                  | 20.84        | E       | 84            | 117               | 4"FH        | 208         | OILWELL           |                    | PT-850         |                | 229               |                | MIDDLE 80140    |            | MIDDLE 110     |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 14                                  |                  | 62.45        | H.W.D.  | 70            | 158               | 4.5"XH      | 20          | EMSCO             |                    | 375            |                | 356               |                | BOTTOM 110      |            | BOTTOM 175     |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 85                                  |                  | 151.70       | D.C     | 73            | 171               | 4.5"XH      | 20          |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| CODE NO.                            | 1                | 2            | 3       | 4             | 5                 | 6           | 7           | 8                 | 9                  | 10             | 11             | 12                | 13             | 14              | 15         | 16             | 17            | 18             | 19              | 20                     | 21             | 22                 | 23 | 24 | 25       | 25    | TOTAL |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| OPER.                               | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING        | COND. MUD & CIRC. | TRIPS       | RIG SERVICE | REPAIRING         | CUT OFF DRILL LINE | DEV SURVEY     | WIREDLINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | HUPPLE UP B.O.P | TEST B.O.P | DRILL STEM     | PLUG BACK     | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK       | SAFETY MEETING |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| MORN                                |                  |              |         |               | 1 25              |             | 0 25        |                   |                    |                |                | 6 25              |                |                 |            |                |               |                |                 |                        | 0 25           |                    |    |    |          | 8 00  |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DAY                                 | 7 50             |              |         |               | 1 75              |             | 0 25        |                   |                    |                |                | 2 25              |                |                 |            |                |               |                |                 |                        | 0 25           |                    |    |    |          | 12 00 |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| EVE                                 | 4 00             |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          | 4 00  |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| TOTAL                               | 11 50            |              |         |               | 3 00              |             | 0 50        |                   |                    |                |                | 8 50              |                |                 |            |                |               |                |                 |                        | 0 50           |                    |    |    |          | 24 00 |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DRILLING ASSEMBLY (AT END OF TOUR)  |                  |              |         |               |                   |             |             |                   |                    | BIT RECORD     |                |                   |                |                 |            |                |               |                |                 | MUD RECORD             |                |                    |    |    |          |       |       |  |  | METERS DRILLED                                       |  |     |     |     |  |  |  |  |  | TIME LOG |  |  |  |  |  |  |  |  |  | TIME DETAIL |  |  |  |  |  |  |  |  |  |
| NO.                                 | BIT/MILLS        | O.D. mm      | m       | BIT NO.       |                   |             | WATER BASED | OIL BASED         |                    | TIME           |                |                   |                | FROM            | TO         | DRILL/REAM/CR. | ROTARY R.P.M. | WT ON BIT      | FROM            | TO                     | ELAPSED TIME   | CODE               |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | SIZE (mm)     |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                | 2000            | 2400                   | 4.00           | 1                  |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | IADC CODE     |                   |             |             |                   |                    | DENSITY kg/m3  |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | MFG.          |                   |             |             |                   |                    | FUNNEL VIS s/l |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | Type          |                   |             |             |                   |                    | W.L. cm/       |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | SERIAL NO     |                   |             |             |                   |                    | FILCK          |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | JETS (mm)     |                   |             |             |                   |                    | PH             |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | DEPTH IN (m)  |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | DEPTH OUT (m) |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | TOTAL METER   |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         | TOTAL HOURS   |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DRILLPIPE                           | STANDS           |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DRILLPIPE                           | SINGLES          |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                          |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| TOTAL                               |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| OF D.C.                             |                  |              |         |               | 1000              | DRAG dan    |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                       |                  |              |         |               | 1000              | TORQUE      |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         |               | 1000              | FILL m      |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 |                        |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 | BOILER PH STACK deg    |                |                    |    |    |          |       |       |  |  | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 | HRS. RUN 8 00 11 0 430 |                |                    |    |    |          |       |       |  |  | BLOW DOWN BOILERS 2X                                 |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 | MACP                   |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                     |                  |              |         |               |                   |             |             |                   |                    |                |                |                   |                |                 |            |                |               |                |                 | MAX HOOKLOAD           |                |                    |    |    |          |       |       |  |  |                                                      |  |     |     |     |  |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |

|                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| MORNING SHIFT                                                                                                             |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 1 DAY 1                                                                                                      |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                       |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA P C-49                                                                                     |  |  |  |  |  |  |  |  |  |
| OPERATOR. PARAMOUNT RESOURCES LTD.                                                                                        |  |  |  |  |  |  |  |  |  | CONTRACTOR: WILSON DRILLING LTD.                                                                                             |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION :                                                                                                        |  |  |  |  |  |  |  |  |  | UNIQUE ID 300C496640125450                                                                                                   |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  |
| YUGON HOPE                                                                                                                |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                  |  |  |  |  |  |  |  |  |  |
| SAFETY TOPIC                                                                                                              |  |  |  |  |  |  |  |  |  | TRIPPING                                                                                                                     |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                               |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S)                                                                                                              |  |  |  |  |  |  |  |  |  |
| O.D. mm 244 5                                                                                                             |  |  |  |  |  |  |  |  |  | MIN. LD 224 4                                                                                                                |  |  |  |  |  |  |  |  |  |
| kg/m 59 53                                                                                                                |  |  |  |  |  |  |  |  |  | MAKE ipsc0                                                                                                                   |  |  |  |  |  |  |  |  |  |
| GRADE I-80                                                                                                                |  |  |  |  |  |  |  |  |  | # OF JOINTS 38                                                                                                               |  |  |  |  |  |  |  |  |  |
| TOTAL (m) 509 38                                                                                                          |  |  |  |  |  |  |  |  |  | KB TO CSG. 5 00                                                                                                              |  |  |  |  |  |  |  |  |  |
| SET AT (m) 509 00                                                                                                         |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                           |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | TYPE KING COBRA                                                                                                              |  |  |  |  |  |  |  |  |  |
| CHANGES SCREENS                                                                                                           |  |  |  |  |  |  |  |  |  | 5                                                                                                                            |  |  |  |  |  |  |  |  |  |
| TOP 80140                                                                                                                 |  |  |  |  |  |  |  |  |  | TOP 110                                                                                                                      |  |  |  |  |  |  |  |  |  |
| MIDDLE 80140                                                                                                              |  |  |  |  |  |  |  |  |  | MIDDLE 110                                                                                                                   |  |  |  |  |  |  |  |  |  |
| BOTTOM 110                                                                                                                |  |  |  |  |  |  |  |  |  | BOTTOM 175                                                                                                                   |  |  |  |  |  |  |  |  |  |
| DC DP SIZE 102                                                                                                            |  |  |  |  |  |  |  |  |  | KG / M 20.84                                                                                                                 |  |  |  |  |  |  |  |  |  |
| GRADE E                                                                                                                   |  |  |  |  |  |  |  |  |  | MIN. LD 84                                                                                                                   |  |  |  |  |  |  |  |  |  |
| TOOL JT. O.D 117                                                                                                          |  |  |  |  |  |  |  |  |  | TYPE THREAD 4"FH                                                                                                             |  |  |  |  |  |  |  |  |  |
| # OF JOINTS 208                                                                                                           |  |  |  |  |  |  |  |  |  | PUMP MANUFACTURER OILWELL                                                                                                    |  |  |  |  |  |  |  |  |  |
| PUMP TYPE PT-850                                                                                                          |  |  |  |  |  |  |  |  |  | STROKE LTH. 229                                                                                                              |  |  |  |  |  |  |  |  |  |
| 62 45                                                                                                                     |  |  |  |  |  |  |  |  |  | H.W.D. 70                                                                                                                    |  |  |  |  |  |  |  |  |  |
| 151 70                                                                                                                    |  |  |  |  |  |  |  |  |  | D.C 73                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 171                                                                                                                       |  |  |  |  |  |  |  |  |  | 4.5"XH 20                                                                                                                    |  |  |  |  |  |  |  |  |  |
| CODE NO. 1                                                                                                                |  |  |  |  |  |  |  |  |  | 2                                                                                                                            |  |  |  |  |  |  |  |  |  |
| 3                                                                                                                         |  |  |  |  |  |  |  |  |  | 4                                                                                                                            |  |  |  |  |  |  |  |  |  |
| 5                                                                                                                         |  |  |  |  |  |  |  |  |  | 6                                                                                                                            |  |  |  |  |  |  |  |  |  |
| 7                                                                                                                         |  |  |  |  |  |  |  |  |  | 8                                                                                                                            |  |  |  |  |  |  |  |  |  |
| 9                                                                                                                         |  |  |  |  |  |  |  |  |  | 10                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 11                                                                                                                        |  |  |  |  |  |  |  |  |  | 12                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 13                                                                                                                        |  |  |  |  |  |  |  |  |  | 14                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 15                                                                                                                        |  |  |  |  |  |  |  |  |  | 16                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 17                                                                                                                        |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 19                                                                                                                        |  |  |  |  |  |  |  |  |  | 20                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 21                                                                                                                        |  |  |  |  |  |  |  |  |  | 22                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 23                                                                                                                        |  |  |  |  |  |  |  |  |  | 24                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 25                                                                                                                        |  |  |  |  |  |  |  |  |  | 26                                                                                                                           |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 8 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| MORN                                                                                                                      |  |  |  |  |  |  |  |  |  | 3 75                                                                                                                         |  |  |  |  |  |  |  |  |  |
| DAY                                                                                                                       |  |  |  |  |  |  |  |  |  | 6 75                                                                                                                         |  |  |  |  |  |  |  |  |  |
| EVE                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 25                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 3 75                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 10 50                                                                                                                     |  |  |  |  |  |  |  |  |  | 0 75                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 2 00                                                                                                                      |  |  |  |  |  |  |  |  |  | 2 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 0 25                                                                                                                      |  |  |  |  |  |  |  |  |  | 5 50                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 0 25                                                                                                                      |  |  |  |  |  |  |  |  |  | 6 75                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 24 00                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | BIT RECORD                                                                                                                   |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | MUD RECORD                                                                                                                   |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | METERS DRILLED                                                                                                               |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | TIME LOG                                                                                                                     |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | TIME DETAIL                                                                                                                  |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED                                                                                                           |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                                                                     |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                   |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | BOILER                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | STACK deg                                                                                                                    |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | MACP                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD                                                                                                                 |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | FT CROWN SAVER                                                                                                               |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. 1                                                                                                                     |  |  |  |  |  |  |  |  |  | BOILER #1-198 / # 2= 190                                                                                                     |  |  |  |  |  |  |  |  |  |
| 1 BIT SUB                                                                                                                 |  |  |  |  |  |  |  |  |  | 0.25 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 4 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 0.83 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 12 JAR                                                                                                                    |  |  |  |  |  |  |  |  |  | 5.20 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 D C                                                                                                                     |  |  |  |  |  |  |  |  |  | 103 85 m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| H.W.D.P                                                                                                                   |  |  |  |  |  |  |  |  |  | 75 18 m                                                                                                                      |  |  |  |  |  |  |  |  |  |
| X.O                                                                                                                       |  |  |  |  |  |  |  |  |  | 0 39 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| Type                                                                                                                      |  |  |  |  |  |  |  |  |  | ETD34MS                                                                                                                      |  |  |  |  |  |  |  |  |  |
| SERIAL NO.                                                                                                                |  |  |  |  |  |  |  |  |  | 171573                                                                                                                       |  |  |  |  |  |  |  |  |  |
| JETS (mm)                                                                                                                 |  |  |  |  |  |  |  |  |  | 11.4 11.4 11.4                                                                                                               |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m)                                                                                                              |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m)                                                                                                             |  |  |  |  |  |  |  |  |  | 1409 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL METER                                                                                                               |  |  |  |  |  |  |  |  |  | 0 00                                                                                                                         |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| 61 DRILLPIPE STANDS                                                                                                       |  |  |  |  |  |  |  |  |  | 1185 33m                                                                                                                     |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                              |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                |  |  |  |  |  |  |  |  |  | 3.61 m                                                                                                                       |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                     |  |  |  |  |  |  |  |  |  | 1409.00 m                                                                                                                    |  |  |  |  |  |  |  |  |  |
| D.C.                                                                                                                      |  |  |  |  |  |  |  |  |  | 18                                                                                                                           |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                             |  |  |  |  |  |  |  |  |  | 41                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                        |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                    |  |  |  |  |  |  |  |  |  |



## DAY SHIFT

|                                                                                                                          |  |                                                                                                                            |  |
|--------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. <b>PARA etal NOGHA P C-49</b>                                                                            |  |
| OPERATOR <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                     |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE ID <b>300C496640125450</b>                                                                                          |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |
| <b>YUGON HOPE</b>                                                                                                        |  | <b>CLINT MAYER</b>                                                                                                         |  |
| <b>SAFETY TOPIC</b>                                                                                                      |  | <b>LAY DOWN DRILL STRG</b>                                                                                                 |  |
| LAST CASING TUBING OR LINER                                                                                              |  | SHALE SHAKER(S)                                                                                                            |  |
| 0 D. mm                                                                                                                  |  | NO 1 TYPE KING COBRA                                                                                                       |  |
| MIN. LD                                                                                                                  |  | CHANGE SCREENS                                                                                                             |  |
| kg/m                                                                                                                     |  | TOP 80140 TOP 110                                                                                                          |  |
| MAKE                                                                                                                     |  | MIDDLE 80140 MIDDLE 110                                                                                                    |  |
| GRADE                                                                                                                    |  | BOTTOM 110 BOTTOM 175                                                                                                      |  |
| # OF JOINTS                                                                                                              |  |                                                                                                                            |  |
| TOTAL (m)                                                                                                                |  |                                                                                                                            |  |
| KB TO CSG                                                                                                                |  |                                                                                                                            |  |
| SET AT (m)                                                                                                               |  |                                                                                                                            |  |
| DC DP SIZE                                                                                                               |  |                                                                                                                            |  |
| KG / M                                                                                                                   |  |                                                                                                                            |  |
| GRADE                                                                                                                    |  |                                                                                                                            |  |
| MIN. ID                                                                                                                  |  |                                                                                                                            |  |
| TOOL JT O.D                                                                                                              |  |                                                                                                                            |  |
| TYPE THREAD                                                                                                              |  |                                                                                                                            |  |
| # OF JOINTS                                                                                                              |  |                                                                                                                            |  |
| PUMP MANUFACTURER                                                                                                        |  |                                                                                                                            |  |
| PUMP TYPE                                                                                                                |  |                                                                                                                            |  |
| STROKE LTH                                                                                                               |  |                                                                                                                            |  |
| 102                                                                                                                      |  |                                                                                                                            |  |
| 24                                                                                                                       |  |                                                                                                                            |  |
| 5                                                                                                                        |  |                                                                                                                            |  |
| CODE NO.                                                                                                                 |  |                                                                                                                            |  |
| 1                                                                                                                        |  |                                                                                                                            |  |
| 2                                                                                                                        |  |                                                                                                                            |  |
| 3                                                                                                                        |  |                                                                                                                            |  |
| 4                                                                                                                        |  |                                                                                                                            |  |
| 5                                                                                                                        |  |                                                                                                                            |  |
| 6                                                                                                                        |  |                                                                                                                            |  |
| 7                                                                                                                        |  |                                                                                                                            |  |
| 8                                                                                                                        |  |                                                                                                                            |  |
| 9                                                                                                                        |  |                                                                                                                            |  |
| 10                                                                                                                       |  |                                                                                                                            |  |
| 11                                                                                                                       |  |                                                                                                                            |  |
| 12                                                                                                                       |  |                                                                                                                            |  |
| 13                                                                                                                       |  |                                                                                                                            |  |
| 14                                                                                                                       |  |                                                                                                                            |  |
| 15                                                                                                                       |  |                                                                                                                            |  |
| 16                                                                                                                       |  |                                                                                                                            |  |
| 17                                                                                                                       |  |                                                                                                                            |  |
| 18                                                                                                                       |  |                                                                                                                            |  |
| 19                                                                                                                       |  |                                                                                                                            |  |
| 20                                                                                                                       |  |                                                                                                                            |  |
| 21                                                                                                                       |  |                                                                                                                            |  |
| 22                                                                                                                       |  |                                                                                                                            |  |
| 23                                                                                                                       |  |                                                                                                                            |  |
| 24                                                                                                                       |  |                                                                                                                            |  |
| 25                                                                                                                       |  |                                                                                                                            |  |
| TOTAL                                                                                                                    |  |                                                                                                                            |  |
| OPER.                                                                                                                    |  |                                                                                                                            |  |
| MORN                                                                                                                     |  |                                                                                                                            |  |
| DAY                                                                                                                      |  |                                                                                                                            |  |
| EVE                                                                                                                      |  |                                                                                                                            |  |
| TOTAL                                                                                                                    |  |                                                                                                                            |  |
| NO.                                                                                                                      |  |                                                                                                                            |  |
| BIT RECORD                                                                                                               |  |                                                                                                                            |  |
| MUD RECORD                                                                                                               |  |                                                                                                                            |  |
| METERS DRILLED                                                                                                           |  |                                                                                                                            |  |
| TIME LOG                                                                                                                 |  |                                                                                                                            |  |
| TIME DETAIL                                                                                                              |  |                                                                                                                            |  |
| 1                                                                                                                        |  |                                                                                                                            |  |
| 4                                                                                                                        |  |                                                                                                                            |  |
| 12                                                                                                                       |  |                                                                                                                            |  |
| 8                                                                                                                        |  |                                                                                                                            |  |
| 61                                                                                                                       |  |                                                                                                                            |  |
| KELLY DOWN                                                                                                               |  |                                                                                                                            |  |
| TOTAL                                                                                                                    |  |                                                                                                                            |  |
| F.D.C.                                                                                                                   |  |                                                                                                                            |  |
| WT. OF STRING                                                                                                            |  |                                                                                                                            |  |
| DRILLERS SIGNATURE                                                                                                       |  |                                                                                                                            |  |
| MONTE RUTHERFORD                                                                                                         |  |                                                                                                                            |  |
| DRAG dan                                                                                                                 |  |                                                                                                                            |  |
| TORQUE                                                                                                                   |  |                                                                                                                            |  |
| FILL in                                                                                                                  |  |                                                                                                                            |  |
| HRS. RUN                                                                                                                 |  |                                                                                                                            |  |
| PH                                                                                                                       |  |                                                                                                                            |  |
| STACK deg                                                                                                                |  |                                                                                                                            |  |
| MACP                                                                                                                     |  |                                                                                                                            |  |
| MAX HOOKLOAD                                                                                                             |  |                                                                                                                            |  |
| Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE                                                                     |  |                                                                                                                            |  |
| CHECK & RESET CROWN SAVER F/T REMOTE CHOKE                                                                               |  |                                                                                                                            |  |
| BLOW DOWN BOILERS 4X                                                                                                     |  |                                                                                                                            |  |
| HOLE FILL CAL = 6.52M3 ACT. = 6.68M3 DIFF. = +.16M3                                                                      |  |                                                                                                                            |  |

|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                                |  | WELL NAME AND NO : <b>PARA etal NOGHA P C-49</b>                                                                             |  | (2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted( If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | 3<br><b>FUEL @ 08:00 HRS</b><br>RIG <b>220</b> BOILER                                                           |  |
| OPERATOR. <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR: <b>WILSON DRILLING LTD.</b>                                                                                      |  |                                                                                                                                                                                                                                                      |  | CM<br>CM<br>CM<br>CM<br>CM                |  | TEMPERATURE <b>-31</b><br>CONDITIONS <b>OVER CAST</b><br>WIND DIRECTION <b>S E</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION .                                                                                                        |  | UNIQUE I.D <b>300C496640125450</b>                                                                                           |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                                                 |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                      |  |                                           |  |                                                                                                                 |  |

| LAST CASING TUBING OR LINER | O.D. mm |      | MIN. I.D. |  | kg/m   |  | MAKE      |  | GRADE         |  | # OF JOINTS |  | TOTAL (m)   |  | KB TO CSG.        |  | SET AT (m) |  | SHALES HAKER(S) |                 |        | RENTALS / SERVICES |     |        | Mon | Day | Even |  |  |  |  |  |
|-----------------------------|---------|------|-----------|--|--------|--|-----------|--|---------------|--|-------------|--|-------------|--|-------------------|--|------------|--|-----------------|-----------------|--------|--------------------|-----|--------|-----|-----|------|--|--|--|--|--|
|                             | 244 5   |      | 224 4     |  | 59 53  |  | Ipsco     |  | I-80          |  | 38          |  | 509 38      |  | 5 00              |  | 509 00     |  | NO 1            | TYPE KING COBRA |        |                    |     |        |     |     |      |  |  |  |  |  |
|                             |         |      |           |  |        |  |           |  |               |  |             |  |             |  |                   |  |            |  | CHANGES SCREENS | YES             | NO     |                    |     |        |     |     |      |  |  |  |  |  |
|                             |         |      |           |  |        |  |           |  |               |  |             |  |             |  |                   |  |            |  | TOP             | 80140           |        | TOP                | 110 |        |     |     |      |  |  |  |  |  |
|                             |         |      |           |  |        |  |           |  |               |  |             |  |             |  |                   |  |            |  | MIDDLE          | 80140           |        | MIDDLE             | 110 |        |     |     |      |  |  |  |  |  |
| DC                          | DP      | SIZE | KG / M    |  | GRADE  |  | MIN. I.D. |  | TOOL JT. O.D. |  | TYPE THREAD |  | # OF JOINTS |  | PUMP MANUFACTURER |  | PUMP TYPE  |  | STROKE LTH.     |                 | BOTTOM | 110                |     | BOTTOM | 175 |     |      |  |  |  |  |  |
| 102                         |         |      | 20.84     |  | E      |  | 84        |  | 117           |  | 4"FH        |  | 208         |  | OIL WELL          |  | PT-850     |  | 229             |                 |        |                    |     |        |     |     |      |  |  |  |  |  |
|                             |         |      | 62.45     |  | H.W.D. |  | 70        |  | 158           |  | 4.5"XH      |  | 20          |  | EMSCO             |  | 375        |  | 356             |                 |        |                    |     |        |     |     |      |  |  |  |  |  |
|                             |         |      | 151.70    |  | D.C.   |  | 73        |  | 171           |  | 4.5"XH      |  | 20          |  |                   |  |            |  |                 |                 |        |                    |     |        |     |     |      |  |  |  |  |  |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7           | 8        | 9                  | 10          | 11            | 12                | 13             | 14              | 15         | 16         | 17        | 18             | 19      | 20               | 21             | 22    | 23 | 24 | 25 | 26 | TOTAL |
|----------|------------------|--------------|---------|--------|-------------------|-------|-------------|----------|--------------------|-------------|---------------|-------------------|----------------|-----------------|------------|------------|-----------|----------------|---------|------------------|----------------|-------|----|----|----|----|-------|
| OPER.    | GROUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | COND. MUD & CIRC. | TRIPS | RIG SERVICE | REPAIRED | CUT OFF DRILL LINE | DEV. SURVEY | WIRELINE LOGS | RUN CBL. & CEMENT | WAIT ON CEMENT | NIFFLE UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING | OTHER |    |    |    |    |       |
| MORN     |                  |              |         |        | 3 75              | 3 75  | 0.25        |          |                    |             |               |                   |                |                 |            |            |           |                |         |                  |                | 0 25  |    |    |    |    | 8 00  |
| DAY      |                  |              |         |        |                   | 6 75  | 0 25        |          |                    |             |               |                   |                |                 |            |            |           |                |         |                  |                | 1 00  |    |    |    |    | 8 00  |
| EVE      |                  |              |         |        |                   |       | 0.25        |          |                    |             |               | 2 00              |                |                 |            |            |           |                |         |                  | 0 25           | 5 50  |    |    |    |    | 8.00  |
| TOTAL    |                  |              |         |        | 3 75              | 10 50 | 0 75        |          |                    |             |               | 2 00              |                |                 |            |            |           |                |         |                  | 0.25           | 6 75  |    |    |    |    | 24 00 |

[illegible]

|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  |                                                    |  |                                                                            |  |
|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|----------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                                 |  | WELL NAME AND NO. <b>PARA etal NOGHA P C-49</b>                                                                              |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | RIG NO <b>3</b><br><b>FUEL @ 08.00 HRS</b><br>RIG <b>178</b> <b>BOILER</b> |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                       |  |                                                                                                                                                                                                                                                      |  | CM                                                 |  | WEATHER                                                                    |  |
| SURFACE LOCATION :                                                                                                         |  | UNIQUE I.D. <b>300C496640125450</b>                                                                                          |  |                                                                                                                                                                                                                                                      |  | CM                                                 |  | TEMPERATURE <b>-32</b>                                                     |  |
| OPERATORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                      |  | CM                                                 |  | CONDITIONS <b>CLOUDY</b>                                                   |  |
|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  | CM                                                 |  | WIND DIRECTION <b>S E</b>                                                  |  |
|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                      |  | CM                                                 |  | ROAD CONDITION <b>ICE</b>                                                  |  |

| YUGON HOPE                         |                  |              |          |          |                   |               |             |             |                    | CLINT MAYER        |               |                   |                |                                |            |                   |               |                |                       | SAFETY TOPIC     |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|------------------------------------|------------------|--------------|----------|----------|-------------------|---------------|-------------|-------------|--------------------|--------------------|---------------|-------------------|----------------|--------------------------------|------------|-------------------|---------------|----------------|-----------------------|------------------|----------------|------|-------------------------------------------|-----------------------------------------------------|----------------------------------------|-------|-------|--|--|----------------|--|--|-----|-----|-----|--|--|--|--|----------|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|
| LAST CASING TUBING OR LINER        | O D mm           |              | MIN. I.D |          | kg/m              |               | MAKE        |             | GRADE              |                    | # OF JOINTS   |                   | TOTAL (m)      |                                | KB TO CSG. |                   | SET AT (m)    |                | SHALES SHAKER(S)      |                  |                |      | RENTALS / SERVICES                        |                                                     |                                        |       |       |  |  |                |  |  | Mon | Day | Eve |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    | 244.5            |              | 224 4    |          | 59 53             |               | Ipsco       |             | I-80               |                    | 38            |                   | 509 38         |                                | 5 00       |                   | 509 00        |                | NO. 1 TYPE KING COBRA |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          |          |                   |               |             |             |                    |                    |               |                   |                |                                |            |                   |               |                | CHANGES SCREENS       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          |          |                   |               |             |             |                    |                    |               |                   |                |                                |            |                   |               |                |                       |                  | TOP 80140      |      | TOP 110                                   |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DC                                 | DP               | SIZE         | KG / M   | GRADE    | MIN. I.D          | TOOL JT. O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER  |                    | PUMP TYPE     |                   | STROKE LTH.    |                                |            |                   |               |                | MIDDLE 80140          |                  | MIDDLE 110     |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 102                                |                  |              | 20.84    | E        | 84                | 117           | 4"FH        | 208         | OILWELL            |                    | PT-850        |                   | 229            |                                |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 114                                |                  |              | 62.45    | H.W.D.   | 70                | 158           | 4.5"XH      | 20          | EMSCO              |                    | 375           |                   | 356            |                                |            |                   |               |                | BOTTOM 110            |                  | BOTTOM 175     |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              | 151.70   | D.C      | 73                | 171           | 4.5"XH      | 20          |                    |                    |               |                   |                |                                |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| CODE NO.                           | 1                | 2            | 3        | 4        | 5                 | 6             | 7           | 8           | 9                  | 10                 | 11            | 12                | 13             | 14                             | 15         | 16                | 17            | 18             | 19                    | 20               | 21             | 22   | 23                                        | 24                                                  | 25                                     | 25    | TOTAL |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| OPER.                              | GROUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING   | COND. MUD & CIRC. | TRIPS         | R/S SERVICE | REPAIRS     | CUT OFF DRILL LINE | DEV SURVEY         | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | RIPPLE UP B.O.P                | TEST B.O.P | DRILL STEM        | PLUG BACK     | SQUEEZE CEMENT | FISHING               | DIRECTIONAL WORK | SAFETY MEETING |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| MORN                               |                  |              |          |          |                   | 1 00          | 0 25        |             |                    |                    | 6 75          |                   |                |                                |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        | 8 00  |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DAY                                |                  |              |          |          |                   |               | 0 25        |             |                    |                    | 11.75         |                   |                |                                |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        | 12 00 |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| EVE                                |                  |              |          |          |                   | 1 00          |             |             |                    |                    | 3 00          |                   |                |                                |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        | 4 00  |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| TOTAL                              |                  |              |          |          |                   | 2 00          | 0 50        |             |                    |                    | 21 50         |                   |                |                                |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        | 24 00 |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DRILLING ASSEMBLY (AT END OF TOUR) |                  |              |          |          |                   |               |             |             |                    | BIT RECORD         |               |                   |                |                                |            |                   |               |                |                       | MUD RECORD       |                |      |                                           |                                                     |                                        |       |       |  |  | METERS DRILLED |  |  |     |     |     |  |  |  |  | TIME LOG |  |  |  |  |  |  |  |  |  | TIME DETAIL |  |  |  |  |  |  |  |  |  |
| NO                                 | BIT / MILES      | O.D. (mm)    | 0.25     | m        | BIT NO.           | 2rt           |             |             |                    | WATER BASED        |               | OIL BASED         |                | FROM                           | TO         | DRILL / REAM / CR | ROTARY R.P.M. | WT ON BIT      | FROM                  | TO               | ELAPSED TIME   | CODE |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 1                                  | BIT SUB          | 165          | 0 83     | m        | SIZE (mm)         | 216 0         |             |             |                    | TIME               |               |                   |                | 1409 00                        |            |                   |               |                |                       | 0                | 100            | 1.00 | 6                                         | POH TO LOG // FLOW CHECKS / 1399 / 645 / 212M       |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 4                                  | D C              | 164          | 34 36    | m        | IADC              |               |             |             |                    | DENSITY kg/m3      |               |                   |                |                                |            |                   |               |                |                       | 100              | 115            | 0.25 | 7                                         | RIG SERVICE FT. BLIND RAMS                          |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 12                                 | D C              | 164          | 103 85   | m        | CODE              |               |             |             |                    | FUNNEL             |               |                   |                |                                |            |                   |               |                |                       | 115              | 800            | 6.75 | 11                                        | WIRE LINE LOGS / LOG #! DUAL LATERAL MSFL           |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 8                                  | H.W D P          | 114          | 75 18    | m        | MFG.              | VAREL         |             |             |                    | VIS s/l            |               |                   |                |                                |            |                   |               |                |                       |                  |                |      |                                           | ( LOGS TAG BOTTOM @ 04.15 HRS / DEPTH 1408 METRES ) |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    | X.O              | 152          | 0 39     | m        | W.L. cm/          | FILCK         |             |             |                    | PH                 |               |                   |                | Circ Pressure (KPa)            |            | PUMP NO. 1        | PUMP NO. 2    |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | TYPE              | ETD34MS       |             |             |                    |                    |               |                   |                | LINER(mm)                      | SPM        | LINER(mm)         | SPM           |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | SERIAL NO         | 171573        |             |             |                    |                    |               |                   |                | 152.0                          |            | 146 0             |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | JETS (mm)         | 11.11.11.1    |             |             |                    |                    |               |                   |                | REDUCED PUMP SPEED             |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | DEPTH IN (m)      | 1409 00       |             |             |                    | MUD MATERIALS USED |               |                   |                |                                |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | DEPTH OUT (m)     | 1409 00       |             |             |                    | TYPE               | QTY           | UNITS             |                | SOLIDS CONTROL EQUIPMENT       |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | TOTAL WATER       | 0 00          |             |             |                    |                    |               |                   |                | DESILTER                       |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | TOTAL HOURS       |               |             |             |                    |                    |               |                   |                | HOURS                          | INTAKE     | OVERFLOW          | UNDERFLOW     |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 61                                 | DRILLPIPE        | STANDS       | 1        | m        |                   |               |             |             |                    |                    |               |                   |                | CENTRIFUGE                     |            |                   |               |                |                       |                  |                |      |                                           |                                                     | #2 LOG SPED / NEUTRON /SGR / Y CALIPER |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    | DRILLPIPE        | SINGLES      | 1        | m        |                   |               |             |             |                    |                    |               |                   |                | HOURS                          | INTAKE     | OVERFLOW          | UNDERFLOW     |                |                       |                  |                |      |                                           | #3 LOG MDA /GAMA RAY                                |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          | m        | INNER             | OUTER         | DULL        | LOCATION    | BEARINGS           | O.d. (mm)          | OTHER         | REASON            | R.O.P          | DEVIATION SURVEY               |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    | KELLY DOWN       | 3.61         |          | m        |                   |               |             |             |                    | DEPTH (m)          | DEVIATION     | DIRECTION         |                | HOURS                          | INTAKE     | OVERFLOW          | UNDERFLOW     |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    | TOTAL            | 1409.00      |          | m        |                   |               |             |             |                    |                    |               |                   |                | BOILER                         |            |                   |               |                |                       |                  |                |      |                                           |                                                     | Notes: FT. CROWN SAVER                 |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    | V.D.C.           | 18           |          | 1000 dnm | DRAG DAN          |               |             |             |                    | HRS. RUN           | PH            | STACK deg         |                | TRIP VOLUME / MEASURED 7 19 M3 |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    | WT. OF STRING    | 41           |          | 1000 dnm | TORQUE            |               |             |             |                    | 8 00               | 10.0          | 430               |                | CALCULATED 6.52 DIFF - 67      |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MYLES LOW       |                  |              |          |          |                   |               |             |             |                    |                    |               |                   |                | MACP 2968                      |            |                   |               |                |                       |                  |                |      | BOILER # 1 = 113 CM & BOILER # 2 = 109 CM |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                                    |                  |              |          |          |                   |               |             |             |                    |                    |               |                   |                | MAX HOOKLOAD                   |            |                   |               |                |                       |                  |                |      |                                           |                                                     |                                        |       |       |  |  |                |  |  |     |     |     |  |  |  |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |

|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                       |  |                                           |  |                              |  |
|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|------------------------------|--|
| LICENCE NO : <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                            |  | (2) Detailed Inspection-Wateroy (Using Check List)<br>(3) H2S Signs Posted (if Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | 3<br><b>FUEL @ 08:00 HRS</b> |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                       |  | RIG <b>178</b>                            |  | BOILER                       |  |
| SURFACE LOCATION                                                                                                           |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                       |  | CM                                        |  | WEATHER                      |  |
| OPERATORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist (one/mg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  | CM                                        |  | TEMPERATURE <b>-32</b>       |  |
|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                       |  | CM                                        |  | CONDITIONS <b>CLOUDY</b>     |  |
|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                       |  | CM                                        |  | WIND DIRECTION <b>S E</b>    |  |
|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                       |  | CM                                        |  | ROAD CONDITION <b>ICE</b>    |  |

| LAST CASING TUBING OR LINER | O.D. mm | MIN. I.D. | kg/m   | MAKE      | GRADE        | # OF JOINTS | TOTAL (m)   | KB TO CSG.        | SET AT (m) | SHALES HAKER(S) |                 |       | RENTALS / SERVICES |     |  | Mon | Day | Even |  |  |  |  |
|-----------------------------|---------|-----------|--------|-----------|--------------|-------------|-------------|-------------------|------------|-----------------|-----------------|-------|--------------------|-----|--|-----|-----|------|--|--|--|--|
|                             | 244 5   | 224 4     | 59 53  | IPSCO     | I-80         | 38          | 509 38      | 5 00              | 509 00     | NO 1            | TYPE KING COBRA | TYPE  |                    |     |  |     |     |      |  |  |  |  |
|                             |         |           |        |           |              |             |             |                   |            | CHANGE SCREENS  |                 |       | YES                | NO  |  |     |     |      |  |  |  |  |
|                             |         |           |        |           |              |             |             |                   |            | TOP             | 80140           | TOP   | 110                |     |  |     |     |      |  |  |  |  |
| DC                          | DP SIZE | KG / M    | GRADE  | MIN. I.D. | TOOL JT O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH.     | MIDDLE          | 80140 | MIDDLE             | 110 |  |     |     |      |  |  |  |  |
| 102                         |         | 20.84     | E      | 84        | 117          | 4"FH        | 208         | OILWELL           | PT-850     | 229             | BOTTOM          | 110   | BOTTOM             | 175 |  |     |     |      |  |  |  |  |
| 14                          |         | 62.45     | H.W.D. | 70        | 158          | 4.5"XH      | 20          | EMSCO             | 375        | 356             |                 |       |                    |     |  |     |     |      |  |  |  |  |
| 5                           |         | 151.70    | D.C.   | 73        | 171          | 4.5"XH      | 20          |                   |            |                 |                 |       |                    |     |  |     |     |      |  |  |  |  |

[illegible]



## EVENING SHIFT

|                                                                                                                           |                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LICENCE NO. : WID1934                                                                                                     | WELL NAME AND NO. : PARA etal NOGHA P C-49 | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines<br>(1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.C.D.C. Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                       | CONTRACTOR : WILSON DRILLING LTD.          | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| SURFACE LOCATION :                                                                                                        | UNIQUE I.D. : 300C496640125450             | RIG NO.: 3<br>FUEL @ 08:00 HRS.<br>RIG 178<br>BOILER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                                            | CM TEMPERATURE -32<br>CM CONDITIONS CLOUDY<br>CM WIND DIRECTION S.E.<br>CM ROAD CONDITION ICE                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## YUGON HOPE

## CLINT MAYER

## SAFETY TOPIC

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D |        | kg/m              |         | MAKE        |               | GRADE             |             | # OF JOINTS   |                   | TOTAL (m)      |                   | KB TO CSG.  |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                |    | RENTALS / SERVICES |            |    |       |       |  |  |  |  |  | Morn | Day | Eve |  |  |  |  |  |
|-----------------------------|------------------|--------------|----------|--------|-------------------|---------|-------------|---------------|-------------------|-------------|---------------|-------------------|----------------|-------------------|-------------|------------|------------|----------------|-----------------|------------------|----------------|----|--------------------|------------|----|-------|-------|--|--|--|--|--|------|-----|-----|--|--|--|--|--|
|                             | 244.5            |              | 224.4    |        | 59.53             |         | ipsco       |               | I-80              |             | 38            |                   | 509.38         |                   | 5.00        |            | 509.00     |                | NO. 1           | TYPE KING COBRA  |                |    |                    |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |               |                   |             |               |                   |                |                   |             |            |            |                | CHANGE SCREENS  |                  |                |    | YES                | NO         |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |               |                   |             |               |                   |                |                   |             |            |            |                | TOP 80140       |                  |                |    | TOP 110            |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |               |                   |             |               |                   |                |                   |             |            |            |                | MIDDLE 80140    |                  |                |    | MIDDLE 110         |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |               |                   |             |               |                   |                |                   |             |            |            |                |                 | BOTTOM 110       |                |    |                    | BOTTOM 175 |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| DC. DP SIZE                 |                  | KG / M       |          | GRADE  |                   | MIN. ID |             | TOOL JT. O.D. |                   | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER |             | PUMP TYPE  |            | STROKE LTH.    |                 |                  |                |    |                    |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| 102                         |                  | 20.84        |          | E      |                   | 84      |             | 117           |                   | 4"FH        |               | 208               |                | OILWELL           |             | PT-850     |            | 229            |                 |                  |                |    |                    |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| 14                          |                  | 62.45        |          | H.W.D. |                   | 70      |             | 158           |                   | 4.5"XH      |               | 20                |                | EMSCO             |             | 375        |            | 356            |                 |                  |                |    |                    |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| 5                           |                  | 151.70       |          | D.C    |                   | 73      |             | 171           |                   | 4.5"XH      |               | 20                |                |                   |             |            |            |                |                 |                  |                |    |                    |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| CODE NO.:                   | 1                | 2            | 3        | 4      | 5                 | 6       | 7           | 8             | 9                 | 10          | 11            | 12                | 13             | 14                | 15          | 16         | 17         | 18             | 19              | 20               | 21             | 22 | 23                 | 24         | 25 | 26    | TOTAL |  |  |  |  |  |      |     |     |  |  |  |  |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING | COND. MUD & CIRC. | TRIPS   | RIG SERVICE | REPAIR/RIG    | CUTOFF DRILL LINE | DEV. SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | NIPLLE UP B.O.P.  | TEST B.O.P. | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING |    |                    |            |    |       |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| MORN                        |                  |              |          |        |                   | 1.00    | 0.25        |               |                   |             | 6.75          |                   |                |                   |             |            |            |                |                 |                  |                |    |                    |            |    | 8.00  |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| DAY                         |                  |              |          |        |                   |         | 0.25        |               |                   |             | 11.75         |                   |                |                   |             |            |            |                |                 |                  |                |    |                    |            |    | 12.00 |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| EVE                         |                  |              |          |        |                   | 1.00    |             |               |                   |             | 3.00          |                   |                |                   |             |            |            |                |                 |                  |                |    |                    |            |    | 4.00  |       |  |  |  |  |  |      |     |     |  |  |  |  |  |
| TOTAL                       |                  |              |          |        |                   | 2.00    | 0.50        |               |                   |             | 21.50         |                   |                |                   |             |            |            |                |                 |                  |                |    |                    |            |    | 24.00 |       |  |  |  |  |  |      |     |     |  |  |  |  |  |

| NO.                | DRILLING ASSEMBLY (AT END OF TOUR) | BIT RECORD | MUD RECORD | METERS DRILLED | TIME LOG      | TIME DETAIL |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|--------------------|------------------------------------|------------|------------|----------------|---------------|-------------|--|----------------|-----------|--------------|----|-----------------|---------------|------------|-----------|------|--------------|------|-------------------------------------|-----------|--|--|--|--|------------------------|--|--|--|--|
| 1                  | BIT/ MILLS                         | O.D. mm    | 0.25       | m              | BIT NO.       | 2T          |  | WATER BASED    | OIL BASED | FROM         | TO | DRILL/ REAM/CR. | ROTARY R.P.M. | WT. ON BIT | FROM      | TO   | ELAPSED TIME | CODE |                                     |           |  |  |  |  |                        |  |  |  |  |
| 1                  | BIT SUB                            | 165        | 0.83       | m              | SIZE (mm)     | 216.0       |  | TIME           |           | 1409.00      |    |                 |               |            | 2000      | 2130 | 1.50         | 11   | WIRE LINE LOGS / #3 / MDA / GAMARAY |           |  |  |  |  |                        |  |  |  |  |
| 4                  | D.C.                               | 164        | 34.36      | m              |               |             |  | DENSITY kg/m3  |           |              |    |                 |               |            | 2130      | 2300 | 1.50         | 11   | RIG OUT LOGGERS                     |           |  |  |  |  |                        |  |  |  |  |
| 12                 | JAR                                | 160        | 5.20       | m              | IADC CODE     |             |  | FUNNEL VIS s/l |           |              |    |                 |               |            | 2300      | 2400 | 1.00         | 6    | MAKE UP BHA AND RUN IN THE HOLE     |           |  |  |  |  |                        |  |  |  |  |
| 8                  | D.C.                               | 164        | 103.85     | m              |               |             |  | W.L. cm/ FILCK |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    | H.W.D.P.                           | 114        | 75.18      | m              | MFG.          | VAREL       |  | PH             |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    | X.O.                               | 152        | 0.39       | m              | Type          | ETD34MS     |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            | m              | SERIAL NO.    | 171573      |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            | m              | JETS (mm)     | 11.11.11.11 |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            | m              | DEPTH IN (m)  | 1409.00     |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            | m              | DEPTH OUT (m) | 1409.00     |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            | m              | TOTAL METER   | 0.00        |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            | m              | TOTAL HOURS   |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
| 61                 | DRILLPIPE STANDS                   | 1185.33    | m          |                |               |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    | DRILLPIPE SINGLES                  |            | m          |                |               |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    | KELLY DOWN                         | 3.61       | m          |                |               |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    | TOTAL                              | 1409.00    | m          |                |               |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    | OF D.C.                            | 18         | 1000       | dan            | DRAG dan      |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    | WT. OF STRING                      | 41         | 1000       | dan            | TORQUE        |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            | dan            | FILL m        |             |  |                |           |              |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
| DRILLERS SIGNATURE |                                    |            |            |                | MYLES LOW     |             |  |                |           | HRS. RUN     |    |                 |               |            | BOILER PH |      |              |      |                                     | STACK deg |  |  |  |  | Notes: FT. CROWN SAVER |  |  |  |  |
|                    |                                    |            |            |                |               |             |  |                |           | MACP         |    |                 |               |            | 2968      |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |
|                    |                                    |            |            |                |               |             |  |                |           | MAX HOOKLOAD |    |                 |               |            |           |      |              |      |                                     |           |  |  |  |  |                        |  |  |  |  |



|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO <b>PARA etal NOGHA P C-49</b>                                                                               |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                       |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                        |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |

# CLINT MAYER

## SAFETY TOPIC

## TUBULARS

| LAST CASING TUBING OR LINER | O.D mm           |              | MIN. I.D | kg/m  | MAKE               | GRADE         | # OF JOINTS | TOTAL (m)   | KB TO CSG.         | SET AT (m) | SHALE SHAKER(S) |                   |                | RENTALS / SERVICES |             |            |           |                |        |                  |                |       |    |    |    | Mon   | Day   | Eve |  |
|-----------------------------|------------------|--------------|----------|-------|--------------------|---------------|-------------|-------------|--------------------|------------|-----------------|-------------------|----------------|--------------------|-------------|------------|-----------|----------------|--------|------------------|----------------|-------|----|----|----|-------|-------|-----|--|
|                             | 244 5            |              | 224 4    | 59 53 | Ipsco              | I-80          | 38          | 509 38      | 5 00               | 509 00     | NO. 1           | TYPE KING         | TYPE           |                    |             |            |           |                |        |                  |                |       |    |    |    |       |       |     |  |
|                             |                  |              |          |       |                    |               |             |             |                    |            | CHANGES/SCREENS |                   | BEA            | ON                 |             |            |           |                |        |                  |                |       |    |    |    |       |       |     |  |
|                             | DC DP SIZE       |              | KG / M   | GRADE | MIN. ID            | TOOL JT. O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER  | PUMP TYPE  | STROKE LTH.     | TOP 80140         | TOP 110        |                    |             |            |           |                |        |                  |                |       |    |    |    |       |       |     |  |
| 165                         | 20.84            |              | E        | 84    | 117                | 4"FH          | 208         | OILWELL     | PT-850             | 229        | MIDDLE 80140    | MIDDLE 110        |                |                    |             |            |           |                |        |                  |                |       |    |    |    |       |       |     |  |
|                             | 62.45            |              | H.W.D.   | 70    | 158                | 4.5"XH        | 20          | EMSCO       | 375                | 356        | BOTTOM 110      | BOTTOM 175        |                |                    |             |            |           |                |        |                  |                |       |    |    |    |       |       |     |  |
|                             | 151.70           |              | D.C      | 73    | 171                | 4.5"XH        | 20          |             |                    |            |                 |                   |                |                    |             |            |           |                |        |                  |                |       |    |    |    |       |       |     |  |
| CODE NO.                    | 1                | 2            | 3        | 4     | 5                  | 6             | 7           | 8           | 9                  | 10         | 11              | 12                | 13             | 14                 | 15          | 16         | 17        | 18             | 19     | 20               | 21             | 22    | 23 | 24 | 25 | 26    | TOTAL |     |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REARND   | CORND | CORND. BUD & CIRC. | TRIPS         | FOR SERVICE | REPAIRND    | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS   | RUN CSG. & CEMENT | WAIT ON CEMENT | RIPPLE UP B.O.P.   | TEST B.O.P. | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHND | DIRECTIONAL WORK | SAFETY MEETING | OTHER |    |    |    |       |       |     |  |
| MORN                        |                  | 5 75         |          |       | 1 50               |               | 0 25        |             |                    | 0 50       |                 |                   |                |                    |             |            |           |                |        |                  |                |       |    |    |    | 8 00  |       |     |  |
| DAY                         |                  |              |          |       | 3 00               | 8 50          | 0.25        |             |                    |            |                 |                   |                |                    |             |            |           |                |        |                  |                | 0.25  |    |    |    | 12 00 |       |     |  |
| EVE                         |                  |              |          |       | 0 50               | 3 50          |             |             |                    |            |                 |                   |                |                    |             |            |           |                |        |                  |                |       |    |    |    | 4 00  |       |     |  |
| TOTAL                       |                  | 5 75         |          |       | 5 00               | 12 00         | 0 50        |             |                    | 0 50       |                 |                   |                |                    |             |            |           |                |        |                  |                | 0 25  |    |    |    | 24 00 |       |     |  |

[illegible]

|                                                                                                                             |  |                                                                                                                               |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                             |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | RIG NO. <b>3</b>                                                                                                         |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                  |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                      |  |                                                                                                                                                                                                                                                        |  | <b>FUEL @ 08:00 HRS.</b><br>RIG <b>223</b> BOILER  |  |                                                                                                                          |  |
| SURFACE LOCATION :                                                                                                          |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                         |  |                                                                                                                                                                                                                                                        |  | CM<br>CM<br>CM<br>CM<br>CM<br>CM                   |  | WEATHER<br>TEMPERATURE <b>-25</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| OPERATORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                          |  |

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |                   |          |         | BIT RECORD    |                             |         | MUD RECORD         |  |       |           | METERS DRILLED |                                 |                          |                | TIME LOG      |           |                                                                                         |      | TIME DETAIL  |      |                                                              |                                                         |
|---------------------------------------|-------------------|----------|---------|---------------|-----------------------------|---------|--------------------|--|-------|-----------|----------------|---------------------------------|--------------------------|----------------|---------------|-----------|-----------------------------------------------------------------------------------------|------|--------------|------|--------------------------------------------------------------|---------------------------------------------------------|
| NO                                    | BIT/ MILLS        | O.D.(mm) | 0.25 m  | BIT NO        | 2                           | 2ft     | WATER BASED        |  | X     | OIL BASED |                | FROM                            | TO                       | DRILL/ REAM/CR | ROTARY R.P.M. | WT ON BIT | FROM                                                                                    | TO   | ELAPSED TIME | CODE |                                                              |                                                         |
| 1                                     | BIT SUB           | 165      | 0.83 m  | SIZES (mm)    | 216.0                       | 216.0   | TIME               |  | 800   | 1830      | 1900           |                                 |                          |                |               |           | 800                                                                                     | 815  | 0.25         | 5    | COND MUD & CIRC                                              |                                                         |
| 4                                     | D C               | 164      | 34.38 m | IADC CODE     |                             |         | DENSITY kg/m3      |  | 1250  | 1270      | 1285           |                                 |                          |                |               |           | 815                                                                                     | 1200 | 3.75         | 6    | PUMP PILL, P.O.O.H. ( STRAP OUT ) FLOW CHECKS @ 1402M,1298M, |                                                         |
| 12                                    | JAR               | 160      | 5.20 m  | MFG.          |                             |         | FUNNEL VIS cSt     |  | 108   | 69        | 69             |                                 |                          |                |               |           | 1200                                                                                    |      |              |      | 733M,245M LOM                                                |                                                         |
| 8                                     | H.W D P           | 114      | 75.18 m | Type          | VAREL                       | VAREL   | W.L cm/ FICK       |  | 8.0   |           | 9.5            |                                 |                          |                |               |           | 1200                                                                                    | 1330 | 1.50         | 6    | SAFETY MTG. & LAY DOWN DIRECTIONAL TOOLS                     |                                                         |
|                                       | X.O               | 152      | 0.39 m  | SERIAL NO.    | ETD34MS                     | ETD34MS | PH                 |  | 12.5  | 11.0      | 10.5           |                                 |                          |                |               |           | 1330                                                                                    | 1345 | 0.25         | 7    | RIG SERVICE F/T BLIND RAMS                                   |                                                         |
|                                       |                   |          |         | JETS (mm)     | 171573                      | 171573  | PVT                |  | 57.00 | 50.70     | 49.60          |                                 |                          |                |               |           | 1345                                                                                    | 1400 | 0.25         | 22   | B.O.P. DRILL WELL SECURED IN 1 MIN. 15 SECS.                 |                                                         |
|                                       |                   |          |         | DEPTH IN (m)  | 11.111,11.111 11.111,11.111 |         | MUD MATERIALS USED |  |       |           |                | 2900                            |                          | @              | 58            | @         | 1403                                                                                    | 1400 | 1715         | 3.25 | 6                                                            | MAKE UP BIT,BHA & R.I.H. ( UNLOAD CSG. TRUCKS )         |
|                                       |                   |          |         | DEPTH OUT (m) | 1204.00 1409.00             |         | TYPE               |  | QTY   |           | UNITS          |                                 | SOLIDS CONTROL EQUIPMENT |                |               |           |                                                                                         | 1715 | 1830         | 1.25 | 5                                                            | BREAK CIRC. , WASH TO BOTTOM (2M FILL ) & CIRC.BTMS. UP |
|                                       |                   |          |         | TOTAL METER   | 1409.00 1409.00             |         | BARITE             |  | 20    |           | SX             |                                 | DESILTER                 |                |               |           |                                                                                         | 1830 | 2000         | 1.50 | 5                                                            | COND MUD & CIRC                                         |
|                                       |                   |          |         | TOTAL HOURS   | 205.00 0.00                 |         |                    |  |       |           |                | CENTRIFUGE                      |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               | 54.00                       |         |                    |  |       |           |                | HOURS INTAKE OVERFLOW UNDERFLOW |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
| 61                                    | DRILLPIPE STANDS  | 1185     | 33m     |               |                             |         |                    |  |       |           |                | HOURS INTAKE OVERFLOW UNDERFLOW |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       | DRILLPIPE SINGLES |          | m       |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           | CHANGE OIL & FILTERS ON PUMP MOTOR & FLOOR MOTOR                                        |      |              |      |                                                              |                                                         |
| KELLY DOWN                            |                   |          |         | 3.61          | m                           |         |                    |  |       |           |                |                                 |                          |                |               |           | HOLE FILL - CAL = 7.0M <sup>3</sup> ACT. = 7.18M <sup>3</sup> DIFF. =+.18M <sup>3</sup> |      |              |      |                                                              |                                                         |
| TOTAL                                 |                   |          |         | 1409.00       | m                           |         |                    |  |       |           |                |                                 |                          |                |               |           | TALLY - BOARD = 1396.37M STRAP = 1396.09M DIFF. = +.28M                                 |      |              |      |                                                              |                                                         |
| WT. OF D.C.                           |                   |          |         | 18            | dan                         |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
| WT. OF STRING                         |                   |          |         | 41            | dan                         |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
| DRILLERS SIGNATURE MONTE RUTHERFORD   |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
| TORQUE 1-2 UP 1-                      |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
| FILL m 2.00                           |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
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|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |
|                                       |                   |          |         |               |                             |         |                    |  |       |           |                |                                 |                          |                |               |           |                                                                                         |      |              |      |                                                              |                                                         |

|                                                                                                                           |                                                                                                                            |                                                                                                                                                                                                                                                        |           |                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|
| LICENCE NO : WID1934                                                                                                      | WELL NAME AND NO. : PARA etal NOGHA P C-49                                                                                 | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines | RIG NO. 3 | FUEL @ 08:00 HRS.                                                                 |
| OPERATOR - PARAMOUNT RESOURCES LTD.                                                                                       | CONTRACTOR: WILSON DRILLING LTD.                                                                                           |                                                                                                                                                                                                                                                        | RIG 223   | BOILER                                                                            |
| SURFACE LOCATION :                                                                                                        | UNIQUE LD 300C496640125450                                                                                                 | (1) Rig Site Health and Safety Meeting (one/twice/month)<br>(2) C.A. O.D.C Rig Safety Inspection Checklist(one/twice/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kils Checked                     | WEATHER   | TEMPERATURE -25<br>CONDITIONS CLOUDY<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                                                                                                                                                                                                                                                        |           |                                                                                   |

| YUGON HOPE                  |                  |              |         |         |                   |             |             |                   |                    | CLINT MAYER |               |                   |                |                 |            |            |            |                |                 | SAFETY TOPIC     |                |                    |       |         |            |       |       |  |  | TRIPPING |  |     |     |     |  |  |  |  |  |
|-----------------------------|------------------|--------------|---------|---------|-------------------|-------------|-------------|-------------------|--------------------|-------------|---------------|-------------------|----------------|-----------------|------------|------------|------------|----------------|-----------------|------------------|----------------|--------------------|-------|---------|------------|-------|-------|--|--|----------|--|-----|-----|-----|--|--|--|--|--|
| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. LD |         | kg/m              |             | MAKE        |                   | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                 | KB TO CSG. |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |       |         |            |       |       |  |  |          |  | Mon | Day | Eve |  |  |  |  |  |
|                             | 244.5            |              | 224 4   |         | 59 53             |             | Ipsco       |                   | I-80               |             | 38            |                   | 509 38         |                 | 5 00       |            | 509 00     |                | NO 1            | TYPE KING        | TYPE           |                    |       |         |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
|                             |                  |              |         |         |                   |             |             |                   |                    |             |               |                   |                |                 |            |            |            |                | CHANGE SCREENS  |                  |                | YES                | NO    |         |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
|                             |                  |              |         |         |                   |             |             |                   |                    |             |               |                   |                |                 |            |            |            |                | TOP             |                  |                | 80140              |       | TOP 110 |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
|                             |                  |              |         |         |                   |             |             |                   |                    |             |               |                   |                |                 |            |            |            |                |                 | MIDDLE           |                |                    | 80140 |         | MIDDLE 110 |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
|                             |                  |              |         |         |                   |             |             |                   |                    |             |               |                   |                |                 |            |            |            |                |                 | BOTTOM           |                |                    | 110   |         | BOTTOM 175 |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
| DC                          | DP SIZE          | KG / M       | GRADE   | MIN. LD | TOOL JT O.D.      | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER |                    | PUMP TYPE   |               | STROKE LTH.       |                |                 |            |            |            |                |                 |                  |                |                    |       |         |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
|                             |                  | 20.84        | E       | 84      | 117               | 4"FH        | 208         | OILWELL           |                    | PT-850      |               | 229               |                |                 |            |            |            |                |                 |                  |                |                    |       |         |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
|                             |                  | 62.45        | H.W.D.  | 70      | 158               | 4.5"XH      | 20          | EMSCO             |                    | 375         |               | 356               |                |                 |            |            |            |                |                 |                  |                |                    |       |         |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
| 165                         |                  | 151.70       | D.C     | 73      | 171               | 4.5"XH      | 20          |                   |                    |             |               |                   |                |                 |            |            |            |                |                 |                  |                |                    |       |         |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
| CODE NO.                    | 1                | 2            | 3       | 4       | 5                 | 6           | 7           | 8                 | 9                  | 10          | 11            | 12                | 13             | 14              | 15         | 16         | 17         | 18             | 19              | 20               | 21             | 22                 | 23    | 24      | 25         | 26    | TOTAL |  |  |          |  |     |     |     |  |  |  |  |  |
| OPER.                       | RIQUP & TEARDOWN | DRILL ACTUAL | HEADING | CORING  | COND. STD & CIRC. | TRIPS       | ROD SERVICE | REPAIRING         | CUT OFF DRLO. LINE | DEV SURVEY  | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | NUPPLE UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING | OTHER              |       |         |            |       |       |  |  |          |  |     |     |     |  |  |  |  |  |
| MORN                        |                  | 5 75         |         |         | 1.50              |             | 0.25        |                   |                    | 0 50        |               |                   |                |                 |            |            |            |                |                 |                  |                |                    |       |         |            | 8 00  |       |  |  |          |  |     |     |     |  |  |  |  |  |
| DAY                         |                  |              |         |         | 3 00              | 8 50        | 0.25        |                   |                    |             |               |                   |                |                 |            |            |            |                |                 |                  |                | 0 25               |       |         |            | 12 00 |       |  |  |          |  |     |     |     |  |  |  |  |  |
| EVE                         |                  |              |         |         | 0 50              | 3 50        |             |                   |                    |             |               |                   |                |                 |            |            |            |                |                 |                  |                |                    |       |         |            | 4 00  |       |  |  |          |  |     |     |     |  |  |  |  |  |
| TOTAL                       |                  | 5 75         |         |         | 5 00              | 12 00       | 0 50        |                   |                    | 0 50        |               |                   |                |                 |            |            |            |                |                 |                  |                | 0 25               |       |         |            | 24 00 |       |  |  |          |  |     |     |     |  |  |  |  |  |

| NO. DRILLING ASSEMBLY<br>(AT END OF TOUR) |           |         |    | BIT RECORD |   |               |            | MUD RECORD       |      |           |  | METERS DRILLED |    |                          |                  | TIME LOG   |           |            |                 | TIME DETAIL                         |                                   |  |  |  |  |
|-------------------------------------------|-----------|---------|----|------------|---|---------------|------------|------------------|------|-----------|--|----------------|----|--------------------------|------------------|------------|-----------|------------|-----------------|-------------------------------------|-----------------------------------|--|--|--|--|
| BIT BELLS                                 |           | O.D.    | IR | 0.25       | m | BIT NO.       | 2π         | WATER BASED      |      | OIL BASED |  | FROM           | TO | DRILL/<br>REAM/CR.       | ROTARY<br>R.P.M. | WT ON BIT  | FROM      | TO         | ELAPSED<br>TIME | CODE                                |                                   |  |  |  |  |
| 1                                         | BIT SUB   | 165     |    | 0 83       | m |               |            | TIME             | 2000 |           |  | 1409.00        |    |                          |                  |            | 2000      | 2030       | 0.50            | 5                                   | COND MUD & CIRC                   |  |  |  |  |
| 4                                         | D C       | 164     |    | 34 36      | m |               |            | DENSITY          | 1250 |           |  |                |    |                          |                  |            | 2030      | 2400       | 3.50            | 6                                   | FLOW CHECK POH TO LOG             |  |  |  |  |
|                                           | JAR       | 160     |    | 5.20       | m |               |            | FUNNEL           | 108  |           |  |                |    |                          |                  |            | 2400      |            |                 |                                     | FLOW CHECKS AT 1399 / 645 / 212 M |  |  |  |  |
| 12                                        | D C       | 164     |    | 103 85     | m |               |            | VIS s/l          |      |           |  |                |    |                          |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
| 8                                         | H.W D P   | 114     |    | 75 18      | m |               |            | W.L cm/<br>FILCK | 8 0  |           |  |                |    |                          |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           | X.O       | 152     |    | 0 39       | m |               |            | PH               | 11 5 |           |  |                |    |                          |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | Type          | ETD34MS    |                  |      |           |  |                |    | Circ. Press (Pps)        |                  | PUMP NO. 1 |           | PUMP NO. 2 |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | SERIAL NO.    | 171573     |                  |      |           |  |                |    | LINER(mm)                |                  | SPM        | LINER(mm) |            | SPM             |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | JETS (mm)     | 11.111.111 |                  |      |           |  |                |    | REDUCED PUMP SPEED       |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | DEPTH IN (m)  | 1409 00    |                  |      |           |  |                |    | @                        |                  | 0          | @         |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | DEPTH OUT (m) | 1409 00    |                  |      |           |  |                |    | SOLIDS CONTROL EQUIPMENT |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | TOTAL METER   | 0 00       |                  |      |           |  |                |    | DESILTER                 |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | TOTAL HOURS   |            |                  |      |           |  |                |    | HOURS                    |                  | INTAKE     | OVERFLOW  | UNDERFLOW  |                 |                                     |                                   |  |  |  |  |
| 61                                        | DRILLPIPE | STANDS  |    | 1185 33    | m |               |            |                  |      |           |  |                |    | CENTRIFUGE               |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           | DRILLPIPE | SINGLES |    |            | m |               |            |                  |      |           |  |                |    | HOURS                    |                  | INTAKE     | OVERFLOW  | UNDERFLOW  |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | KELLY DOWN    | 3.61       |                  |      |           |  |                |    |                          |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | TOTAL         | 1409.00    |                  |      |           |  |                |    |                          |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | WT. OF D.C.   | 18         |                  |      |           |  |                |    | HRS. RUN                 |                  | BOILER PH  |           | STACK deg  |                 | Notes: FT. CROWN SAVER & MOTOR KILL |                                   |  |  |  |  |
|                                           |           |         |    |            |   | WT. OF STRING | 41         |                  |      |           |  |                |    | 8 00                     |                  | 10 0       |           | 430        |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | DRAG          | dan        |                  |      |           |  |                |    | MACP                     |                  | 2800       |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | TORQUE        |            |                  |      |           |  |                |    | MAX HOOKLOAD             |                  | 43         |           |            |                 |                                     |                                   |  |  |  |  |
|                                           |           |         |    |            |   | FILL          | m          |                  |      |           |  |                |    |                          |                  |            |           |            |                 |                                     |                                   |  |  |  |  |
| DRILLERS SIGNATURE                        |           |         |    |            |   | MYLES LOW     |            |                  |      |           |  |                |    |                          |                  |            |           |            |                 |                                     |                                   |  |  |  |  |



LICENCE NO : **WID1934**

**PARA etal NOGHA P C-49**

OPERATOR. **PARAMOUNT RESOURCES LTD.**

**CONTRACTOR. WILSON DRILLING LTD.**

**SURFACE LOCATION**

UNIQUE ID - 300C496640125450

**OPERATORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)**

**CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)**

# YUGON HOPE

# CLINT MAYER

## SAFETY TOPIC

**LOADER**

[illegible][illegible]

|                                            |  |                                                  |  |                                                                                                                                                                                                                                                       |  |                                                                                                                               |  |                                                                                                              |  |
|--------------------------------------------|--|--------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO : <b>WID1934</b>                |  | WELL NAME AND NO : <b>PARA etal NOGHA P C-49</b> |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well Unseal & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM                                                                                     |  | WORKSHEET NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RG <b>114</b> BOILER                                   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b> |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>         |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A. O D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                      |  | CM<br>CM<br>CM<br>CM                                                                                                          |  | TEMPERATURE <b>-22</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTION <b>S.E</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                         |  | UNIQUE I.D. : <b>300C496640125450</b>            |  | OPERATORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY )                                                                                                                           |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |                                                                                                              |  |

[illegible]

Evening Shift

LICENCE NO. WID1934

WELL NAME AND NO. PARA etal NOGHA P C-49

OPERATOR. PARAMOUNT RESOURCES LTD.

CONTRACTOR. WILSON DRILLING LTD.

SURFACE LOCATION.

UNIQUE I D : 300C496640125450

OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE - (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

YUGON HOPE

CLINT MAYER

SAFETY TOPIC

LAST CASING TUBING OR LINER

0.D mm244 5

MIN. I.D224 4

kg/m59 53

MAKEipsco

GRADEI-80

# OF JOINTS38

TOTAL (m)509 38

KB TO CSG.5 00

SET AT (m)509 00

SHALES SHAKER(S)NO. 1 TYPE KING COBRA

RENTALS / SERVICES

Mon

Tue

Wed

CHANGE SCREENS

TOP80140

MIDDLE80140

BOTTOM110

110

110

175

DC DP SIZE102

KG / M20.84

GRADEE

MIN. I.D84

TDOL JT. O.D.117

TYPE THREAD4"FH

# OF JOINTS208

PUMP MANUFACTUREROILWELL

PUMP TYPEPT-850

STROKE LTH.229

114

62.45

H.W.D.

70

158

4.5"XH

20

FMSCO

375

356

151.70

D.C

73

171

4.5"XH

20

CODE NO.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

TOTAL

OPER.

GROUP & TEARDOWN

DRILL ACTUAL

REAMING

CORING

COND. MUD & CIRC.

TRIPS

RIG SERVICE

REPAIRS

CUT OFF DRILL LINE

DEV SURVEY

WIRELINE LOSS

RUN CSG. & CEMENT

WAIT ON CEMENT

REFILL UP B.O.P.

TEST B.O.P.

DRILL STEER

FLUD BACK

SQUEEZE CEMENT

FISHING

DIRECTIONAL WORK

SAFETY MEETING

BORN

7 25

0.25

0 50

DAY

11 25

0.25

0 50

EVE

3 50

0.25

0 25

TOTAL

22 00

0.75

1 25

NO.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

TOTAL

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1

BITT MILES

0.25

mm

BIT NO. 2

SIZE (mm) 216 0

WATER BASED

TIME 2000

2300

FROM 1385 00

TO 1391.00

DRILL/REAM/CR. D

ROTARY R.P.M. 40

WT ON BIT 17

FROM 2000

TO 2230

ELAPSED TIME 2.50

CODE 2

DRILL F/1385M - 1389

FLOAT SUB

165

0 80

mm

DENSITY 1250

1250

2230

2245

0.25

10

DEV. SURVEY

X.O

166

0 22

mm

FUNNEL VIS s/l 57

57

2245

2300

0.25

7

RIG SERVICE

MONEL

164

9 47

mm

W.L. cm/ FILCK 10 0

10 0

2300

2400

1.00

2

DRILL 216 MM HOLE 1389 - 1391

TRANSMITT

159

1 80

mm

PH 11 0

11 0

2400

MONEL

164

9 47

mm

REDUCED PUMP SPEED

X.O

165

0 70

mm

3930

@ 63

@ 1389

4

DC

164

34 36

mm

DEPTH IN (m) 1204 00

SOLIDS CONTROL EQUIPMENT

JAR

160

5.20

mm

DESILTER

DC

164

103 85

mm

HOURS

INTAKE

OVERFLOW

UNDERFLOW

8

H.W.D.P.

114

75 18

mm

DEPTH OUT (m)

CENTRIFUGE

X.O

152

0 39

mm

TOTAL METER 187 00

HOURS

INTAKE

OVERFLOW

UNDERFLOW

58

DRILLPIPE

STANDS

1136 60

mm

TOTAL HOURS 49.25

HOURS

INTAKE

OVERFLOW

UNDERFLOW

1

DRILLPIPE

SINGLES

mm

DEVIATION SURVEY

KELLY DOWN

4.62

mm

DEPTH (m) 1373 54

DEVIATION 2 30

DIRECTION 234 6

HOURS

INTAKE

OVERFLOW

UNDERFLOW

TOTAL

1391.01

mm

BOILER

WT. OF D.C.

18

1000

dan

HRS. RUN 8 00

PH 10 0

STACK deg 430

Notes:

WT. OF SPRING

44

1000

dan

MACP 2970

FT CROWN SAVER

DRILLERS SIGNATURE

MYLES LOW

MAX HOOKLOAD 46

BLEW BOILER 1X

|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                          |  |
|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO <b>WID1934</b>                                                                                                  |  | WELL NAME AND NO. <b>PARA etal NOGHA P C-49</b>                                                                              |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | RIG NO <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>110</b> BOILER                                                     |  |
| OPERATOR <b>PARAMOUNT RESOURCES LTD.</b>                                                                                   |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                       |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A. O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  | CM<br>CM<br>CM<br>CM<br>CM                         |  | WEATHER<br>TEMPERATURE <b>-25</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                                                                                                         |  | UNIQUE ID <b>300C496640125450</b>                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                          |  |
| OPERATORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                          |  |

[illegible]



|                                            |  |                                                   |  |                                                                                                                                                                                                                                                       |  |                                                                                                                            |                                                                                                                          |
|--------------------------------------------|--|---------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| LICENCE NO : <b>WID1934</b>                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b> |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOPs - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM                                                                                  | RIG NO <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>110</b> BOILER                                                     |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b> |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>          |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A. O D.C Rig Safety Inspection Checklist(one/mo/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  | CM<br>CM<br>CM<br>CM<br>CM                                                                                                 | WEATHER<br>TEMPERATURE <b>-25</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |
| SURFACE LOCATION :                         |  | UNIQUE I.D. : <b>300C496640125450</b>             |  | OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                              |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                                                                                                                          |

| YUGON HOPE                         |                   |              |         |              |                   |             |                    |             |                    | CLINT MAYER      |                          |                   |                         |                         |            |                  |               |                |                                            | SAFETY TOPIC                                         |                                                |                    |    |    |          |       |       |  |  | D P TORQUE  |  |     |     |     |
|------------------------------------|-------------------|--------------|---------|--------------|-------------------|-------------|--------------------|-------------|--------------------|------------------|--------------------------|-------------------|-------------------------|-------------------------|------------|------------------|---------------|----------------|--------------------------------------------|------------------------------------------------------|------------------------------------------------|--------------------|----|----|----------|-------|-------|--|--|-------------|--|-----|-----|-----|
| LAST CASING TUBING OR LINER        | O.D mm            |              | MIN. LD |              | kg/m              |             | MAKE               |             | GRADE              |                  | # OF JOINTS              |                   | TOTAL (m)               |                         | KB TO CSG. |                  | SET AT (m)    |                | SHALE SHAKER(S)                            |                                                      |                                                | RENTALS / SERVICES |    |    |          |       |       |  |  |             |  | Mom | Day | Eve |
|                                    | 244.5             |              | 224 4   |              | 59 53             |             | ipsco              |             | I-80               |                  | 38                       |                   | 509 38                  |                         | 5 00       |                  | 509 00        |                | NO. 1                                      | TYPE KING                                            | TYPE                                           |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         |              |                   |             |                    |             |                    |                  | CHANGE SCREENS           |                   |                         | YES                     | NO         |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         |              |                   |             |                    |             |                    |                  | TOP 80140                |                   |                         | TOP 110                 |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         |              |                   |             |                    |             |                    | MIDDLE 80140     |                          |                   | MIDDLE 110              |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         |              |                   |             |                    |             |                    | BOTTOM 110       |                          |                   | BOTTOM 175              |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| DP SIZE                            | KG / M            | GRADE        | MIN. LD | TOOL JT O.D. | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER  |             | PUMP TYPE          |                  | STROKE LTH.              |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | 20.84             | F            | 84      | 117          | 4"FH              | 20          | OILWELL            |             | PT-850             |                  | 229                      |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| 114                                | 62.45             | H.W.D        | 70      | 158          | 4.5"XH            | 20          | EMSCO              |             | 375                |                  | 356                      |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| 165                                | 151.70            | D.C          | 73      | 171          | 4.5"XH            | 20          |                    |             |                    |                  |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| CODE NO.                           | 1                 | 2            | 3       | 4            | 5                 | 6           | 7                  | 8           | 9                  | 10               | 11                       | 12                | 13                      | 14                      | 15         | 16               | 17            | 18             | 19                                         | 20                                                   | 21                                             | 22                 | 23 | 24 | 25       | 26    | TOTAL |  |  |             |  |     |     |     |
| OPER.                              | GROUP & TEARDOWN  | DRILL ACTUAL | READING | CORING       | COND. MUD & CIRC. | TRIPS       | R/O SERVICE        | REPAIRS     | CUT OFF DRILL LINE | DEV SURVEY       | WELDING LOGS             | RUN CSG. & CEMENT | WAIT ON CEMENT          | NIPPLE UP B.O.P         | TEST B.O.P | DRILL STEM       | PLUG BACK     | SQUEEZE CEMENT | FISHING                                    | DIRECTIONAL WORK                                     | SAFETY MEETING                                 |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| MORN                               |                   | 7 00         |         |              |                   |             | 0.25               |             |                    | 0 50             |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      | 0.25                                           |                    |    |    |          |       | 8 00  |  |  |             |  |     |     |     |
| DAY                                |                   | 11 00        |         |              | 0 25              |             | 0 25               |             |                    | 0 50             |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          | 12 00 |       |  |  |             |  |     |     |     |
| EVE                                |                   | 3 50         |         |              |                   |             | 0.25               |             |                    | 0.25             |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          | 4.00  |       |  |  |             |  |     |     |     |
| TOTAL                              |                   | 21 50        |         |              | 0 25              |             | 0.75               |             |                    | 1 25             |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      | 0 25                                           |                    |    |    |          | 24 00 |       |  |  |             |  |     |     |     |
| DRILLING ASSEMBLY (AT END OF TOUR) |                   |              |         |              |                   |             |                    |             |                    | BIT RECORD       |                          |                   |                         |                         | MUD RECORD |                  |               |                |                                            | METERS DRILLED                                       |                                                |                    |    |    | TIME LOG |       |       |  |  | TIME DETAIL |  |     |     |     |
| 1                                  | BIT SIZES         | O.D.mm       | 0.25    | m            | BIT NO            | 2           | WATER BASED        |             | X                  | OIL BASED        |                          | FROM              |                         | TO                      |            | DRILL/ REAM/C.R. | ROTARY R.P.M. | WT ON BIT      | FROM                                       | TO                                                   | ELAPSED TIME                                   | CODE               |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | FLOAT SUB         | 159          | 8 10    | m            | SIZE (mm)         | 216 0       | TIME               |             | 800                | 1200             | 1600                     | 1253.00           | 1302.00                 | D                       | 25         | 16               | 800           | 1245           | 4.75                                       | 2                                                    | DRILL F/1253M - 1272M                          |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | X.O               | 166          | 0.22    | m            | IADC CODE         |             | DENSITY kg/m3      |             | 1230               | 1245             | 1250                     |                   |                         |                         |            |                  | 1245          | 1300           | 0.25                                       | 5                                                    | CIRC.,WORK DRILL STRING & CLEAN UP HOLE        |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | MONEL             | 164          | 9 47    | m            | WFG. CODE         |             | FUNNEL VIS s/l     |             | 61                 | 58               | 53                       |                   |                         |                         |            |                  | 1300          | 1315           | 0.25                                       | 7                                                    | RIG SERVICE F/T H.C.R. 3 SECS. T/O 3 SECS. T/C |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | TRANSMITT MONEL   | 159          | 1 80    | m            | WFL. cm/ FILCK    | VAREL       | PH                 |             | 10 5               | 10 5             | 10 5                     | Circ. Press (kPa) | PUMP NO.1 LINER(mm) SPH | PUMP NO.2 LINER(mm) SPH |            |                  | 1315          | 1930           | 6.25                                       | 2                                                    | DRILL F/1272M - 1302M                          |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | D C               | 164          | 34 36   | m            | Type              | ETD34MS     | PVT                |             | 39 40              | 43 00            | 47 00                    | 12200             | 152.0                   | 110                     | 152 0      |                  | 1930          | 2000           | 0.50                                       | 10                                                   | ACC. DEV. SURVEYS                              |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | JAR               | 160          | 5.20    | m            | SERIAL NO.        | 171573      | REDUCED PUMP SPEED |             |                    |                  |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | D C               | 164          | 103 85  | m            | JETS (mm)         | 11,11,11,1  | MUD MATERIALS USED |             |                    |                  |                          | 3870              | @                       | 62                      | @          | 1272             |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | H.W D P           | 114          | 75 18   | m            | DEPTH IN (m)      | 1204 00     | TYPE               |             | QTY                | UNITS            | SOLIDS CONTROL EQUIPMENT |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    | X.O               | 152          | 0.39    | m            | DEPTH OUT (m)     |             | SALT               |             | 27                 | SX               | DESILTER                 |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         | m            | TOTAL METER       | 98 00       | BIOLOSE            |             | 10                 | SX               | CENTRIFUGE               |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         | m            | TOTAL HOURS       | 23 75       | DEFOAMER           |             | 1                  | PAIS             | HOURS                    |                   |                         |                         |            | INTAKE           | OVERFLOW      | UNDERFLOW      |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         | m            |                   |             | PRE-MIX            |             | 13                 | M3               |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| 35                                 | DRILLPIPE STANDS  | 1029 7 m     |         |              | INNER             | OUTER       | DULL               | LOCATION    | BEARINGS           | GAGE/mm          | OTHER                    | REASON            | R.O.P                   | 800 00                  |            |                  |               |                | 1230                                       | 1270                                                 | 1190                                           |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| 1                                  | DRILLPIPE SINGLES | 9 72 m       |         |              |                   |             |                    |             |                    |                  |                          |                   |                         |                         |            |                  |               |                | TRANSFER 9cm FROM RIG TANK TO PRE-MIX TANK |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| KELLY DOWN                         | 12.78 m           |              |         |              |                   |             |                    |             |                    |                  |                          |                   |                         |                         |            |                  |               |                | TRANSFER 125cm TO RIG TANK                 |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| TOTAL                              | 1302.00 m         |              |         |              |                   |             |                    |             |                    |                  |                          | DEVIATION SURVEY  |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| WT. OF D.C.                        | 18                | 1000 DAN     |         | DRAG DAN     |                   | 1-3 UP 1-   |                    | DEPTH ( m ) |                    | DEVIATION        |                          | DIRECTION         |                         | HRS. RUN                |            | BOILER PH        |               | STACK DEG      |                                            | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| WT. OF STRING                      | 42                | 1000 DAN     |         | TORQUE       |                   | 225         |                    | 1236 00     |                    | 1 80             |                          | 332.0             |                         | 1200                    |            | 11 0             |               | 420            |                                            | CHECK & RESET CROWN SAVER F/T REMOTE CHOKE           |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         |              |                   |             |                    |             |                    | 1266 00          |                          | 2 40              |                         | 320 1                   |            | MACP             |               | 3000           |                                            | BLOW DOWN BOILERS 4X                                 |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
|                                    |                   |              |         |              |                   |             |                    |             |                    | 1275 00          |                          | 2 10              |                         | 318 3                   |            | MAX HOOKLOAD     |               | 45             |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |
| DRILLERS SIGNATURE                 |                   |              |         |              |                   |             |                    |             |                    | MONTE RUTHERFORD |                          |                   |                         |                         |            |                  |               |                |                                            |                                                      |                                                |                    |    |    |          |       |       |  |  |             |  |     |     |     |

|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                                 |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO : <b>WID1934</b>                                                                                               |  | WELL NAME AND NO : <b>PARA etal NOGHA P C-49</b>                                                                             |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | REG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>REG <b>110</b> BOILER                                                           |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D.C Rig Safety Inspection Checklist(one/mg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                         |  | CM<br>CM<br>CM<br>CM<br>CM                         |  | <b>WEATHER</b><br>TEMPERATURE <b>-25</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION .                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                                 |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                                 |  |

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( If Required )
- (4) Well License & Sltik Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Flarelines & Degasser Lines

  

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A.O D C Rig Safety Inspection Checklist(one/mg/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kils Checked

|    |         |                   |        |       |        |     |    |
|----|---------|-------------------|--------|-------|--------|-----|----|
| YH | CM      | YEAR              | 2003   | MONTH | 2      | DAY | 23 |
| YH | CM      | REG NO.           | 3      |       |        |     |    |
| YH | CM      | FUEL @ 08:00 HRS. |        |       |        |     |    |
| YH | CM      | REG               | 110    |       | BOILER |     |    |
| CM | WEATHER | TEMPERATURE       | -25    |       |        |     |    |
| CM |         | CONDITIONS        | CLOUDY |       |        |     |    |
| CM |         | WIND DIRECTION    | CALM   |       |        |     |    |
| CM |         | ROAD CONDITION    | ICE    |       |        |     |    |

# CLINT MAYER

## SAFETY TOPIC

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. LD | kg/m          | MAKE              | GRADE       | # OF JOINTS       | TOTAL (m) | KB TO CSG.         | SET AT (m)   | SHALE SHAKER(S) |                   |                | RENTALS / SERVICES |            |            |           |                |         |                  |                |    |    |    |    | Mon   | Day   | Eve |  |
|-----------------------------|------------------|--------------|---------|---------------|-------------------|-------------|-------------------|-----------|--------------------|--------------|-----------------|-------------------|----------------|--------------------|------------|------------|-----------|----------------|---------|------------------|----------------|----|----|----|----|-------|-------|-----|--|
|                             | 244 5            |              | 224 4   | 59 53         | ipsco             | I-80        | 38                | 509 38    | 5 00               | 509 00       | NO. 1           | TYPE KING         | TYPE           |                    |            |            |           |                |         |                  |                |    |    |    |    |       |       |     |  |
|                             |                  |              |         |               |                   |             |                   |           |                    |              | CHANGE SCREENS  |                   | YES            | ON                 |            |            |           |                |         |                  |                |    |    |    |    |       |       |     |  |
|                             |                  |              |         |               |                   |             |                   |           |                    |              | TOP 80140       | TOP 110           |                |                    |            |            |           |                |         |                  |                |    |    |    |    |       |       |     |  |
| DC DP SIZE                  | KG / M           | GRADE        | MIN. ID | TOOL JT. O.D. | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE | STROKE LTH.        | MIDDLE 80140 | MIDDLE 110      |                   |                |                    |            |            |           |                |         |                  |                |    |    |    |    |       |       |     |  |
|                             | 20.84            | E            | 84      | 117           | 4"FH              | 208         | OILWELL           | PT-850    | 229                |              |                 |                   |                |                    |            |            |           |                |         |                  |                |    |    |    |    |       |       |     |  |
|                             | 62.45            | H.W.D.       | 70      | 158           | 4.5"XH            | 20          | EMSCO             | 375       | 356                |              |                 |                   |                |                    |            |            |           |                |         |                  |                |    |    |    |    |       |       |     |  |
| 165                         | 151.70           | D.C          | 73      | 171           | 4.5"XH            | 20          |                   |           |                    | BOTTOM 110   | BOTTOM 175      |                   |                |                    |            |            |           |                |         |                  |                |    |    |    |    |       |       |     |  |
| CODE NO.                    | 1                | 2            | 3       | 4             | 5                 | 6           | 7                 | 8         | 9                  | 10           | 11              | 12                | 13             | 14                 | 15         | 16         | 17        | 18             | 19      | 20               | 21             | 22 | 23 | 24 | 25 | 26    | TOTAL |     |  |
| OPER.                       | RODUP & TEARDOWN | DRILL ACTUAL | REARING | CORING        | CORO. BRID & CPG. | TRIPS       | ROD SERVICE       | REPAIRS   | CUT OFF DRILL. LNE | DEV SURVEY   | WIRELINE LOGS   | RUN CSG. & CEMENT | WAIT ON CEMENT | RIFFLE UP B.O.P    | TEST B.O.P | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |    |    |    |    |       |       |     |  |
| MORN                        |                  | 7 00         |         |               |                   |             | 0.25              |           |                    | 0 50         |                 |                   |                |                    |            |            |           |                |         |                  | 0 25           |    |    |    |    | 8 00  |       |     |  |
| DAY                         |                  | 11 00        |         |               | 0.25              |             | 0 25              |           |                    | 0 50         |                 |                   |                |                    |            |            |           |                |         |                  |                |    |    |    |    | 12 00 |       |     |  |
| EVE                         |                  | 3 50         |         |               |                   |             | 0 25              |           |                    | 0 25         |                 |                   |                |                    |            |            |           |                |         |                  |                |    |    |    |    | 4 00  |       |     |  |
| TOTAL                       |                  | 21 50        |         |               | 0 25              |             | 0 75              |           |                    | 1 25         |                 |                   |                |                    |            |            |           |                |         |                  | 0 25           |    |    |    |    | 24 00 |       |     |  |

[illegible]



## MORNING SHIFT

LICENCE NO. : WID1934

WELL NAME AND NO. :

PARA etal NOGHA P C-49

OPERATOR :  
PARAMOUNT RESOURCES LTD.CONTRACTOR :  
WILSON DRILLING LTD.

SURFACE LOCATION :

UNIQUE I.D. :  
300C496640125450

OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE &amp; CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE &amp; CORRECT TO THE BEST OF MY ABILITY)

- (1) Daily Walk Around Inspection  
(2) Detailed Inspection-Weekly (Using Check List )  
(3) H2S Signs Posted( If Required )  
(4) Well License & Slick Diagram Posted  
(5) Flare Lines Staked  
(6) BOP Drills Performed  
(7) Visually Inspect BOP's - Flarelines & Degasser Lines  
(1) Rig Site Health and Safety Meeting (one/crew/month)  
(2) C.A..O.D.C. Rig Safety Inspection Checklist(one/rig/month)  
(3) Mast Inspection Before Raising or Lowering  
(4) Crown Saver Checked  
(5) Motor Kills Checked

| UPR. | FLER. | YEAR                | 2003 | MONTH | 2 | DAY | 22     |
|------|-------|---------------------|------|-------|---|-----|--------|
| YH   | CM    | RIG NO.: 3          |      |       |   |     |        |
| YH   | CM    | FUEL @ 08:00 HRS.   |      |       |   |     |        |
| YH   | CM    | RIG 216             |      |       |   |     | BOILER |
| YH   | CM    | TEMPERATURE -30     |      |       |   |     |        |
| YH   | CM    | CONDITIONS CLEAR    |      |       |   |     |        |
| YH   | CM    | WIND DIRECTION CALM |      |       |   |     |        |
| YH   | CM    | ROAD CONDITION ICE  |      |       |   |     |        |

YUGON HOPE

CLINT MAYER

SAFETY TOPIC

TRIPPING

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D |        | kg/m              |         | MAKE        |               | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                    | KB TO CSG.  |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                |       | RENTALS / SERVICES |        |     |     |       |       |  |  |  |  |  |  | Morn | Day | Even |  |  |  |  |  |
|-----------------------------|------------------|--------------|----------|--------|-------------------|---------|-------------|---------------|--------------------|-------------|---------------|-------------------|----------------|--------------------|-------------|------------|------------|----------------|-----------------|------------------|----------------|-------|--------------------|--------|-----|-----|-------|-------|--|--|--|--|--|--|------|-----|------|--|--|--|--|--|
|                             |                  |              |          |        |                   |         |             |               |                    |             |               |                   |                |                    |             |            |            |                | NO. 1           |                  | TYPE KING      |       | TYPE               |        |     |     |       |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |               |                    |             |               |                   |                |                    |             |            |            |                | CHANGE SCREENS  |                  |                |       | YES                |        | NO  |     |       |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
|                             |                  |              |          |        |                   |         |             |               |                    |             |               |                   |                |                    |             |            |            |                |                 |                  | TOP            |       | 80140              |        | TOP |     | 110   |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| PC. DP SIZE                 |                  | KG / M       |          | GRADE  |                   | MIN. ID |             | TOOL JT. O.D. |                    | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER  |             | PUMP TYPE  |            | STROKE LTH.    |                 | MIDDLE           |                | 80140 |                    | MIDDLE |     | 110 |       |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| 114                         |                  | 62.45        |          | H.W.D. |                   | 70      |             | 158           |                    | 4.5"XH      |               | 20                |                | EMSCO              |             | PT-850     |            | 229            |                 |                  |                |       |                    |        |     |     |       |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| 165                         |                  | 151.70       |          | D.C    |                   | 73      |             | 171           |                    | 4.5"XH      |               | 20                |                |                    |             |            |            |                |                 | BOTTOM           |                | 110   |                    | BOTTOM |     | 175 |       |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| CODE NO.                    | 1                | 2            | 3        | 4      | 5                 | 6       | 7           | 8             | 9                  | 10          | 11            | 12                | 13             | 14                 | 15          | 16         | 17         | 18             | 19              | 20               | 21             | 22    | 23                 | 24     | 25  | 26  | TOTAL |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| OPER.                       | REGUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING | COND. MUD & CIRC. | TRIPS   | RIG SERVICE | REPAIR/RIG    | CUT OFF DRILL LINE | DEV. SURVEY | WIRELINE LOGS | RUN CBL. & CEMENT | WAIT ON CEMENT | PIPELINE UP B.O.P. | TEST B.O.P. | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING | OTHER |                    |        |     |     |       |       |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| MORN                        |                  | 2.25         |          |        | 0.75              | 4.75    | 0.25        |               |                    |             |               |                   |                |                    |             |            |            |                |                 |                  |                |       |                    |        |     |     |       | 8.00  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| DAY                         |                  | 2.50         |          |        | 0.75              | 5.00    | 0.25        |               | 1.00               |             |               |                   |                |                    |             |            |            |                |                 |                  |                | 2.50  |                    |        |     |     |       | 12.00 |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| EVE                         |                  | 3.25         |          |        |                   |         | 0.25        |               |                    | 0.50        |               |                   |                |                    |             |            |            |                |                 |                  |                |       |                    |        |     |     |       | 4.00  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |
| TOTAL                       |                  | 8.00         |          |        | 1.50              | 9.75    | 0.75        |               | 1.00               | 0.50        |               |                   |                |                    |             |            |            |                |                 |                  |                | 2.50  |                    |        |     |     |       | 24.00 |  |  |  |  |  |  |      |     |      |  |  |  |  |  |

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |               |         |             | BIT RECORD |                  |          |      | MUD RECORD |          |         |       | METERS DRILLED |         |                    |                  |            | TIME LOG |     |                 |      | TIME DETAIL                                                |  |  |  |
|---------------------------------------|---------------|---------|-------------|------------|------------------|----------|------|------------|----------|---------|-------|----------------|---------|--------------------|------------------|------------|----------|-----|-----------------|------|------------------------------------------------------------|--|--|--|
| 1                                     | BIT/ MILLS    | O.D. mm | 0.25        | m          | BIT NO.          | 1        |      |            |          |         |       | FROM           | TO      | DRILL/<br>REAM/CR. | ROTARY<br>R.P.M. | WT. ON BIT | FROM     | TO  | ELAPSED<br>TIME | CODE |                                                            |  |  |  |
|                                       | MOTOR         | 159     | 8.10        | m          | SIZE (mm)        | 216.0    |      |            |          |         |       | 1195.00        | 1204.00 | D                  | 27               | 14         | 0        | 15  | 0.25            | 7    | RIG SERVICE FT. PIPE RAMS C/O 7 SEC.                       |  |  |  |
|                                       | FLOAT SUB     | 165     | 0.80        | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            | 15       | 230 | 2.25            | 2    | DRILL 216MM HOLE 1195- 1204                                |  |  |  |
|                                       | X.O.          | 166     | 0.22        | m          | IADC<br>CODE     |          |      |            |          |         |       |                |         |                    |                  |            | 230      | 315 | 0.75            | 5    | CIRC. BOTTOMS UP /                                         |  |  |  |
|                                       | MONEL         | 164     | 9.47        | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | TRANSMITT     | 159     | 1.80        | m          | MPG.             | HUGHES   |      |            |          |         |       |                |         |                    |                  |            | 315      | 800 | 4.75            | 6    | PUMP PILL /FLOW CHECK / POH / FLOW CHECKS 1170 /965 / 245M |  |  |  |
|                                       | MONEL         | 164     | 9.47        | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | X.O.          | 165     | 0.70        | m          | Type             | GTS30H   |      |            |          |         |       |                |         |                    |                  |            | 800      |     |                 |      |                                                            |  |  |  |
|                                       | D.C.          | 164     | 34.36       | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | JAR           | 160     | 5.20        | m          | SERIAL<br>NO.    | 6002937  |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
| 12                                    | D.C.          | 164     | 103.85      | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
| 8                                     | H.W.D.P.      | 114     | 75.18       | m          | JETS (mm)        | 11.11.12 |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | X.O.          | 152     | 0.39        | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             | m          | DEPTH IN<br>(m)  | 509.00   |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             | m          | DEPTH<br>OUT (m) | 1204.00  |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             | m          | TOTAL<br>METER   | 695.00   |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
| 48                                    | DRILLPIPE     | STANDS  | 942.14      | m          | TOTAL<br>HOURS   | 96.50    |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
| 1                                     | DRILLPIPE     | SINGLES |             | m          | INNER            | OUTER    | PULL | LOCATION   | BEARINGS | GADE/mm | OTHER | REASON         | R.O.P.  |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | KELLY DOWN    | 12.85   |             | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | TOTAL         | 1204.78 |             | m          |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | WT. OF D.C.   | 18      | 1000<br>dan |            | DRAG dan         | 3        |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            | TORQUE           | 175      |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       | WT. OF STRING | 40      | 1000<br>dan |            | FILL m           |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
| DRILLERS SIGNATURE MYLES LOW          |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |
|                                       |               |         |             |            |                  |          |      |            |          |         |       |                |         |                    |                  |            |          |     |                 |      |                                                            |  |  |  |



|                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------|--|--|--|--|------------|--|--|--|--|--|--|--|--|--|------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DAY SHIFT                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted (If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines<br>(1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kibs Checked |  |  |  |  |  |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 22                                                         |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LICENCE NO. : WID1934 WELL NAME AND NO. : PARA etal NOGHA P C-49                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | RIG NO 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | FUEL @ 08:00 HRS.                                                                |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CONTRACTOR : WILSON DRILLING LTD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  | RIG 216 BOILER                                                                   |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION. :                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | UNIQUE ID : 300C496640125450                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  | WEATHER                                                                          |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TEMPERATURE -30<br>CONDITIONS CLEAR<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| YUGON HOPE                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SAFETY TOPIC                                                                     |  |  |  |  | MUD MOTORS |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                               |  |  |  |  |            |  |  |  |  |  |  |  |  |  | Morn Day Eve                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO. 1 TYPE KING TYPE                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CHANGE SCREENS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  | YES NO                                                                           |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOP 80140 TOP 110                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  | MIDDLE 80140 MIDDLE 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BOTTOM 110 BOTTOM 175                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO. DP SIZE KG / M GRADE MIN. ID TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 114 20.84 E 84 117 4"FH 208 OILWELL PT-850 229                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165 62.45 H.W.D. 70 158 4.5"XH 20 EMSCO 375 356                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 165 151.70 D.C. 73 171 4.5"XH 20                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOGS RUN CBL. & CEMENT WAIT ON CEMENT HPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MORN 2.25 0.75 4.75 0.25                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  | 8.00       |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DAY 2.50 0.75 5.00 0.25 1.00                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  | 12.00      |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EVE 3.25 0.25 0.50                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  | 4.00       |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL 8.00 1.50 9.75 0.75 1.00 0.50                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  | 24.00      |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR)                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BIT RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  | MUD RECORD                                                                       |  |  |  |  |            |  |  |  |  |  |  |  |  |  | METERS DRILLED                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TIME LOG                                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 BIT MILES O.D. mm 0.25 m                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BIT NO 1 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  | WATER BASED x OIL BASED                                                          |  |  |  |  |            |  |  |  |  |  |  |  |  |  | FROM TO DRILL/REAM/CR. ROTARY R.P.M. WT ON BIT |  |  |  |  |  |  |  |  |  |  |  |  |  |  | FROM TO ELAPSED TIME CODE                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MOTOR 159 8.10 m                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SIZE (mm) 216.0 216.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TIME 1800                                                                        |  |  |  |  |            |  |  |  |  |  |  |  |  |  | 1204.00 1205.00 D 25 8                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 800 1000 2.00 22                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FLOAT SUB 165 0.80 m                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1220                                                                             |  |  |  |  |            |  |  |  |  |  |  |  |  |  | 1205.00 1214.00 D 25 12                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1000                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X.O 166 0.22 m                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  | IADC CODE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | FUNKEL VIS. 57                                                                   |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1000 1015 0.25 7                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MONEL 164 9.47 m                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | MFG. HUGHES (VAREL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8.5                                                                              |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1015 1100 0.75 6                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRANSMITT 159 1.80 m                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Type GTS30H ETD34MS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10.0                                                                             |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1100 1245 1.75 6                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MONEL 164 9.47 m                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SERIAL NO. 6002937 171573                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 42.50                                                                            |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1245 1345 1.00 9                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X.O 165 0.70 m                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  | JETS (mm) 11 11 12 11.1 11.1 11.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED                                                               |  |  |  |  |            |  |  |  |  |  |  |  |  |  | 3100 @ 60 @ 1204                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1345 1415 0.50 22                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D.C 164 34.36 m                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DEPTH (m) 509.00 1204.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TYPE QTY UNITS                                                                   |  |  |  |  |            |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1415 1645 2.50 6                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JAR 160 5.20 m                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DEPTH (m) 1204.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | DESILTER                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1645 1700 0.25 5                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D.C 164 103.85 m                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL METER 695.00 10.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1700 1730 0.50 5                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H.W.D.P 114 75.18 m                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL HOURS 96.50 2.50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1730 2000 2.50 2                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X.O 152 0.39 m                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2000                                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 49 DRILLPIPE STANDS 951.89 m                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DEPTH (m) DEVIATION DIRECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CHANGE OUT SHAKER SCREEN 175 MIC.(NEW)                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 12.32 m                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  | HOLE FILL - CAL = 6.43M3 ACT. = 6.71M3 DIFF. = +.28M3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL 1214.00 m                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  |                                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WT. OF D.C. 18 1000                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DRAG DAN 1-2 UP 2-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | HRS. RUN PH STACK deg                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 40 1000                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TORQUE 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | 12.00 11.0 430                                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | CHECK & RESET CROWN SAVER F/T BLIND RAMS              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  | FILL m 1.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | MACP 3000                                      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | BLOW DOWN BOILERS 4X                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                                                  |  |  |  |  |            |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD 41                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                                                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



|                                                                                                                             |  |                                                                                                                               |  |                                                                                                                                                                                                                                                         |  |                                           |  |                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|---------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                             |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's    FlameLines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | RIG NO <b>3</b><br><b>FUEL @ 08:00 HRS.</b> |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                  |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                      |  |                                                                                                                                                                                                                                                         |  | RIG <b>216</b>                            |  | BOILER                                      |  |
| SURFACE LOCATION :                                                                                                          |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                         |  |                                                                                                                                                                                                                                                         |  | CM                                        |  | WEATHER                                     |  |
| OPERATORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |                                                                                                                                                                                                                                                         |  | CM                                        |  | TEMPERATURE <b>-30</b>                      |  |
|                                                                                                                             |  |                                                                                                                               |  |                                                                                                                                                                                                                                                         |  | CM                                        |  | CONDITIONS <b>CLEAR</b>                     |  |
|                                                                                                                             |  |                                                                                                                               |  |                                                                                                                                                                                                                                                         |  | CM                                        |  | WIND DIRECTION <b>CALM</b>                  |  |
|                                                                                                                             |  |                                                                                                                               |  |                                                                                                                                                                                                                                                         |  | CM                                        |  | ROAD CONDITION <b>ICE</b>                   |  |

| YUGON HOPE                  |                  |                                    |         |           |                    |           |             |               |                    | CLINT MAYER |               |                  |                |                   |            |            |            |                |                      | SAFETY TOPIC            |                |                    |    |                | TUBULARS |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|-----------------------------|------------------|------------------------------------|---------|-----------|--------------------|-----------|-------------|---------------|--------------------|-------------|---------------|------------------|----------------|-------------------|------------|------------|------------|----------------|----------------------|-------------------------|----------------|--------------------|----|----------------|----------|---------------|-------|-----------|--|------|--|----------------|-----|--------------|--|------|--|-----------------------------|--|--------------------------------------|--|----------|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|
| LAST CASING TUBING OR LINER | O.D mm           |                                    | MIN. LD |           | kg/m               |           | MAKE        |               | GRADE              |             | # OF JOINTS   |                  | TOTAL (m)      |                   | KB TO CSG. |            | SET AT (m) |                | SHALE SHAKER(S)      |                         |                | RENTALS / SERVICES |    |                |          |               |       |           |  |      |  | Mon            | Day | Eve          |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                | NO. 1 TYPE KING TYPE |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                | CHANGE SCREENS       |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                | TOP 80140 TOP 110    |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| P.C. DP SIZE                |                  | KG / M                             |         | GRADE     |                    | MIN. LD   |             | TOOL JT. O.D. |                    | TYPE THREAD |               | # OF JOINTS      |                | PUMP MANUFACTURER |            | PUMP TYPE  |            | STROKE LTH.    |                      | MIDDLE 80140 MIDDLE 110 |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 114                         |                  | 20.84                              |         | E         |                    | 84        |             | 117           |                    | 4"FH        |               | 208              |                | OILWELL           |            | PT-850     |            | 229            |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 114                         |                  | 62.45                              |         | H.W.D.    |                    | 70        |             | 158           |                    | 4.5"XH      |               | 20               |                | EMSCO             |            | 375        |            | 356            |                      | BOTTOM 110 BOTTOM 175   |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 165                         |                  | 151.70                             |         | D.C       |                    | 73        |             | 171           |                    | 4.5"XH      |               | 20               |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| CODE NO.                    | 1                | 2                                  | 3       | 4         | 5                  | 6         | 7           | 8             | 9                  | 10          | 11            | 12               | 13             | 14                | 15         | 16         | 17         | 18             | 19                   | 20                      | 21             | 22                 | 23 | 24             | 25       | 26            | TOTAL |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL                       | REAMING | CORRO     | CORRO, MUD & CIRC. | TRIPS     | RIG SERVICE | REPAIRS       | CUT OFF DRILL LINE | DEV SURVEY  | WIRELINE LOGS | RUN CCL & CEMENT | WAIT ON CEMENT | HIPPLE UP B.O.P   | TEST B.O.P | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING              | DIRECTIONAL WORK        | SAFETY MEETING | OTHER              |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| MORN                        |                  | 2 25                               |         |           | 0 75               | 4 75      | 0 25        |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          | 8 00          |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| DAY                         |                  | 2 50                               |         |           | 0 75               | 5 00      | 0 25        |               | 1 00               |             |               |                  |                |                   |            |            |            |                |                      |                         |                | 2 50               |    |                |          | 12 00         |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| EVE                         |                  | 3 25                               |         |           |                    |           | 0 25        |               |                    | 0 50        |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          | 4 00          |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| TOTAL                       |                  | 8 00                               |         |           | 1 50               | 9 75      | 0 75        |               | 1 00               | 0 50        |               |                  |                |                   |            |            |            |                |                      |                         |                | 2 50               |    |                |          | 24 00         |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| NO.                         |                  | DRILLING ASSEMBLY (AT END OF TOUR) |         |           |                    |           |             |               |                    |             |               | BIT RECORD       |                |                   |            |            |            |                |                      |                         |                | MUD RECORD         |    |                |          |               |       |           |  |      |  | METERS DRILLED |     |              |  |      |  |                             |  |                                      |  | TIME LOG |  |  |  |  |  |  |  |  |  | TIME DETAIL |  |  |  |  |  |  |  |  |  |
| 1                           |                  | BIT MILLS                          |         | O.D. mm   |                    | 0.25 m    |             | BIT NO.       |                    | 2           |               |                  |                | WATER BASED       |            | OIL BASED  |            |                |                      | FROM                    |                | TO                 |    | DRILL/REAM/CR. |          | ROTARY R.P.M. |       | WT ON BIT |  | FROM |  | TO             |     | ELAPSED TIME |  | CODE |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | MOTOR                              |         | 159       |                    | 8 10 m    |             | SIZE (mm)     |                    | 216 0       |               |                  |                | TIME              |            | 2130       |            | 130            |                      |                         |                | 1214.00            |    | 1227.00        |          | D             |       | 25        |  | 12   |  | 2000           |     | 2015         |  | 0.25 |  | 7                           |  | RIG SERVICE FT. PIPE RAMS C/O 7 SEC. |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | FLOAT SUB                          |         | 165       |                    | 0 80 m    |             |               |                    |             |               |                  |                | DENSITY kg/m3     |            | 1220       |            | 1220           |                      |                         |                |                    |    |                |          |               |       |           |  | 2015 |  | 2330           |     | 3.25         |  | 2    |  | DRILL 216MM HOLE 1214- 1227 |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | X.O                                |         | 166       |                    | 0.22 m    |             | IADC CODE     |                    |             |               |                  |                | FUNNEL VIS c/s    |            | 59         |            | 58             |                      |                         |                |                    |    |                |          |               |       |           |  | 2330 |  | 2400           |     | 0.50         |  | 10   |  | DEV. SURVEY                 |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | MONEL                              |         | 164       |                    | 9 47 m    |             |               |                    |             |               |                  |                | W L cm/ FLCK      |            | 9 0        |            | 9 0            |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | TRANSMITT                          |         | 159       |                    | 1 80 m    |             | MFG.          |                    | VAREL       |               |                  |                | PH                |            | 10 0       |            | 10 0           |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | MONEL                              |         | 164       |                    | 9 47 m    |             | Type          |                    | ETD34MS     |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | X.O                                |         | 165       |                    | 0 70 m    |             | SERIAL NO.    |                    | 171573      |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | D.C                                |         | 164       |                    | 34 36 m   |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | JAR                                |         | 160       |                    | 5.20 m    |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | D.C                                |         | 164       |                    | 103 85 m  |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 8                           |                  | H.W.D.P                            |         | 114       |                    | 75 18 m   |             | JETS (mm)     |                    | 11.111.111  |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | X.O                                |         | 152       |                    | 0 39 m    |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             | DEPTH IN (m)  |                    | 1204 00     |               |                  |                | BIOLOSE SALT      |            | 0          |            | SX             |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             | DEPTH OUT (m) |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             | TOTAL METER   |                    | 23 00       |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             | TOTAL HOURS   |                    | 5 75        |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
| 50                          |                  | DRILLPIPE STANDS                   |         | 971 40 m  |                    |           |             | INNER         |                    | OUTER       |               | DILL             |                | LOCATION          |            | BEARINGS   |            | GRADE/mm       |                      | OTHER                   |                | REASON             |    | R.O.P          |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | DRILLPIPE SINGLES                  |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | KELLY DOWN                         |         | 5.82 m    |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | TOTAL                              |         | 1227.01 m |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | W.D.C.                             |         | 18        |                    | 1000 dant |             | DRAG dan      |                    | 2000        |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    | 1000 dant |             | TORQUE        |                    | 175         |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | WT. OF STRING                      |         | 40        |                    | 1000 dant |             | FILL m        |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  | DRILLERS SIGNATURE                 |         | MYLES LOW |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |
|                             |                  |                                    |         |           |                    |           |             |               |                    |             |               |                  |                |                   |            |            |            |                |                      |                         |                |                    |    |                |          |               |       |           |  |      |  |                |     |              |  |      |  |                             |  |                                      |  |          |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |

|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO<br><b>WID1934</b>                                                                                              |  | WELL NAME AND NO.<br><b>PARA etal NOGHA P C-49</b>                                                                         |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM<br>YH CM |  | RIG NO<br><b>3</b>                                                                                                      |  |
| OPERATOR :<br><b>PARAMOUNT RESOURCES LTD.</b>                                                                             |  | CONTRACTOR<br><b>WILSON DRILLING LTD.</b>                                                                                  |  |                                                                                                                                                                                                                                                        |  | <b>FUEL @ 08:00 HRS.</b>                           |  |                                                                                                                         |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D.<br><b>300C496640125450</b>                                                                                     |  |                                                                                                                                                                                                                                                        |  | RIG<br><b>175</b>                                  |  | BOILER                                                                                                                  |  |
| OPERATORS REPRESENTATIVE- ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  | CM<br>CM<br>CM<br>CM                               |  | WEATHER<br><b>TEMPERATURE -30</b><br><b>CONDITIONS CLOUDY</b><br><b>WIND DIRECTION S E</b><br><b>ROAD CONDITION ICE</b> |  |

|                   |                    |                     |                           |
|-------------------|--------------------|---------------------|---------------------------|
| <b>YUGON HOPE</b> | <b>CLINT MAYER</b> | <b>SAFETY TOPIC</b> | <b>DEICING PROCEDURES</b> |
|-------------------|--------------------|---------------------|---------------------------|

| LAST CASING TUBING OR LINER | O.D mm |        | MIN. LD |             | kg/m        |             | MAKE              |  | GRADE     |  | # OF JOINTS |  | TOTAL (m)    |  | KB TO CSG. |  | SET AT (m) |  | SHALE SHAKER(S) |  |           |  | RENTALS / SERVICES |  |    |  | Mon | Day | Eve |  |  |
|-----------------------------|--------|--------|---------|-------------|-------------|-------------|-------------------|--|-----------|--|-------------|--|--------------|--|------------|--|------------|--|-----------------|--|-----------|--|--------------------|--|----|--|-----|-----|-----|--|--|
|                             |        |        |         |             |             |             |                   |  |           |  |             |  |              |  |            |  |            |  | NO. 1           |  | TYPE KING |  | TYPE               |  |    |  |     |     |     |  |  |
|                             |        |        |         |             |             |             |                   |  |           |  |             |  |              |  |            |  |            |  | CHANGE SCREENS  |  |           |  | YES                |  | NO |  |     |     |     |  |  |
|                             |        |        |         |             |             |             |                   |  |           |  |             |  |              |  |            |  |            |  |                 |  |           |  |                    |  |    |  |     |     |     |  |  |
|                             |        |        |         |             |             |             |                   |  |           |  |             |  |              |  |            |  |            |  |                 |  |           |  |                    |  |    |  |     |     |     |  |  |
| DP SIZE                     | KG / M | GRADE  | MIN LD  | TOOL JT O.D | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER |  | PUMP TYPE |  | STROKE LTH. |  | TOP 80140    |  | TOP 110    |  |            |  |                 |  |           |  |                    |  |    |  |     |     |     |  |  |
|                             | 20.84  | E      | 84      | 117         | 4"FH        | 208         | OILWELL           |  | PT-850    |  | 229         |  | MIDDLE 80140 |  | MIDDLE 110 |  |            |  |                 |  |           |  |                    |  |    |  |     |     |     |  |  |
| 114                         | 62.45  | H.W.D. | 70      | 158         | 4.5"XH      | 20          | EMSCO             |  | 375       |  | 356         |  | BOTTOM 110   |  | BOTTOM 110 |  |            |  |                 |  |           |  |                    |  |    |  |     |     |     |  |  |
| 165                         | 151.70 | D.C    | 73      | 171         | 4.5"XH      | 20          |                   |  |           |  |             |  |              |  |            |  |            |  |                 |  |           |  |                    |  |    |  |     |     |     |  |  |

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|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                       |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO : <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stok Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                      |  |                                                                                                                                                                                                                                                       |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                       |  |

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|                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| DAY SHIFT                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 21                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                                                                            |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA P C-49                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |
| OPERATOR: PARAMOUNT RESOURCES LTD.                                                                                                                                             |  |  |  |  |  |  |  |  |  | CONTRACTOR: WILSON DRILLING LTD.                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION:                                                                                                                                                              |  |  |  |  |  |  |  |  |  | UNIQUE I.D.: 300C496640125450                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                       |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                          |  |  |  |  |  |  |  |  |  |
| YUGON HOPE                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| SAFETY TOPIC                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | LIGHT PLANTS                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                    |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| O.D mm MIN. I.D kg/m BRAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                                                                                   |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S) NO 1 TYPE KING TYPE                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| DC. DP SIZE KG / M GRADE MIN. I.D. TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH                                                                 |  |  |  |  |  |  |  |  |  | CHANGE SCREENS TOP 80140 110 MIDDLE 80140 110 BOTTOM 110 110                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                            |  |  |  |  |  |  |  |  |  | OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING CONDL. LID & CIRC. TRIPS RD SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOGS RUN CCL & CEMENT WAIT ON CEMENT KIPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING |  |  |  |  |  |  |  |  |  |
| MORN 7 75 0.25                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | DAY 11 75 0.25                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| EVE 3 50 0 50                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | TOTAL 23 00 0 50                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG                                                                                           |  |  |  |  |  |  |  |  |  | TIME DETAIL                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 1 BIT/DRILLS O.D. mm 0.25 m BIT NO. 1 SIZE (mm) 216 0                                                                                                                          |  |  |  |  |  |  |  |  |  | WATER BASED X OIL BASED                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| MOTOR 159 8.10 m FLOAT SUB 165 0.80 m X.O. 166 0.22 m MONEL 164 9.47 m TRANSMITT 159 1.80 m MONEL 164 9.47 m X.O. 165 0.70 m D.C. 164 34.36 m JAR 160 5.20 m D.C. 164 103.85 m |  |  |  |  |  |  |  |  |  | TIME 800 1200 1600 DENSITY kg/m3 1220 1240 1230 FUNNEL VIS s/l 69 60 58 W.L. cm/ FILCK 110 110 85 PH 105 105 100 PVT M3 45 00 44 80 44 60                                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 8 HWD P 114 75.18 m X O 152 0.39 m                                                                                                                                             |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED 2960 @ 56 @ 1155                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| 47 DRILLPIPE STANDS 912.99 m                                                                                                                                                   |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT DESILTER HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| 1 DRILLPIPE SINGLES 9 70 m                                                                                                                                                     |  |  |  |  |  |  |  |  |  | CENTRIFUGE HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 9.52 m                                                                                                                                                              |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY DEPTH (m) DEVIATION DIRECTION                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL 1182.00 m                                                                                                                                                                |  |  |  |  |  |  |  |  |  | BOILER PH STACK deg                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |
| W.D.F.C. 18 1000 den                                                                                                                                                           |  |  |  |  |  |  |  |  |  | HRS. RUN 12.00 11 0 430                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 40 1000 den                                                                                                                                                      |  |  |  |  |  |  |  |  |  | MACP 3000 MAX HOOKLOAD 41                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MONTE RUTHERFORD                                                                                                                                            |  |  |  |  |  |  |  |  |  | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | CHECK & RESET CROWN SAVER F/T REMOTE CHOKE                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | BLOW DOWN BOILERS 4X                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |



|                                                                                                                          |  |                                                                                                                            |  |                                                                                                                                                                                                                                                       |  |
|--------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                             |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drifts Performed<br>(7) Visually Inspect BOPs - Flarelines & Degasser Lines |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A. O.D.C Rig Safety Inspection Checklist(one/mg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                      |  | (1) FUEL @ 08:00 HRS.<br>(2) BOILER                                                                                                                                                                                                                   |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | (1) TEMPERATURE -30<br>(2) CONDITIONS CLOUDY<br>(3) WIND DIRECTIONS E<br>(4) ROAD CONDITION ICE                                                                                                                                                       |  |

| YUGON HOPE                         |  |                  |   |              |   |         |   |        |   | CLINT MAYER                  |    |             |    |            |    |            |    |                    |    | SAFETY TOPIC              |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------|--|------------------|---|--------------|---|---------|---|--------|---|------------------------------|----|-------------|----|------------|----|------------|----|--------------------|----|---------------------------|-----------|---------------|--------------------|------------------|-----|----------------|----|------------------|--|------------------------------------------------|--|------------|-----|-----------|-----|----------------|--|---------|--|---------------------------|--|----------------|--|------|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| LAST CASING TUBING OR LINER        |  | O.D. mm          |   | MIN. LD      |   | kg/m    |   | MAKE   |   | GRADE                        |    | # OF JOINTS |    | TOTAL (m)  |    | KB TO CSG. |    | SET AT (m)         |    | SHALE SHAKER(S)           |           |               | RENTALS / SERVICES |                  |     |                |    |                  |  |                                                |  |            | Mon | Day       | Eve |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    | NO. 1                     | TYPE KING | TYPE          |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    | CHANGE SCREENS            |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           | TOP           | 80140              | TOP              | 110 |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  | 20.84            |   | E            |   | 84      |   | 117    |   | 4"FH                         |    | 208         |    | OILWELL    |    | PT-850     |    | 229                |    | MIDDLE                    | 80140     | MIDDLE        | 110                |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  | 62.45            |   | H.W.D.       |   | 70      |   | 158    |   | 4.5"XH                       |    | 20          |    | EMSCO      |    | 375        |    | 356                |    | BOTTOM                    | 110       | BOTTOM        | 110                |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  | 151.70           |   | D.C          |   | 73      |   | 171    |   | 4.5"XH                       |    | 20          |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CODE NO.                           |  | 1                | 2 | 3            | 4 | 5       | 6 | 7      | 8 | 9                            | 10 | 11          | 12 | 13         | 14 | 15         | 16 | 17                 | 18 | 19                        | 20        | 21            | 22                 | 23               | 24  | 25             | 26 | TOTAL            |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPER.                              |  | GROUP & TEARDOWN |   | DRILL ACTUAL |   | REAMING |   | CORING |   | COND. BUD & CIRC.            |    | TRIPS       |    | RD SERVICE |    | REPAIRS    |    | CUT OFF DRILL LINE |    | DEV SURVEY                |           | WIREDING LOGS |                    | RUN CBL & CEMENT |     | WAIT ON CEMENT |    | KIPPLE UP B.D.P. |  | TEST B.D.P.                                    |  | DRILL STEM |     | PLUG BACK |     | SQUEEZE CEMENT |  | FISHING |  | DIRECTIONAL WORK          |  | SAFETY MEETING |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MORN                               |  |                  |   | 7 75         |   |         |   |        |   |                              |    |             |    | 0 25       |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  | 8 00 |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DAY                                |  |                  |   | 11 75        |   |         |   |        |   |                              |    |             |    | 0 25       |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  | 12 00          |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EVE                                |  |                  |   | 3 50         |   |         |   |        |   |                              |    |             |    |            |    |            |    | 0 50               |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  | 4 00           |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL                              |  |                  |   | 23 00        |   |         |   |        |   |                              |    |             |    | 0 50       |    |            |    | 0 50               |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  | 24 00          |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLING ASSEMBLY (AT END OF TOUR) |  |                  |   |              |   |         |   |        |   | BIT RECORD                   |    |             |    |            |    |            |    |                    |    | MUD RECORD                |           |               |                    |                  |     |                |    |                  |  | METERS DRILLED                                 |  |            |     |           |     |                |  |         |  | TIME LOG                  |  |                |  |      |  |  |  |  |  | TIME DETAIL                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO.                                |  |                  |   |              |   |         |   |        |   | BIT NO. 1                    |    |             |    |            |    |            |    |                    |    | WATER BASED X OIL BASED - |           |               |                    |                  |     |                |    |                  |  | FROM TO DRILL/ REAMING ROTARY R.P.M. WT ON BIT |  |            |     |           |     |                |  |         |  | FROM TO ELAPSED TIME CODE |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                                  |  |                  |   |              |   |         |   |        |   | O.D. mm 0.25                 |    |             |    |            |    |            |    |                    |    | TIME 2000 2330            |           |               |                    |                  |     |                |    |                  |  | 1182.00 1195.00 D 27 14                        |  |            |     |           |     |                |  |         |  | 2000 2045 0.75 2          |  |                |  |      |  |  |  |  |  | DRILL 216MM HOLE 1182-1185  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FLOAT SUB                          |  |                  |   |              |   |         |   |        |   | SIZE (mm) 216.0              |    |             |    |            |    |            |    |                    |    | DENSITY kg/m3 1220 1220   |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  | 2045 2115 0.50 10         |  |                |  |      |  |  |  |  |  | DEV. SURVEY                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X O                                |  |                  |   |              |   |         |   |        |   | IADC                         |    |             |    |            |    |            |    |                    |    | FUNNEL VIS ml 58 55       |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  | 2115 2400 2.75 2          |  |                |  |      |  |  |  |  |  | DRILL 216MM HOLE 1185- 1195 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MONEL                              |  |                  |   |              |   |         |   |        |   | CODE                         |    |             |    |            |    |            |    |                    |    | W.L. cm/ FILCK 10 0 9 0   |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TRANSMITT                          |  |                  |   |              |   |         |   |        |   | MFG. HUGHES                  |    |             |    |            |    |            |    |                    |    | PH 10 0 9 5               |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MONEL                              |  |                  |   |              |   |         |   |        |   | Type GTS30H                  |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X O                                |  |                  |   |              |   |         |   |        |   | SERIAL NO. 6002937           |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D C                                |  |                  |   |              |   |         |   |        |   | JETS (mm) 11 11.12           |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| JAR                                |  |                  |   |              |   |         |   |        |   | DEPTH IN (m) 509 00          |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| D C                                |  |                  |   |              |   |         |   |        |   | DEPTH OUT (m)                |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| H W D P                            |  |                  |   |              |   |         |   |        |   | TOTAL METER 686 00           |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| X O                                |  |                  |   |              |   |         |   |        |   | TOTAL HOURS 96 50            |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 48                                 |  |                  |   |              |   |         |   |        |   | DRILLPIPE STANDS 932 38      |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | DRILLPIPE SINGLES            |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | KELLY DOWN 12.85             |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | TOTAL 1195.02                |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | W.T. OF STRING 40            |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | DRAG dan 150                 |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | TORQUE                       |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | FILL m                       |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | DRILLERS SIGNATURE MYLES LOW |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | HRS. RUN 8 00                |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | BOILER PH 11 0               |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | STACK deg 420                |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | MACP 0                       |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   | MAX HOOKLOAD 43              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                    |  |                  |   |              |   |         |   |        |   |                              |    |             |    |            |    |            |    |                    |    |                           |           |               |                    |                  |     |                |    |                  |  |                                                |  |            |     |           |     |                |  |         |  |                           |  |                |  |      |  |  |  |  |  |                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                                |  |
|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. - <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. <b>PARA etal NOGHA P C-49</b>                                                                              |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM |  | rig no. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>rig <b>139</b> <b>BOILER</b>                                                   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                       |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D C Rig Safety Inspection Checklist(one/high/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  | CM<br>CM<br>CM<br>CM                               |  | <b>WEATHER</b><br>TEMPERATURE <b>-38</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                                                                                                         |  | UNIQUE ID <b>300C496640125450</b>                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                                |  |
| OPERATORS REPRESENTATIVE - ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                                |  |

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|                                                                                                                             |  |                                                                                                                               |  |                                                                                                                                                                                                                                                         |  |                                                    |  |                                                                                                                                |  |
|-----------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                                |  | WELL NAME AND NO : <b>PARA etal NOGHA P C-49</b>                                                                              |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted ( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM |  | REG NO- <b>3</b><br><b>FUEL @ 08:00 HRS.</b>                                                                                   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                  |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                      |  |                                                                                                                                                                                                                                                         |  | REG <b>139</b>                                     |  | BOILER                                                                                                                         |  |
| SURFACE LOCATION :                                                                                                          |  | UNIQUE ID : <b>300C496640125450</b>                                                                                           |  |                                                                                                                                                                                                                                                         |  | CM<br>CM<br>CM<br>CM                               |  | <b>WEATHER</b><br>TEMPERATURE <b>-38</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| OPERATORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |                                                                                                                                                                                                                                                         |  |                                                    |  |                                                                                                                                |  |

|                  |                    |                     |                  |
|------------------|--------------------|---------------------|------------------|
| <b>WILF SWAN</b> | <b>CLINT MAYER</b> | <b>SAFETY TOPIC</b> | <b>MUD TANKS</b> |
|------------------|--------------------|---------------------|------------------|

| LAST CASING TUBING OR LINER | O.D. mm | MIN. ID | kg/m    | MAKE        | GRADE       | # OF JOINTS | TOTAL (m)         | KB TO CSG. | SET AT (m)  | SHALE SHAKER(S) |           |            |     | RENTALS / SERVICES |  |  |  | Mom | Day | Eve |  |
|-----------------------------|---------|---------|---------|-------------|-------------|-------------|-------------------|------------|-------------|-----------------|-----------|------------|-----|--------------------|--|--|--|-----|-----|-----|--|
|                             |         |         |         |             |             |             |                   |            |             | NO 1            | TYPE KING | TYPE       |     |                    |  |  |  |     |     |     |  |
|                             |         |         |         |             |             |             |                   |            |             | CHANGE SCREENS  |           |            | YES | NO                 |  |  |  |     |     |     |  |
|                             |         |         |         |             |             |             |                   |            |             | TOP 80140       |           | TOP 110    |     |                    |  |  |  |     |     |     |  |
|                             |         |         |         |             |             |             |                   |            |             | MIDDLE 80140    |           | MIDDLE 110 |     |                    |  |  |  |     |     |     |  |
|                             |         |         |         |             |             |             |                   |            |             | BOTTOM 110      |           | BOTTOM 110 |     |                    |  |  |  |     |     |     |  |
| DP SIZE                     | KG / M  | GRADE   | MIN. ID | TOOL JT O.D | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH. |                 |           |            |     |                    |  |  |  |     |     |     |  |
|                             | 20.84   | F       | 84      | 117         | 4"FH        | 208         | OILWELL           | PT-850     | 229         |                 |           |            |     |                    |  |  |  |     |     |     |  |
| 114                         | 62.45   | H.W.D.  | 70      | 158         | 4.5"XH      | 20          | FMSCO             | 375        | 356         |                 |           |            |     |                    |  |  |  |     |     |     |  |
| 165                         | 151.70  | D.C     | 73      | 171         | 4.5"XH      | 20          |                   |            |             |                 |           |            |     |                    |  |  |  |     |     |     |  |

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## EVENING SHIFT

LICENCE NO : WID1934

WELL NAME AND NO. :

PARA etal NOGHA P C-49

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : WILSON DRILLING LTD.

SURFACE LOCATION :

UNIQUE LD : 300C496640125450

OPERATORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE &amp; CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE &amp; CORRECT TO THE BEST OF MY ABILITY)

WILF SWAN

CLINT MAYER

SAFETY TOPIC

B.O.P DRILLS

- (1) Daily Walk Around Inspection  
(2) Detailed Inspection-Weekly (Using Check List)  
(3) H2S Signs Posted( If Required)  
(4) Well License & Stick Diagram Posted  
(5) Flare Lines Staked  
(6) BOP Drills Performed  
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (one/crow/month)  
(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)  
(3) Mast Inspection Before Raising or Lowering  
(4) Crown Saver Checked  
(5) Motor Kils Checked

|    |    |                   |         |        |
|----|----|-------------------|---------|--------|
| WS | CM | YEAR 2003         | MONTH 2 | DAY 20 |
| WS | CM | RIG NO.-          | 3       |        |
| WS | CM | FUEL @ 08:00 HRS. |         |        |
| WS | CM | RIG               | 139     | BOILER |
| WS | CM | TEMPERATURE       | -38     |        |
| WS | CM | CONDITIONS        | CLEAR   |        |
| WS | CM | WIND DIRECTION    | CALM    |        |
| WS | CM | ROAD CONDITION    | ICE     |        |

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. LD |        | kg/m              |         | MAKE        |               | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)      |                   | KB TO CSG. |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |       |        |     |     |       |  |  |  |  | Mon | Day | Eve |  |  |  |  |  |  |
|-----------------------------|------------------|--------------|---------|--------|-------------------|---------|-------------|---------------|--------------------|-------------|---------------|-------------------|----------------|-------------------|------------|------------|------------|----------------|-----------------|------------------|----------------|--------------------|-------|--------|-----|-----|-------|--|--|--|--|-----|-----|-----|--|--|--|--|--|--|
|                             |                  |              |         |        |                   |         |             |               |                    |             |               |                   |                |                   |            |            |            |                | NO. 1           |                  | TYPE KING      |                    | TYPE  |        |     |     |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             |                  |              |         |        |                   |         |             |               |                    |             |               |                   |                |                   |            |            |            |                | CHANGE SCREENS  |                  |                |                    | SEA   |        | ON  |     |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             |                  |              |         |        |                   |         |             |               |                    |             |               |                   |                |                   |            |            |            |                |                 |                  | TOP            |                    | 80140 |        | TOP |     | 110   |  |  |  |  |     |     |     |  |  |  |  |  |  |
| DC . DP SIZE                |                  | KG / M       |         | GRADE  |                   | MIN. ID |             | TOOL JT. O.D. |                    | TYPE THREAD |               | # OF JOINTS       |                | PUMP MANUFACTURER |            | PUMP TYPE  |            | STROKE LTH.    |                 | MIDDLE           |                | 80140              |       | MIDDLE |     | 110 |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             |                  | 20.84        |         | E      |                   | 84      |             | 117           |                    | 4"FH        |               | 208               |                | OILWELL           |            | PT-850     |            | 229            |                 |                  |                |                    |       |        |     |     |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
|                             |                  | 62.45        |         | H.W.D  |                   | 70      |             | 158           |                    | 4.5"XH      |               | 20                |                | EMSCO             |            | 375        |            | 356            |                 |                  |                |                    |       |        |     |     |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| 165                         |                  | 151.70       |         | D.C    |                   | 73      |             | 171           |                    | 4.5"XH      |               | 20                |                |                   |            |            |            |                |                 | BOTTOM           |                | 110                |       | BOTTOM |     | 110 |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| CODE NO.                    | 1                | 2            | 3       | 4      | 5                 | 6       | 7           | 8             | 9                  | 10          | 11            | 12                | 13             | 14                | 15         | 16         | 17         | 18             | 19              | 20               | 21             | 22                 | 23    | 24     | 25  | 26  | TOTAL |  |  |  |  |     |     |     |  |  |  |  |  |  |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | COND. MUD & CIRC. | TRIPS   | RIG SERVICE | REPAIRING     | CUT OFF DRILL LINE | DEV SURVEY  | WIRELINE LOGS | RUN CBL. & CEMENT | WAIT ON CEMENT | NIPPLE UP & D.P   | TEST S.O.P | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY SETTING |                    |       |        |     |     |       |  |  |  |  |     |     |     |  |  |  |  |  |  |
| MORN                        |                  | 7 75         |         |        |                   |         | 0 25        |               |                    |             |               |                   |                |                   |            |            |            |                |                 |                  |                |                    |       |        |     |     | 8 00  |  |  |  |  |     |     |     |  |  |  |  |  |  |
| DAY                         |                  | 10 75        |         |        |                   |         | 0 25        |               |                    | 1 00        |               |                   |                |                   |            |            |            |                |                 |                  |                |                    |       |        |     |     | 12 00 |  |  |  |  |     |     |     |  |  |  |  |  |  |
| EVE                         |                  | 3 75         |         |        |                   |         | 0 25        |               |                    |             |               |                   |                |                   |            |            |            |                |                 |                  |                |                    |       |        |     |     | 4 00  |  |  |  |  |     |     |     |  |  |  |  |  |  |
| TOTAL                       |                  | 22 25        |         |        |                   |         | 0 75        |               |                    | 1 00        |               |                   |                |                   |            |            |            |                |                 |                  |                |                    |       |        |     |     | 24 00 |  |  |  |  |     |     |     |  |  |  |  |  |  |

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |                   |           |        | BIT RECORD       |         |  |  | MUD RECORD         |       |           |       | METERS DRILLED     |                          |         |                    | TIME LOG         |           |      |      | TIME DETAIL                                          |      |                                 |  |
|---------------------------------------|-------------------|-----------|--------|------------------|---------|--|--|--------------------|-------|-----------|-------|--------------------|--------------------------|---------|--------------------|------------------|-----------|------|------|------------------------------------------------------|------|---------------------------------|--|
| NO                                    | BIT MILLS         | O.D. (mm) |        | BIT NO.          | 1       |  |  | WATER BASED        | X     | OIL BASED |       |                    | FROM                     | TO      | DRILL/<br>REAM/CR. | ROTARY<br>R.P.M. | WT ON BIT | FROM | TO   | ELAPSED<br>TIME                                      | CODE |                                 |  |
| 1                                     | MOTOR             | 159       | 8 10   | SIZE (mm)        | 216 0   |  |  | TIME               | 2000  | 2200      | 2400  |                    | 1091.00                  | 1098.00 | D                  | 25               | 10        | 2000 | 2015 | 0.25                                                 | 7    | RIG SERVICE F/T HCR 3 SECS. T/O |  |
|                                       | FLOAT SUB         | 165       | 0.80   |                  |         |  |  | DENSITY<br>kg/m3   | 1240  | 1220      | 1220  |                    | 1098.00                  | 1114.00 | D                  | 25               | 12        | 2015 | 2400 | 3.75                                                 | 2    | DRILL F/ 1091M - 1114M          |  |
|                                       | X.O.              | 166       | 0.22   | IADC<br>CODE     |         |  |  | FUNNEL<br>VIS c/s  | 70    | 64        | 64    |                    |                          |         |                    |                  |           | 2400 |      |                                                      |      |                                 |  |
|                                       | MONEL             | 164       | 9 47   | MPGL             | HUGHES  |  |  | W.L. cm/<br>FLCK   | 7 0   | 7 5       | 7 5   |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | TRANSMIT          | 159       | 1 80   | Type             | GTS30H  |  |  | PH                 | 9 0   | 9 5       | 9 5   |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | MONEL             | 164       | 9 47   | Serial<br>NO.    | 6002937 |  |  | PVT                | 47 30 | 45 80     | 45 80 |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | X.O.              | 165       | 0.70   |                  |         |  |  | MUD MATERIALS USED |       |           |       | REDUCED PUMP SPEED |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | D.C               | 164       | 34 36  | DEPTH IN<br>(m)  | 509 00  |  |  | TYPE               | QTY   | UNITS     |       |                    | 3200                     | @       | 60                 | @                | 1107      |      |      |                                                      |      |                                 |  |
|                                       | JAR               | 160       | 5.20   | DEPTH OUT (m)    |         |  |  | CAUSTIC            | 2     | SX        |       |                    | SOLIDS CONTROL EQUIPMENT |         |                    |                  |           |      |      |                                                      |      |                                 |  |
| 12                                    | D.C               | 164       | 103 85 | TOTAL<br>METER   | 605 00  |  |  | SODA ASH           | 3     | SX        |       |                    | DESILTER                 |         |                    |                  |           |      |      |                                                      |      |                                 |  |
| 8                                     | H.W.D.P           | 114       | 75.18  | TOTAL<br>HOURS   | 73 50   |  |  |                    |       |           |       |                    | HOURS                    | INTAKE  | OVERFLOW           | UNDERFLOW        |           |      |      |                                                      |      |                                 |  |
|                                       | X.O.              | 152       | 0 39   |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
| 44                                    | DRILLPIPE STANDS  | 854 64    |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | DRILLPIPE SINGLES |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | KELLY DOWN        | 9.57      |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | TOTAL             | 1114.00   |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | W.D.C.            | 18        |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       | WT. OF STRING     | 38        |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
| DRILLERS SIGNATURE                    |                   |           |        | MONTE RUTHERFORD |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      | Notes: DAILY WALK AROUND M.R. CHECK BRAKES & LINKAGE |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      | CHECK & RESET CROWN SAVER                            |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      | BLOW DOWN BOILERS 2X                                 |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |
|                                       |                   |           |        |                  |         |  |  |                    |       |           |       |                    |                          |         |                    |                  |           |      |      |                                                      |      |                                 |  |



LICENCE NO. : **WID1934**

**PARA et al NOGHA P C-49**

OPERATOR: **PARAMOUNT RESOURCES LTD.**

**CONTRACTOR:** **WILSON DRILLING LTD.**

**SURFACE LOCATION :**

UNIQUE I.D. : 300C496640125450

**OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)**

CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( If Required )
- (4) Well License & Stick Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Flarelines & Degasser Lines

  

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

|      |         |                     |      |       |        |     |    |
|------|---------|---------------------|------|-------|--------|-----|----|
| DATE | TIME    | YEAR                | 2003 | MONTH | 2      | DAY | 19 |
| WS   | CM      | RIG NO.             | 3    |       |        |     |    |
| WS   | CM      | FUEL @ 08:00 HRS.   |      |       |        |     |    |
| WS   | CM      | RIG                 | 76   |       | BOILER |     |    |
| CM   | WEATHER | TEMPERATURE -37     |      |       |        |     |    |
| CM   |         | CONDITIONS CLEAR    |      |       |        |     |    |
| CM   |         | WIND DIRECTION CALM |      |       |        |     |    |
| CM   |         | ROAD CONDITION ICE  |      |       |        |     |    |

# WILF SWAN

## CLINT MAYER

## SAFETY TOPIC

## CAMP FIRE DRILL

[illegible]

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |               |           |        | BIT RECORD |                               |            |  | MUD RECORD        |      |           |      | METERS DRILLED                  |        |                    |                  | TIME LOG                        |      |     |                 | TIME DETAIL                     |                                                           |  |  |
|---------------------------------------|---------------|-----------|--------|------------|-------------------------------|------------|--|-------------------|------|-----------|------|---------------------------------|--------|--------------------|------------------|---------------------------------|------|-----|-----------------|---------------------------------|-----------------------------------------------------------|--|--|
| NO                                    | BIT/MILLS     | O.D. (mm) |        | BIT NO.    | 1                             |            |  | WATER BASED       | X    | OIL BASED |      | FROM                            | TO     | DRILL/<br>REAM/CR. | ROTARY<br>R.P.M. | WT. ON BIT                      | FROM | TO  | ELAPSED<br>TIME | CODE                            |                                                           |  |  |
| 1                                     | MOTOR         | 159       | 8.10   | mm         | SIZE (mm)                     | 216.0      |  | TIME              | 200  | 500       | 700  | 729.00                          | 762.00 | D                  | 30               | 12                              | 0    | 100 | 1.00            | 2                               | DRILL FRM 729 M TO 738 M                                  |  |  |
|                                       | FLOAT SUB     | 165       | 0.80   | mm         | IADC CODE                     |            |  | DENSITY<br>kg/m3  | 1150 | 1150      | 1150 |                                 |        |                    |                  |                                 | 100  | 115 | 0.25            | 7                               | RIG SERVICE/SERVICE SWIVEL/FUNCTION ANNULAR 11 SECS CLOSE |  |  |
|                                       | X.O.          | 166       | 0.22   | mm         | MFG.                          |            |  | FUNNEL<br>VIS s/l | 57   | 53        | 60   |                                 |        |                    |                  |                                 | 115  | 800 | 6.75            | 2                               | DRILL FRM 738 M TO 762 M                                  |  |  |
|                                       | MONEL         | 164       | 9.47   | mm         | PH                            |            |  | W.L. cm/<br>FILCK | 39.0 | 20.0      | 12.0 |                                 |        |                    |                  |                                 | 800  |     |                 |                                 |                                                           |  |  |
|                                       | TRANSMITT     | 159       | 1.80   | mm         | Type                          | GTS30H     |  |                   | 8.0  | 8.0       | 8.0  |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       | MONEL         | 164       | 9.47   | mm         | SERIAL NO.                    | 6002937    |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       | X.O.          | 165       | 0.70   | mm         | JETS (mm)                     | 11, 11, 12 |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
| 4                                     | D.C.          | 164       | 34.36  | mm         | DEPTH IN (m)                  | 509.00     |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       | JAR           | 160       | 5.20   | mm         | DEPTH OUT (m)                 |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       | D.C.          | 164       | 103.85 | mm         | TOTAL METER                   | 233.00     |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
| 8                                     | H.W.D.P.      | 114       | 75.18  | mm         | TOTAL HOURS                   | 29.25      |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       | X.O.          | 152       | 0.39   | mm         | INNER                         |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | OUTER                         |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | DULL                          |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | LOCATION                      |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | BEARINGS                      |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | GAGE/mm                       |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | OTHER                         |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | REASON                        |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         | R.O.P.                        |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
| 26                                    | DRILLPIPE     | STANDS    | 505.44 | mm         | DEVIATION SURVEY              |            |  |                   |      |           |      | SOLIDS CONTROL EQUIPMENT        |        |                    |                  | DESILTER                        |      |     |                 | CENTRIFUGE                      |                                                           |  |  |
|                                       | DRILLPIPE     | SINGLES   |        | mm         | DEPTH (m) DEVIATION DIRECTION |            |  |                   |      |           |      | HOURS INTAKE OVERFLOW UNDERFLOW |        |                    |                  | HOURS INTAKE OVERFLOW UNDERFLOW |      |     |                 | HOURS INTAKE OVERFLOW UNDERFLOW |                                                           |  |  |
|                                       | KELLY DOWN    | 6.77      |        | mm         |                               |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       | TOTAL         | 762.00    |        | mm         |                               |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
|                                       | WT. OF D.C.   | 18        |        | 1000 dwt   |                               |            |  |                   |      |           |      | HRS. RUN PH STACK deg           |        |                    |                  | Notes: BLEW BOILERS 3X EACH     |      |     |                 |                                 |                                                           |  |  |
|                                       | WT. OF STRING | 32        |        | 1000 dwt   |                               |            |  |                   |      |           |      | 8.00 11.0 400                   |        |                    |                  | FUEL: BOILER # 1 121 CM         |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         |                               |            |  |                   |      |           |      | MACP 3467                       |        |                    |                  | BOILER # 2 80 CM                |      |     |                 |                                 |                                                           |  |  |
|                                       |               |           |        | mm         |                               |            |  |                   |      |           |      | MAX HOOKLOAD 33                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |
| DRILLERS SIGNATURE MIKE STOLTE        |               |           |        |            |                               |            |  |                   |      |           |      |                                 |        |                    |                  |                                 |      |     |                 |                                 |                                                           |  |  |



|                                                                                                                          |                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| LICENCE NO. : <b>WID1934</b>                                                                                             | WELL NAME AND NO : <b>PARA etal NOGHA P C-49</b>                                                                          |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                  |
| SURFACE LOCATION :                                                                                                       | UNIQUE I.D : <b>300C496640125450</b>                                                                                      |
| OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( if Required )
- (4) Well License & Siltok Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Firelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (one/crewm/month)
- (2) C.A.O D.C. Rig Safety Inspection Checklist(one/mg/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
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|    |    |                   |                |        |     |     |
|----|----|-------------------|----------------|--------|-----|-----|
| WS | CM | YEAR              | 2003           | ---    | --- | --- |
| WS | CM | RIG NO.           | 3              |        |     |     |
| WS | CM | FUEL @ 08:00 HRS. |                |        |     |     |
| WS | CM | RIG               | 76             | BOILER |     |     |
| WS | CM | WEATHER           | TEMPERATURE    | -37    |     |     |
| WS | CM |                   | CONDITIONS     | CLEAR  |     |     |
| WS | CM |                   | WIND DIRECTION | CALM   |     |     |
| WS | CM |                   | ROAD CONDITION | ICE    |     |     |

# CLINT MAYER

## SAFETY TOPIC

## WIRE LINING

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|                                                                                                                          |  |                                                                                                                           |  |                                                                                                                                                                                                                                                     |  |                                                                                                                          |  |
|--------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                             |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                         |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>76</b> BOILER                                                     |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                  |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/c/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  | CM TEMPERATURE <b>-37</b><br>CM CONDITIONS <b>CLEAR</b><br>CM WIND DIRECTION <b>CALM</b><br>CM ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                     |  |                                                                                                                                                                                                                                                     |  |                                                                                                                          |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                     |  |                                                                                                                          |  |

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| LICENCE NO : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Firelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM |  | Date Well 3<br><b>FUEL @ 08:00 HRS.</b><br>Rig 143 BOILER                                   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                       |  |                                                    |  |                                                                                             |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE ID : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                       |  |                                                    |  | CM<br>CM<br>CM<br>CM                                                                        |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                       |  |                                                    |  | WEATHER<br>TEMPERATURE -34<br>CONDITIONS CLEAR<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE |  |

# CLINT MAYER

## SAFETY TOPIC

## SURVEYS

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|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                 |  |                                                                                             |  |
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| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM                                                                                                                                                                              |  | Date Well 3<br><b>FUEL @ 08:00 HRS.</b><br>RIG 143 BOILER                                   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  |                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                 |  |                                                                                             |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                      |  |                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                 |  |                                                                                             |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked |  | CM<br>CM<br>CM<br>CM<br>CM                                                                  |  |
|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                 |  | WEATHER<br>TEMPERATURE -34<br>CONDITIONS CLEAR<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE |  |

|                  |                    |                     |                         |
|------------------|--------------------|---------------------|-------------------------|
| <b>WILF SWAN</b> | <b>CLINT MAYER</b> | <b>SAFETY TOPIC</b> | <b>MIXING CHEMICALS</b> |
|------------------|--------------------|---------------------|-------------------------|

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| LICENCE NO. <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                           |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspected BOP's Flarelines & Degasser Lines |  | WS CM RIG NO <b>3</b><br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM                                                      |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                    |  |                                                                                                                                                                                                                                                        |  | <b>FUEL @ 08:00 HRS.</b><br>RIG <b>143</b> BOILER                                                                       |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                       |  |                                                                                                                                                                                                                                                        |  | CM<br>CM<br>CM<br>CM                                                                                                    |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  | WEATHER<br>TEMPERATURE <b>-34</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( If Required )
- (4) Well License & Stick Diagram Posted
- (5) Flame Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's      Flarelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (once a month)
- (2) C.A. O D C Rig Safety Inspection Checklist(once a month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

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|                   |                |       |       |        |    |
|-------------------|----------------|-------|-------|--------|----|
| YEAR              | 2003           | MONTH | 2     | DAY    | 18 |
| RIG NO            | 3              |       |       |        |    |
| FUEL @ 08:00 HRS. |                |       |       |        |    |
| RIG               | 143            |       |       | BOILER |    |
| WEATHER           | TEMPERATURE    |       | -34   |        |    |
|                   | CONDITIONS     |       | CLEAR |        |    |
|                   | WIND DIRECTION |       | CALM  |        |    |
|                   | ROAD CONDITION |       | ICE   |        |    |

## MIXING CHEMICALS

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|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM |  | REG NO <b>3</b><br><b>FUEL @ 08:00 HRS.</b>                                                                             |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  |                                                                                                                                                                                                                                                        |  | REG <b>188</b>                                     |  | BOILER                                                                                                                  |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. - <b>300C496640125450</b>                                                                                      |  |                                                                                                                                                                                                                                                        |  | CM<br>CM<br>CM<br>CM<br>CM                         |  | WEATHER<br>TEMPERATURE <b>-40</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                         |  |

## DIRECTIONAL TOOLS

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D | kg/m         | MAKE              | GRADE       | # OF JOINTS       | TOTAL (m) | KB TO CSG.         | SET AT (m) | SHALE SHAKER(S) |                   |                               | RENTALS / SERVICES |             |            |           |                |        |                  |                  |       |    | Morn | Day | Eve |       |
|-----------------------------|------------------|--------------|----------|--------------|-------------------|-------------|-------------------|-----------|--------------------|------------|-----------------|-------------------|-------------------------------|--------------------|-------------|------------|-----------|----------------|--------|------------------|------------------|-------|----|------|-----|-----|-------|
|                             |                  |              |          |              |                   |             |                   |           |                    |            | NO 1            | TYPE KING         | TYPE                          |                    |             |            |           |                |        |                  |                  |       |    |      |     |     |       |
|                             |                  |              |          |              |                   |             |                   |           |                    |            | CHANGE SCREENS  |                   | YES                           | NO                 |             |            |           |                |        |                  |                  |       |    |      |     |     |       |
|                             |                  |              |          |              |                   |             |                   |           |                    |            | TOP 80140       | TOP 110           |                               |                    |             |            |           |                |        |                  |                  |       |    |      |     |     |       |
| DC. DP SIZE                 | KG / M           | GRADE        | MIN. ID  | TOOL JT O.D. | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER |           | PUMP TYPE          |            | STROKE LTH.     |                   | MIDDLE 80140                  | MIDDLE 110         |             |            |           |                |        |                  |                  |       |    |      |     |     |       |
| 100                         | 20.84            | E            | 84       | 117          | 4"FH              | 208         | OILWELL           |           | PT-850             |            | 229             |                   | <td></td> <td></td> <td></td> |                    |             |            |           |                |        |                  |                  |       |    |      |     |     |       |
|                             | 62.45            | H.W.D.       | 70       | 158          | 4.5"XH            | 20          | EMSCO             |           | 375                |            | 356             |                   | <td></td> <td></td> <td></td> |                    |             |            |           |                |        |                  |                  |       |    |      |     |     |       |
| 105                         | 151.70           | D.C          | 73       | 171          | 4.5"XH            | 20          |                   |           |                    |            |                 |                   | BOTTOM 110                    | BOTTOM 110         |             |            |           |                |        |                  |                  |       |    |      |     |     |       |
| CODE NO.                    | 1                | 2            | 3        | 4            | 5                 | 6           | 7                 | 8         | 9                  | 10         | 11              | 12                | 13                            | 14                 | 15          | 16         | 17        | 18             | 19     | 20               | 21               | 22    | 23 | 24   | 25  | 26  | TOTAL |
| OPER.                       | EQUIP & TEARDOWN | DRILL ACTUAL | REARND   | CORND        | COND. RUD & CIRC. | TRPS        | RIG SERVICE       | REPAIRND  | CUT OFF DRLO. LINE | DEV SURVEY | WIRELINE LOGS   | RUN CBL. & CEMENT | WAIT ON CEMENT                | NIPLLE UP B.O.P.   | TEST B.O.P. | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHND | DIRECTIONAL WORK | SAFETY MEETINGND | OTHER |    |      |     |     |       |
| MORN                        |                  | 5 00         |          |              | 2 25              |             | 0 25              |           |                    |            |                 |                   |                               |                    | 0.50        |            |           |                |        |                  |                  |       |    |      |     |     | 8 00  |
| DAY                         |                  | 7 00         |          |              | 2 75              |             | 0 25              |           |                    | 0 75       |                 |                   |                               |                    |             |            |           |                |        | 0 50             | 0 25             | 0 50  |    |      |     |     | 12 00 |
| EVE                         |                  | 3 75         |          |              |                   |             | 0 25              |           |                    |            |                 |                   |                               |                    |             |            |           |                |        |                  |                  |       |    |      |     |     | 4 00  |
| TOTAL                       |                  | 15 75        |          |              | 5 00              |             | 0 75              |           |                    | 0 75       |                 |                   |                               |                    | 0 50        |            |           |                |        | 0 50             | 0 25             | 0 50  |    |      |     |     | 24 00 |

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| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOPs Flarelines & Degasser Lines |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                     |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D : <b>300C496640125450</b>                                                                                       |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                     |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                     |  |

## SAFETY TOPIC

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|                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| DAY SHIFT                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | LICCENCE NO. : WID1934                                                                                                        |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. : PARA etal NOGHA P C-49                                             |  |  |  |  |  |  |  |  |  | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines                                                                                                 |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 1/<br>RIG NO. 3<br>FUEL @ 08:00 HRS.<br>RIG 188 BOILER<br>WEATHER TEMPERATURE -40<br>CONDITIONS CLEAR<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | CONTRACTOR : WILSON DRILLING LTD.                                                                                             |  |  |  |  |  |  |  |  |  | UNIQUE I.D. : 300C496640125450                                                         |  |  |  |  |  |  |  |  |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D.G Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION :                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |  |  |  |  |  |  |  |  | SAFETY TOPIC : STEAMING ICE                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WILF SWAN                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | O.D mm MIN. I.D kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                                   |  |  |  |  |  |  |  |  |  | SHALES SHAKERS(S) NO. 1 TYPE KING TYPE                                                 |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | Mon. Day Eve                                                                                                                                                             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. I.D. TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | CHANGE SCREENS TOP 80140 TOP 110 MIDDLE 80140 MIDDLE 110 BOTTOM 110 BOTTOM 110                                                |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | TOTAL                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPER. RIGUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT RIPLE UP B.D.P. TEST B.D.P. DRILL STEPS PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER |  |  |  |  |  |  |  |  |  | TOTAL                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BORN 5 00 2 25 0.25                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | 8 00                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DAY 7 00 2.75 0.25 0.75                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | 12 00                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EVE 3 75 0.25                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | 4 00                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL 15 75 5 00 0.75 0.75 0.50 0.50 0.25 0.50                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | 24 00                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | TIME DETAIL                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 BIT BELLS O.D mm 0.25 m BIT NO 1 SIZE (mm) 216 0 IADC CODE MPG. HUGHES Type GTS30H SERIAL NO 6002937 JETS (mm) 11 11 12 DEPTH IN (m) 509 00 DEPTH OUT (m) TOTAL METER 84 00 TOTAL HOURS 12 50                                                                                             |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED TIME 900 1130 1830 DENSITY kg/m3 1020 1020 1020 FUNNEL VIS cP 80 140 90 W.L cm/ FILCK PH 10 5 10 5 10 5 |  |  |  |  |  |  |  |  |  | FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT ON BIT 534 00 593 00 D 25 12                  |  |  |  |  |  |  |  |  |  | FROM TO ELAPSED TIME CODE 800 815 0.25 7 RIG SERVICE FT. PIPE RAMS C/O 7 SEC 815 1100 2.75 5 MIX LCM AND SPOT PILL AND DISPLACE HOLE TO MUD 1100 1130 0.50 20 DIRECTIONAL TROUBLE SHOOTING 1130 1145 0.25 21 BOP DRILL 1145 1645 5.00 2 DRILL 216 MM HOLE 534- 573 1645 1715 0.50 22 CHANGE PISTON HEAD 850 PUMP 1715 1800 0.75 10 DEV. SURVEY 1800 2000 2.00 2 DRILL 216MM HOLE 573- 593 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 H.W D P 114 75 18 m X.O 152 0 39 m                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED TYPE QTY UNITS CALUSTIC 1 SX GE 110 SX SAWDUST 10 SX PRIMA SEAL F 2 SX                                     |  |  |  |  |  |  |  |  |  | Circ. Press (kPa) PUMP NO. 1 LINER(mm) SPM PUMP NO. 2 LINER(mm) SPM 7500 152 0 115 0 0 |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED 3500 @ 60 @ 554                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT DESILTER HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 DRILLPIPE STANDS 329 40 m DRILLPIPE SINGLES                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY DEPTH ( m ) DEVIATION DIRECTION 550 00 1 50                                                                  |  |  |  |  |  |  |  |  |  | CENTRIFUGE HOURS INTAKE OVERFLOW UNDERFLOW                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 12.85 m                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  | BOILER HRS. RUN PH STACK deg 8 00 11 0 440                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL 592.04 m                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  | Notes: FT. CROWN SAVER BLOW DOWN BOILERS 3X                                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OF D.C. 18 1000 dan                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WT OF STRING 32 1000 dan                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MYLES LOW                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                                          |  |                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | WSC CM<br>WSC CM<br>WSC CM<br>WSC CM<br>WSC CM<br>WSC CM |  | HRS NO <b>3</b><br><b>FUEL @ 08:00 HRS.</b>                                                                             |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  |                                                                                                                                                                                                                                                        |  | REG <b>188</b><br>BOILER                                 |  |                                                                                                                         |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE ID : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  | CM<br>CM<br>CM<br>CM<br>CM                               |  | WEATHER<br>TEMPERATURE <b>-40</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>CALM</b><br>ROAD CONDITION <b>ICE</b> |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                          |  |                                                                                                                         |  |

|      |      |                     |         |        |
|------|------|---------------------|---------|--------|
| ODE. | R.H. | YEAR 2003           | MONTH 2 | DAY 17 |
| WS   | CM   | REG NO 3            |         |        |
| WS   | CM   | FUEL @ 08:00 HRS.   |         |        |
| WS   | CM   | REG 188             | BOILER  |        |
| WS   | CM   | TEMPERATURE -40     |         |        |
| WS   | CM   | CONDITIONS CLEAR    |         |        |
| WS   | CM   | WIND DIRECTION CALM |         |        |
| WS   | CM   | ROAD CONDITION ICE  |         |        |

# CLINT MAYER

## SAFETY TOPIC

HOUSEKEEPING

| LAST CASING TUBING OR LINER | O.D. mm           |              | MIN. LD |        | kg/m               |         | MAKE       |             | GRADE             |                   | # OF JOINTS   |                  | TOTAL (m)      |                | KB TO CSG.  |            | SET AT (m)           |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |    |    |    |    |       |  |  |  |  |  |  | Mon | Day | Eve |
|-----------------------------|-------------------|--------------|---------|--------|--------------------|---------|------------|-------------|-------------------|-------------------|---------------|------------------|----------------|----------------|-------------|------------|----------------------|----------------|-----------------|------------------|----------------|--------------------|----|----|----|----|-------|--|--|--|--|--|--|-----|-----|-----|
|                             |                   |              |         |        |                    |         |            |             |                   |                   |               |                  |                |                |             |            | NO. 1 TYPE KING TYPE |                |                 |                  |                |                    |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
|                             |                   |              |         |        |                    |         |            |             |                   |                   |               |                  |                |                |             |            | CHANGE SCREENS       |                |                 |                  |                |                    |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
|                             |                   |              |         |        |                    |         |            |             |                   |                   |               |                  |                |                |             |            |                      |                |                 |                  |                |                    |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
| DC                          | DP                | SIZE         | KG / M  | GRADE  | MIN.ID             | TOOL JT | O.D.       | TYPE THREAD | # OF JOINTS       | PUMP MANUFACTURER |               |                  | PUMP TYPE      |                | STROKE LTH. |            | TOP                  | 80140          | TOP             | 110              |                |                    |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
|                             |                   |              | 20.84   | E      | 84                 | 117     |            | 4"FH        | 208               | OILWELL           |               |                  | PT-850         |                | 229         |            | MIDDLE               | 80140          | MIDDLE          | 110              |                |                    |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
|                             |                   |              | 62.45   | H.W.D. | 70                 | 158     |            | 4.5"XH      | 20                | EMSCO             |               |                  | 375            |                | 356         |            | BOTTOM               | 110            | BOTTOM          | 110              |                |                    |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
| 165                         |                   |              | 151.70  | D.C    | 73                 | 171     |            | 4.5"XH      | 20                |                   |               |                  |                |                |             |            |                      |                |                 |                  |                |                    |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
| CODE NO.                    | 1                 | 2            | 3       | 4      | 5                  | 6       | 7          | 8           | 9                 | 10                | 11            | 12               | 13             | 14             | 15          | 16         | 17                   | 18             | 19              | 20               | 21             | 22                 | 23 | 24 | 25 | 26 | TOTAL |  |  |  |  |  |  |     |     |     |
| OPER.                       | REGRUP & TEARDOWN | DRILL ACTUAL | REARND  | CORND  | COND. BUID & CIRC. | TRPS    | RD SERVICE | REPAIRRD    | CUT OFF DRAL LINE | DEV SURVEY        | WIRELINE LOGS | RUN CGL & CEMENT | WAIT ON CEMENT | SPPLE UP B.O.P | TEST B.O.P  | DRILL STEM | PLUG BACK            | SQUEEZE CEMENT | FEHND           | DIRECTIONAL WORK | SAFETY MEETING | OTHER              |    |    |    |    |       |  |  |  |  |  |  |     |     |     |
| MORN                        |                   | 5 00         |         |        | 2.25               |         | 0.25       |             |                   |                   |               |                  |                |                | 0 50        |            |                      |                |                 |                  |                |                    |    |    |    |    | 8 00  |  |  |  |  |  |  |     |     |     |
| DAY                         |                   | 7 00         |         |        | 2 75               |         | 0.25       |             |                   | 0 75              |               |                  |                |                |             |            |                      |                |                 | 0 50             | 0 25           | 0 50               |    |    |    |    | 12 00 |  |  |  |  |  |  |     |     |     |
| EVE                         |                   | 3 75         |         |        |                    |         | 0 25       |             |                   |                   |               |                  |                |                |             |            |                      |                |                 |                  |                |                    |    |    |    |    | 4 00  |  |  |  |  |  |  |     |     |     |
| TOTAL                       |                   | 15 75        |         |        | 5 00               |         | 0 75       |             |                   | 0 75              |               |                  |                |                | 0 50        |            |                      |                |                 | 0 50             | 0 25           | 0 50               |    |    |    |    | 24 00 |  |  |  |  |  |  |     |     |     |

[illegible]



|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                           |  |                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                            |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | WS CM<br>WS CM<br>WS CM<br>WS CM<br>WS CM |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b>                                                                            |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                        |  | RIG <b>88</b>                             |  | BOILER                                                                                                                  |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  | CM<br>CM<br>CM                            |  | WEATHER<br>TEMPERATURE <b>-38</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>S.E.</b><br>ROAD CONDITION <b>ICE</b> |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                           |  |                                                                                                                         |  |

## CLINT MAYER

## SAFETY TOPIC

STEAM KELLY

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D |        | kg/m               |       | MAKE          |           | GRADE              |             | # OF JOINTS   |                   | TOTAL (m)         |                  | KB TO CSG.  |            | SET AT (m)  |                | SHALE SHAKER(S) |                  |                | RENTALS / SERVICES |           |           |    |       |       |  |  |  |  | Morn | Day | Eve |  |  |
|-----------------------------|------------------|--------------|----------|--------|--------------------|-------|---------------|-----------|--------------------|-------------|---------------|-------------------|-------------------|------------------|-------------|------------|-------------|----------------|-----------------|------------------|----------------|--------------------|-----------|-----------|----|-------|-------|--|--|--|--|------|-----|-----|--|--|
|                             |                  |              |          |        |                    |       |               |           |                    |             |               |                   |                   |                  |             |            |             |                | NO. 1           | TYPE KING        |                | TYPE               |           |           |    |       |       |  |  |  |  |      |     |     |  |  |
|                             |                  |              |          |        |                    |       |               |           |                    |             |               |                   |                   |                  |             |            |             |                | CHANGE SCREENS  |                  | SEA            | ON                 |           |           |    |       |       |  |  |  |  |      |     |     |  |  |
|                             |                  |              |          |        |                    |       |               |           |                    |             |               |                   |                   |                  |             |            |             |                | TOP 80140       |                  | TOP 110        |                    |           |           |    |       |       |  |  |  |  |      |     |     |  |  |
| DC . DP SIZE                | KG / M           |              | GRADE    |        | MIN. I.D           |       | TOOL JT. O.D. |           | TYPE THREAD        |             | # OF JOINTS   |                   | PUMP MANUFACTURER |                  | PUMP TYPE   |            | STROKE LTH. |                | MIDDLE 80140    |                  | MIDDLE 110     |                    |           |           |    |       |       |  |  |  |  |      |     |     |  |  |
|                             | 20.84            |              | E        |        | 84                 |       | 117           |           | 4"FH               |             | 208           |                   | OILWELL           |                  | PT-850      |            | 229         |                |                 |                  |                |                    |           |           |    |       |       |  |  |  |  |      |     |     |  |  |
|                             | 62.45            |              | H.W.D.   |        | 70                 |       | 158           |           | 4.5"XH             |             | 20            |                   | EMSCO             |                  | 375         |            | 356         |                |                 |                  |                |                    |           |           |    |       |       |  |  |  |  |      |     |     |  |  |
| 165                         | 151.70           |              | D.C      |        | 73                 |       | 171           |           | 4.5"XH             |             | 20            |                   |                   |                  |             |            |             |                | BOTTOM 110      |                  | BOTTOM 110     |                    |           |           |    |       |       |  |  |  |  |      |     |     |  |  |
| CODE NO.                    | 1                | 2            | 3        | 4      | 5                  | 6     | 7             | 8         | 9                  | 10          | 11            | 12                | 13                | 14               | 15          | 16         | 17          | 18             | 19              | 20               | 21             | 22                 | 23        | 24        | 25 | 26    | TOTAL |  |  |  |  |      |     |     |  |  |
| OPER.                       | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING  | CORING | COND. BRID & CRIC. | TRIPS | RIG SERVICE   | REPAIRING | CUT OFF DRLO. LINE | DEV. SURVEY | WIRELINE LOOS | RUN CSQ. & CEMENT | WAIT ON CEMENT    | NIPLLE UP B.O.P. | TEST B.O.P. | DRILL STEM | PLUG BACK   | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING | LEVEL RIG          | ENCAPSILA | DRILL OUT |    |       |       |  |  |  |  |      |     |     |  |  |
| MORN                        |                  |              |          |        |                    |       | 0.25          |           |                    |             |               |                   |                   |                  |             |            |             |                |                 |                  |                |                    | 7.75      |           |    | 8.00  |       |  |  |  |  |      |     |     |  |  |
| DAY                         |                  |              |          |        |                    |       | 0.25          |           |                    |             |               |                   |                   |                  |             |            |             |                |                 |                  |                |                    | 11.75     |           |    | 12.00 |       |  |  |  |  |      |     |     |  |  |
| EVE                         |                  |              |          |        |                    | 1.25  | 0.25          |           |                    |             |               |                   |                   |                  |             |            |             |                |                 | 0.50             | 0.25           | 1.00               |           | 0.75      |    | 4.00  |       |  |  |  |  |      |     |     |  |  |
| TOTAL                       |                  |              |          |        |                    | 1.25  | 0.75          |           |                    |             |               |                   |                   |                  |             |            |             |                |                 | 0.50             | 0.25           | 1.00               | 19.50     | 0.75      |    | 24.00 |       |  |  |  |  |      |     |     |  |  |

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|                                                                                                                           |                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| LICENCE NO. : <b>WID1934</b>                                                                                              | WELL NAME AND NO : <b>PARA etal NOGHA P C-49</b>                                                                           |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                     |
| SURFACE LOCATION :                                                                                                        | UNIQUE ID . <b>300C496640125450</b>                                                                                        |
| OPERATORS REPRESENTATIVE- ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( If required )
- (4) Well License & Strik Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's Flarelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A. O.D.C. Rig Safety Inspection Checklists(one/rig/month)
- (3) Must inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

|      |      |                    |         |        |
|------|------|--------------------|---------|--------|
| Obs. | R.R. | YEAR 2003          | MONTH 2 | DAY 16 |
| WS   | CM   | RIG NO. 3          |         |        |
| WS   | CM   | FUEL @ 08:00 HRS.  |         |        |
| WS   | CM   | RIG 88             |         |        |
| WS   | CM   | BOILER             |         |        |
| CM   | CM   | WEATHER            |         |        |
| CM   | CM   | TEMPERATURE -38    |         |        |
| CM   | CM   | CONDITIONS CLEAR   |         |        |
| CM   | CM   | WIND DIRECTION SE  |         |        |
| CM   | CM   | ROAD CONDITION ICE |         |        |

**CLINT MAYER**

## SAFETY TOPIC

## STEAM LINES

|                             |        |      |          |  |        |  |         |  |              |  |             |  |             |  |                   |  |            |  |                 |           |              |                    |            |  |     |     |     |  |  |  |
|-----------------------------|--------|------|----------|--|--------|--|---------|--|--------------|--|-------------|--|-------------|--|-------------------|--|------------|--|-----------------|-----------|--------------|--------------------|------------|--|-----|-----|-----|--|--|--|
| LAST CASING TUBING OR LINER | O D mm |      | MIN. I.D |  | kg/m   |  | MAKE    |  | GRADE        |  | # OF JOINTS |  | TOTAL (m)   |  | KB TO CSG.        |  | SET AT (m) |  | SHAPE SHAKER(S) |           |              | RENTALS / SERVICES |            |  | Mon | Day | Eve |  |  |  |
|                             |        |      |          |  |        |  |         |  |              |  |             |  |             |  |                   |  |            |  | NO 1            | TYPE KING | TYPE         |                    |            |  |     |     |     |  |  |  |
|                             |        |      |          |  |        |  |         |  |              |  |             |  |             |  |                   |  |            |  | CHANGE SCREENS  |           | YES          | NO                 |            |  |     |     |     |  |  |  |
|                             |        |      |          |  |        |  |         |  |              |  |             |  |             |  |                   |  |            |  | TOP 80140       |           | TOP 110      |                    |            |  |     |     |     |  |  |  |
| DC                          | DP     | SIZE | KG / M   |  | GRADE  |  | MIN. ID |  | TOOL JT O.D. |  | TYPE THREAD |  | # OF JOINTS |  | PUMP MANUFACTURER |  | PUMP TYPE  |  | STROKE LTH.     |           | MIDDLE 80140 |                    | MIDDLE 110 |  |     |     |     |  |  |  |
|                             |        |      | 20.84    |  | E      |  | 84      |  | 117          |  | 4"FH        |  | 208         |  | OILWELL           |  | PT-850     |  | 229             |           |              |                    |            |  |     |     |     |  |  |  |
|                             |        |      | 62.45    |  | H.W.D. |  | 70      |  | 158          |  | 4.5"XH      |  | 20          |  | EMSCO             |  | 375        |  | 356             |           | BOTTOM 110   |                    | BOTTOM 110 |  |     |     |     |  |  |  |
| 165                         |        |      | 151.70   |  | D.C    |  | 73      |  | 171          |  | 4.5"XH      |  | 20          |  |                   |  |            |  |                 |           |              |                    |            |  |     |     |     |  |  |  |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7           | 8       | 9                  | 10         | 11            | 12                | 13             | 14              | 15         | 16          | 17        | 18             | 19      | 20               | 21             | 22        | 23        | 24        | 25 | 26 | TOTAL |
|----------|------------------|--------------|---------|--------|-------------------|-------|-------------|---------|--------------------|------------|---------------|-------------------|----------------|-----------------|------------|-------------|-----------|----------------|---------|------------------|----------------|-----------|-----------|-----------|----|----|-------|
| OPER.    | RIGUP & TEARDOWN | DRILL ACTUAL | REASING | CORING | COND. MUD & CIRC. | TRIPS | RIG SERVICE | REPAIRS | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CSOL & CEMENT | WAIT ON CEMENT | RIPPLE UP B.O.P | TEST B.O.P | DRILL STEPS | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY REENTRY | LEVEL RIG | ENCAPSULA | DRILL OUT |    |    |       |
| MORN     |                  |              |         |        |                   |       | 0.25        |         |                    |            |               |                   |                |                 |            |             |           |                |         |                  |                |           | 7.75      |           |    |    | 8.00  |
| DAY      |                  |              |         |        |                   |       | 0.25        |         |                    |            |               |                   |                |                 |            |             |           |                |         |                  |                |           | 11.75     |           |    |    | 12.00 |
| EVE      |                  |              |         |        |                   | 1.25  | 0.25        |         |                    |            |               |                   |                |                 |            |             |           |                |         | 0.50             | 0.25           | 1.00      |           | 0.75      |    |    | 4.00  |
| TOTAL    |                  |              |         |        |                   | 1.25  | 0.75        |         |                    |            |               |                   |                |                 |            |             |           |                |         | 0.50             | 0.25           | 1.00      | 19.50     | 0.75      |    |    | 24.00 |

[illegible]



|                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|----------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| EVENING SHIFT                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 16                                                                                                   |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA P C-49                                                                                   |  |  |  |  |  |  |  |  |  |
| OPERATOR. PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | CONTRACTOR WILSON DRILLING LTD.                                                                                            |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION :                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | UNIQUE I.D. : 300C496640125450                                                                                             |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  |
| WILF SWAN                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                |  |  |  |  |  |  |  |  |  |
| SAFETY TOPIC                                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | BOP DRILL                                                                                                                  |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | SHALE SHAKERS(S)                                                                                                           |  |  |  |  |  |  |  |  |  |
| O.D. mm MIN. LD kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                         |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. ID TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | Morn Day Eve                                                                                                               |  |  |  |  |  |  |  |  |  |
| 20.84 E 84 117 4"FH 208 OILWELL PT-850 229                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |
| 62.45 H.W.D. 70 158 4.5"XH 20 EMSCO 375 356                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |
| 151.70 D.C. 73 171 4.5"XH 20                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |
| OPER. GROUP'S TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CSG. THPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEPS PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING LEVEL RIG ENCAPSILA DRILL OUT |  |  |  |  |  |  |  |  |  |                                                                                                                            |  |  |  |  |  |  |  |  |  |
| BORN 0.25                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | 7 75 8 00                                                                                                                  |  |  |  |  |  |  |  |  |  |
| DAY 0.25                                                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | 11 75 12 00                                                                                                                |  |  |  |  |  |  |  |  |  |
| EVE 1.25 0.25                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | 0 50 0.25 1 00 0 75 4 00                                                                                                   |  |  |  |  |  |  |  |  |  |
| TOTAL 1.25 0.75                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | 0 50 0.25 1 00 19 50 0 75 24 00                                                                                            |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | TIME DETAIL                                                                                                                |  |  |  |  |  |  |  |  |  |
| 1 BIT/REELS O.D. mm 0.25 m BIT NO. 1 SIZE (mm) 216 0 IADC CODE HUGHES GTS30H SERIAL NO. 6002937                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED                                                                                                      |  |  |  |  |  |  |  |  |  |
| MOTOR 159 8 10 m                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | TIME DENSITY kg/m3 FUNNEL VIS s/1 W.L. cm/ FILCK PH                                                                        |  |  |  |  |  |  |  |  |  |
| FLOAT SUB 165 0 80 m                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  | FROM TO DRILL/ REAM/CR ROTARY R.P.M. WT ON BIT                                                                             |  |  |  |  |  |  |  |  |  |
| X.O. 166 0 22 m                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | 509.00 25 4                                                                                                                |  |  |  |  |  |  |  |  |  |
| MONEL 164 9 47 m                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | 2000 2015 0.25 7 RIG SERVICE/ FUNC HYDRIL 10 SECS CLOSE                                                                    |  |  |  |  |  |  |  |  |  |
| TRANSMIT 159 1 80 m                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | 2015 2030 0.25 21 BOP DRILL WITH CREW WELL SECURE IN 90 SECS                                                               |  |  |  |  |  |  |  |  |  |
| MONEL 164 9 47 m                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | 2030 2130 1.00 22 LEVEL RIG                                                                                                |  |  |  |  |  |  |  |  |  |
| X.O. 165 0 70 m                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | 2130 2200 0.50 20 DIR. WORK/ CIRC BOTTOMS UP AND TEST MWD EQUIPMENT                                                        |  |  |  |  |  |  |  |  |  |
| D.C. 164 34 56 m                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | 2200 2315 1.25 6 RIH WITH DP /TAG PLUG AT 492 M                                                                            |  |  |  |  |  |  |  |  |  |
| JAR 160 5 20 m                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | 2315 2400 0.75 24 DRILL OUT FLOAT AND SHOE                                                                                 |  |  |  |  |  |  |  |  |  |
| D.C. 164 103 85 m                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | 2400                                                                                                                       |  |  |  |  |  |  |  |  |  |
| 8 H.W.D.P. 114 75 18 m                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED @ 10 @                                                                                                  |  |  |  |  |  |  |  |  |  |
| X.O. 152 0 39 m                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT DESILTER                                                                                          |  |  |  |  |  |  |  |  |  |
| 12 DRILLPIPE STANDS 233 52 m                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                            |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                 |  |  |  |  |  |  |  |  |  |
| KELLY DOWN 12.85 m                                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                            |  |  |  |  |  |  |  |  |  |
| TOTAL 496.36 m                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY                                                                                                           |  |  |  |  |  |  |  |  |  |
| D.C. 18 1000 drag                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | DEPTH (m) DEVIATION DIRECTION                                                                                              |  |  |  |  |  |  |  |  |  |
| WT OF STRING 33 1000 drag                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                                                                               |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MIKE STOLTE                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | MACP MAX HOOKLOAD 28                                                                                                       |  |  |  |  |  |  |  |  |  |

|                                                                                                                                                                                                                                                                                                     |  |  |  |  |  |                                                                                                                             |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| MORNING SHIFT                                                                                                                                                                                                                                                                                       |  |  |  |  |  | YEAR 2003 MONTH 2 DAY 15                                                                                                    |  |  |  |  |  |
| LICENCE NO.: WID1934                                                                                                                                                                                                                                                                                |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA P C-49                                                                                    |  |  |  |  |  |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                                 |  |  |  |  |  | CONTRACTOR : WILSON DRILLING LTD.                                                                                           |  |  |  |  |  |
| SURFACE LOCATION :                                                                                                                                                                                                                                                                                  |  |  |  |  |  | UNIQUE I.D. : 300C496640125450                                                                                              |  |  |  |  |  |
| OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                            |  |  |  |  |  | CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |
| WILF SWAN                                                                                                                                                                                                                                                                                           |  |  |  |  |  | CLINT MAYER                                                                                                                 |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |  |  |  |  |  | SAFETY TOPIC                                                                                                                |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |  |  |  |  |  | FROST PLUGS                                                                                                                 |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                         |  |  |  |  |  | SHALE SHAKER(S)                                                                                                             |  |  |  |  |  |
| NO. 1 TYPE KING                                                                                                                                                                                                                                                                                     |  |  |  |  |  | TYPE                                                                                                                        |  |  |  |  |  |
| CHANGES SCREENS                                                                                                                                                                                                                                                                                     |  |  |  |  |  | YES NO                                                                                                                      |  |  |  |  |  |
| TOP 80140                                                                                                                                                                                                                                                                                           |  |  |  |  |  | TOP 110                                                                                                                     |  |  |  |  |  |
| MIDDLE 80140                                                                                                                                                                                                                                                                                        |  |  |  |  |  | MIDDLE 110                                                                                                                  |  |  |  |  |  |
| BOTTOM 110                                                                                                                                                                                                                                                                                          |  |  |  |  |  | BOTTOM 110                                                                                                                  |  |  |  |  |  |
| DC. DP SIZE KG / M GRADE MIN. ID TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                                       |  |  |  |  |  |                                                                                                                             |  |  |  |  |  |
| 102 20.84 E 84 117 4"FH 208 OILWELL PT-850 229                                                                                                                                                                                                                                                      |  |  |  |  |  |                                                                                                                             |  |  |  |  |  |
| 62.45 H.W.D. 70 158 4.5"XH 20 EMSCO 375 358                                                                                                                                                                                                                                                         |  |  |  |  |  |                                                                                                                             |  |  |  |  |  |
| 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                                         |  |  |  |  |  |                                                                                                                             |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                                 |  |  |  |  |  |                                                                                                                             |  |  |  |  |  |
| OPER. RIGUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. BUD & CHG. TRIPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOGS RUN COB. & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER ENCAPSILA |  |  |  |  |  |                                                                                                                             |  |  |  |  |  |
| NORM 3 00 0.25                                                                                                                                                                                                                                                                                      |  |  |  |  |  | 4 00 0 75 8 00                                                                                                              |  |  |  |  |  |
| DAY 11 75 0.25                                                                                                                                                                                                                                                                                      |  |  |  |  |  | 12 00                                                                                                                       |  |  |  |  |  |
| EVE 2 50                                                                                                                                                                                                                                                                                            |  |  |  |  |  | 1 50 4 00                                                                                                                   |  |  |  |  |  |
| TOTAL 17 25 0 50                                                                                                                                                                                                                                                                                    |  |  |  |  |  | 4 00 0 75 1 50 24 00                                                                                                        |  |  |  |  |  |
| DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD                                                                                                                                                                                                                                                       |  |  |  |  |  | MUD RECORD                                                                                                                  |  |  |  |  |  |
| BIT NO. SIZE (mm) IADC CODE MFG. Type SERIAL NO. JETS (mm) DEPTH IN (m) DEPTH OUT (m) TOTAL METER TOTAL HOURS                                                                                                                                                                                       |  |  |  |  |  | WATER BASED OIL BASED TIME DENSITY kg/m <sup>3</sup> FUNNEL VIS s/1 W.L cm/ FLCK PH                                         |  |  |  |  |  |
| 15 DRILLPIPE STANDS 291 75 m                                                                                                                                                                                                                                                                        |  |  |  |  |  | MUD MATERIALS USED TYPE QTY UNITS                                                                                           |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                                                                                                                                                                                                   |  |  |  |  |  | REDUCED PUMP SPEED @ @                                                                                                      |  |  |  |  |  |
| KELLY DOWN                                                                                                                                                                                                                                                                                          |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT DESILTER HOURS INTAKE OVERFLOW UNDERFLOW                                                           |  |  |  |  |  |
| TOTAL 291.75 m                                                                                                                                                                                                                                                                                      |  |  |  |  |  | CENTRIFUGE HOURS INTAKE OVERFLOW UNDERFLOW                                                                                  |  |  |  |  |  |
| D.C. 1000 dan                                                                                                                                                                                                                                                                                       |  |  |  |  |  | BOILER PH STACK deg                                                                                                         |  |  |  |  |  |
| WT. OF STRNG 33                                                                                                                                                                                                                                                                                     |  |  |  |  |  | HRS. RUN 8 00 11 0 400                                                                                                      |  |  |  |  |  |
| DRILLERS SIGNATURE MIKE STOLTE                                                                                                                                                                                                                                                                      |  |  |  |  |  | MACP MAX HOOKLOAD 18                                                                                                        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |  |  |  |  |  | Notes: BLEW BOILERS 3X EACH                                                                                                 |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |  |  |  |  |  | DAILY WALK AROUND MS                                                                                                        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |  |  |  |  |  | FUEL BOILER # 1 170 CM                                                                                                      |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                     |  |  |  |  |  | BOILER # 2 100 CM                                                                                                           |  |  |  |  |  |

[illegible]

|                                                                                                                         |                   |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|-------------------------------------------------------------------------------------------------------------------------|-------------------|--------------|---------|--------|-------------------|---------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|-------------------|-------------|--------------|-------------------|----------------|-----------------|-------------------------|------------|-----------|----------------|---------|------------------|--------------------|-------|----|----|----|----|-------|-----|-----|
| LICENCE NO. WID1934                                                                                                     |                   |              |         |        |                   | WELL NAME AND NO.: PARA etal NOGHA                                                                                        |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| OPERATOR PARAMOUNT RESOURCES LTD.                                                                                       |                   |              |         |        |                   | CONTRACTOR WILSON DRILLING LTD.                                                                                           |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| SURFACE LOCATION :                                                                                                      |                   |              |         |        |                   | UNIQUE I.D. : 300C496640125450                                                                                            |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| OPERATORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                   |              |         |        |                   | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| MILES PYRET                                                                                                             |                   |              |         |        |                   | CLINT MAYER                                                                                                               |             |                   |                   |             |              | SAFETY TOPIC      |                |                 |                         |            |           | DIR WORK       |         |                  |                    |       |    |    |    |    |       |     |     |
| <div>LAST CASING TUBING OR LINER</div>                                                                                  |                   |              |         |        |                   | O.D mm                                                                                                                    | MIN. L.D    | kg/m              | MAKE              | GRADE       | # OF JOINTS  | TOTAL (m)         | KB TO CSG      | SET AT (m)      | SHAPE SHAKER(S)         |            |           |                |         |                  | RENTALS / SERVICES |       |    |    |    |    | Morn  | Day | Eve |
|                                                                                                                         |                   |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 | NO. 1 TYPE KING TYPE    |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         |                   |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 | CHANGE SCREENS YES NO   |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         |                   |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 | TOP 80140 TOP 140       |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         |                   |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 | MIDDLE 80140 MIDDLE 140 |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         |                   |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 | BOTTOM 80 BOTTOM 80140  |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| DC                                                                                                                      | DP SIZE           | KG / M       | GRADE   | MIN.ID | TOOL JT O.D.      | TYPE THREAD                                                                                                               | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE         | STROKE LTH. |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 102                                                                                                                     | 20.84             | E            | 84      | 117    | 4"FH              | 260                                                                                                                       | OILWELL     | PT-850            | 229               |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 4                                                                                                                       | 62.45             | H.W.D        | 70      | 158    | 4.5"XH            | 20                                                                                                                        | EMSCO       | 375               | 356               |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 5                                                                                                                       | 151.70            | D.C          | 73      | 171    | 4.5"XH            | 20                                                                                                                        |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| CODE NO.                                                                                                                | 1                 | 2            | 3       | 4      | 5                 | 6                                                                                                                         | 7           | 8                 | 9                 | 10          | 11           | 12                | 13             | 14              | 15                      | 16         | 17        | 18             | 19      | 20               | 21                 | 22    | 23 | 24 | 25 | 26 | TOTAL |     |     |
| OPR.                                                                                                                    | RIGUP & TEARDOWN  | DRILL ACTUAL | REAMING | CORING | CORO. BUD & CIRC. | TRIPS                                                                                                                     | R/O SERVICE | REPAIR/R/O        | CUT OFF DRUG LINE | DEV SURVEY  | WIRELIN LOGS | RUN COOL & CEMENT | WAIT ON CEMENT | NIPPLE UP B.O.P | TEST B.O.P              | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING     | OTHER |    |    |    |    |       |     |     |
| BORN                                                                                                                    |                   | 7 50         |         |        |                   |                                                                                                                           | 0.25        |                   |                   | 0 25        |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    | 8 00  |     |     |
| DAY                                                                                                                     |                   | 5 50         |         |        |                   | 0.50                                                                                                                      | 4 00        | 0 25              |                   | 0.25        |              |                   |                |                 |                         |            |           |                |         |                  |                    | 1.50  |    |    |    |    | 12 00 |     |     |
| EVE                                                                                                                     |                   |              |         |        |                   | 2 50                                                                                                                      |             |                   |                   |             |              |                   |                |                 |                         |            |           |                | 1 50    |                  |                    |       |    |    |    |    | 4 00  |     |     |
| TOTAL                                                                                                                   |                   | 13 00        |         |        |                   | 0 50                                                                                                                      | 6 50        | 0 50              |                   | 0 50        |              |                   |                |                 |                         |            |           |                | 1 50    |                  |                    | 1 50  |    |    |    |    | 24 00 |     |     |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL                        |                   |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | BIT MILLS         | O.D.mmm      | 0 30    | m      | BIT NO.           | 1B                                                                                                                        |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | DOG SUB           | 311          | 0 39    | m      | SIZE (mm)         | 311 0                                                                                                                     |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | MOTOR             | 203          | 9 53    | m      | IADC CODE         |                                                                                                                           |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | D.C.              | 219          | 9 02    | m      | MFG.              | VAREL                                                                                                                     |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | SHOCK SUB         | 222          | 3 98    | m      | Type              | ETD 44                                                                                                                    |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | D.C.              | 219          | 8 81    | m      | SERIAL NO.        | 152979                                                                                                                    |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | BELL SUB          | 219          | 0 70    | m      | JETS (mm)         | 14,14,14,                                                                                                                 |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
| 1                                                                                                                       | X.O               | 152          | 0 39    | m      | DEPTH IN (m)      | 60 00                                                                                                                     |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         | D.C               | 165          | 120 45  | m      | DEPTH OUT (m)     | 89 00                                                                                                                     |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         |                   |              |         |        | TOTAL METER       | 29 00                                                                                                                     |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         |                   |              |         |        | TOTAL HOURS       | 10 75                                                                                                                     |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         | DRILLPIPE STANDS  |              |         |        | INNER             | OUTER                                                                                                                     | PULL        | LOCATION          | BEARINGS          | Other       | Reason       | R.O.P             |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         | DRILLPIPE SINGLES |              |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         | KELLY DOWN        | 12.85        |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         | TOTAL             | 166.42       |         |        |                   |                                                                                                                           |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |
|                                                                                                                         | WT OF D.C.        |              |         |        | 1000              | DRAG dan                                                                                                                  |             |                   |                   |             |              |                   |                |                 |                         |            |           |                |         |                  |                    |       |    |    |    |    |       |     |     |



|                                                                                                                                                                                                                                                                                        |  |                                                                                                                           |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO.: WID1934                                                                                                                                                                                                                                                                   |  | WELL NAME AND NO.: PARA etal NOGHA                                                                                        |  |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                    |  | CONTRACTOR : WILSON DRILLING LTD.                                                                                         |  |
| SURFACE LOCATION :                                                                                                                                                                                                                                                                     |  | UNIQUE I.D. : 300C496640125450                                                                                            |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                               |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |
| MILES PYRET                                                                                                                                                                                                                                                                            |  | CLINT MAYER                                                                                                               |  |
|                                                                                                                                                                                                                                                                                        |  | SAFETY TOPIC : DRILLING AHEAD                                                                                             |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                            |  | SHALE SHAKER(S) : RENTALS / SERVICES                                                                                      |  |
| DC . DP SIZE                                                                                                                                                                                                                                                                           |  | NO 1 TYPE KING TYPE                                                                                                       |  |
| KG / H GRADE MIN ID TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH                                                                                                                                                                                        |  | CHANGE SCREENS YES NO                                                                                                     |  |
| 102 20.84 E 84 117 4"FH 260 OILWELL PT-850 229                                                                                                                                                                                                                                         |  | TOP 80140 TOP 140                                                                                                         |  |
| 62.45 H.W.D. 70 158 4.5"XH 20 EMSCO 375 356                                                                                                                                                                                                                                            |  | MIDDLE 80140 MIDDLE 140                                                                                                   |  |
| 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                            |  | BOTTOM 80 BOTTOM 80140                                                                                                    |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                    |  |                                                                                                                           |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING CORR. MUD & CIRC TRIPS RD SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOG RUN CSO. & CEMENT WAIT ON CEMENT RIPPLE UP B.O.P TEST B.O.P DRILL STEPS PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER |  |                                                                                                                           |  |
| BORN 4 75 1.25 0 25 0 25                                                                                                                                                                                                                                                               |  | 8 00                                                                                                                      |  |
| DAY 4 25                                                                                                                                                                                                                                                                               |  | 12.00                                                                                                                     |  |
| EVE 2 50 1.25 0 25                                                                                                                                                                                                                                                                     |  | 4 00                                                                                                                      |  |
| TOTAL 7.25 6 75 0 25 0 50                                                                                                                                                                                                                                                              |  | 24 00                                                                                                                     |  |
| DRILLING ASSEMBLY (AT END OF TOUR)                                                                                                                                                                                                                                                     |  | BIT RECORD                                                                                                                |  |
| NO. BIT BITS D.D. mm 0 30 m BIT NO 1B                                                                                                                                                                                                                                                  |  | MUD RECORD                                                                                                                |  |
| 1 DOG SUB 311 0.39 m SIZE (mm) 311 0                                                                                                                                                                                                                                                   |  | WATER BASED OIL BASED                                                                                                     |  |
| 1 MOTOR 203 9 53 m                                                                                                                                                                                                                                                                     |  | TIME 330                                                                                                                  |  |
| 1 DC 219 9 02 m                                                                                                                                                                                                                                                                        |  | DENSITY kg/m3 1030                                                                                                        |  |
| 1 SHOCK SUB 222 3 98 m                                                                                                                                                                                                                                                                 |  | FUNNEL VIS s/l 43                                                                                                         |  |
| 1 DC 219 8 81 m                                                                                                                                                                                                                                                                        |  | W.L. cm/FILCK                                                                                                             |  |
| 1 BELL SUB 219 0 70 m                                                                                                                                                                                                                                                                  |  | PH 11 5                                                                                                                   |  |
| 1 X.O 152 0 39 m                                                                                                                                                                                                                                                                       |  | PUMP NO. 1 PUMP NO. 2                                                                                                     |  |
| 1 DC 165 8 67 m                                                                                                                                                                                                                                                                        |  | Liner(mm) SPM Liner(mm) SPM                                                                                               |  |
| 1 DC 165 8 50 m                                                                                                                                                                                                                                                                        |  | REDUCED PUMP SPEED                                                                                                        |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | @ @                                                                                                                       |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | MUD MATERIALS USED                                                                                                        |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | TYPE QTY UNITS                                                                                                            |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | SODA ASH 5 SX                                                                                                             |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | DEPTH IN (m) 60 00                                                                                                        |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | DEPTH OUT (m) 89 00                                                                                                       |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | TOTAL WATER 29 00                                                                                                         |  |
| 1 DC 165 8 75 m                                                                                                                                                                                                                                                                        |  | TOTAL HOURS 4 75                                                                                                          |  |
| DRILLPIPE STANDS                                                                                                                                                                                                                                                                       |  | DEVIATION SURVEY                                                                                                          |  |
| DRILLPIPE SINGLES                                                                                                                                                                                                                                                                      |  | DEPTH (m) DEVIATION DIRECTION                                                                                             |  |
| KELLY DOWN 12.85                                                                                                                                                                                                                                                                       |  | 60 00 0 50                                                                                                                |  |
| TOTAL 89.14                                                                                                                                                                                                                                                                            |  | HRS. RUN BOILER PH STACK deg                                                                                              |  |
| WT. OF D.C. 1000 dan                                                                                                                                                                                                                                                                   |  | 8 00 11 0 400                                                                                                             |  |
| WT. OF TORQUE 1000 dan                                                                                                                                                                                                                                                                 |  | MACP MAX HOOKLOAD                                                                                                         |  |
| DRILLERS SIGNATURE MYLES LOW                                                                                                                                                                                                                                                           |  | Notes:                                                                                                                    |  |
|                                                                                                                                                                                                                                                                                        |  | FT CROWN SAVER                                                                                                            |  |
|                                                                                                                                                                                                                                                                                        |  | RIG WALK AROUND                                                                                                           |  |
|                                                                                                                                                                                                                                                                                        |  | BOILER 130                                                                                                                |  |

[illegible]

|                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| EVERING SHIP 1                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  | LIVU                                                                                                                      |  |  |  |  |  |  |  |  |  | MP CM MP CM MP CM MP CM MP CM                                                                                                               |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA                                                                                         |  |  |  |  |  |  |  |  |  | RIG NO. 3                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| OPERATOR: PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | CONTRACTOR: WILSON DRILLING LTD.                                                                                          |  |  |  |  |  |  |  |  |  | FUEL @ 08:00 HRS.                                                                                                                           |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION:                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | UNIQUE I.D. 300C496640125450                                                                                              |  |  |  |  |  |  |  |  |  | RIG 138 BOILER 133                                                                                                                          |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  | TEMPERATURE -30<br>CONDITIONS CLOUDY<br>WIND DIRECTION S E<br>ROAD CONDITION ICE                                                            |  |  |  |  |  |  |  |  |  |
| MILES PYRET                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                               |  |  |  |  |  |  |  |  |  | SAFETY TOPIC<br>PU/DC05                                                                                                                     |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | O.D. mm MIN. LD kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG SET AT (m)                                                |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S)<br>NO. 1 TYPE KING TYPE<br>CHANGE SCREENS YEAR ON<br>TOP 80140 TOP 140<br>MIDDLE 80140 MIDDLE 140<br>BOTTOM 80 BOTTOM 80140 |  |  |  |  |  |  |  |  |  |
| DC. DP SIZE KG/M GRADE MIN. ID TOOL JT O.D TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                        |  |  |  |  |  |  |  |  |  | Morn Day Eve                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 102 20.84 E 84 117 4"FH 260 OILWELL PT-850 229                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 62.45 H.W.D 70 158 4.5"XH 20 EMSCO 375 356                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 5 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. BRD & CBL TRIPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOGS RUN COOL & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P TEST B.O.P DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING OTHER |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| BORN 4 75 1.25 0 25 0 25                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 1 50 8 00                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| DAY 4 25                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 7 75 12.00                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| EVE 2 50 1 25 0 25                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 4 00                                                                                                                                        |  |  |  |  |  |  |  |  |  |
| TOTAL 7.25 6 75 0 25 0 50                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | 9 25 24 00                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 BIT/SHL 1 O.D. mm 0 30 m BIT NO 1B                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED                                                                                                     |  |  |  |  |  |  |  |  |  | FROM TO DRILL/REAM/CR ROTARY R.P.M. WT ON BIT                                                                                               |  |  |  |  |  |  |  |  |  |
| 1 DOG SUB 311 0 39 m SIZE (mm) 311 0                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | TIME 930 1130                                                                                                             |  |  |  |  |  |  |  |  |  | 89.00 106.00 D 60 6                                                                                                                         |  |  |  |  |  |  |  |  |  |
| 1 MOTOR 203 9.53 m IADC CODE                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | DENSITY 1030 1030                                                                                                         |  |  |  |  |  |  |  |  |  | 2000 2115 1.25 6 TRIPS RUN IN THE HOLE                                                                                                      |  |  |  |  |  |  |  |  |  |
| 1 SHOCK SUB 222 3 98 m WFG. VAREL                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | FUNNEL VIS s/l 40 48                                                                                                      |  |  |  |  |  |  |  |  |  | 2115 2315 2.00 2 DRILL DRILL 311MM F80M-104M                                                                                                |  |  |  |  |  |  |  |  |  |
| 1 D.C 219 8 81 m Type ETD 44                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | W.L. cm/ FLCK                                                                                                             |  |  |  |  |  |  |  |  |  | 2315 2330 0.25 10 DEV. SURVEY                                                                                                               |  |  |  |  |  |  |  |  |  |
| 1 BELL SUB 219 0 70 m SERIAL NO 152979                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | PH 11 5 11 5                                                                                                              |  |  |  |  |  |  |  |  |  | 2330 2400 0.50 2 DRILL DRILL 311MM HOLE F/104M-106M                                                                                         |  |  |  |  |  |  |  |  |  |
| 1 X.O 152 0 39 m JETS (mm) 14, 14, 14                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED @ 0                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 67 m DEPTH IN (m) 60 00                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED TYPE QTY UNITS                                                                                         |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                                                                                    |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 50 m DEPTH OUT (m) 89 00                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | DESILTER                                                                                                                                    |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 75 m TOTAL METER 29 00                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 44 m TOTAL HOURS 7 25                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                                                                                                  |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 72 m DRILLPIPE STANDS                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 50 m DRILLPIPE SINGLES                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |                                                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 44 m KELL DOWN 12.55                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | DEVIATION SURVEY DEPTH (m) DEVIATION DIRECTION                                                                            |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                                                                                             |  |  |  |  |  |  |  |  |  |
| 1 D.C 165 8 72 m TOTAL 106.00                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | 86 00 1 25                                                                                                                |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                                                                                                |  |  |  |  |  |  |  |  |  |
| WT. OF D.C. 1000 dm                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | DRAG dan                                                                                                                  |  |  |  |  |  |  |  |  |  | 8 00 10 0 430                                                                                                                               |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 1000 dm                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | TORQUE                                                                                                                    |  |  |  |  |  |  |  |  |  | MACP 0                                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MYLES LOW                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | FILL m                                                                                                                    |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD                                                                                                                                |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  | Notes: FT. CROWN SAVER                                                                                                                      |  |  |  |  |  |  |  |  |  |

|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|----------------------------------------|--|--------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|------------------------|--|--------------------------|--|---------------------------|--|---------------------------|--|----------------------|--|--------------------|--|-------------------|--|----------------|--|-----------------|--|----------------------------------------------------|--|-------------------------------------------|--|-----------|--|----------------|--|---------|--|------------------|--|----------------|--|-----------|--|-----------|--|------|--|-------|--|-------|--|-------|--|
| LICENCE NO. <b>WID1934</b>             |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b> |  | OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines<br>(1) Rig Site Health and Safety Meeting (one/week/month)<br>(2) C.A. O.D.C Rig Safety Inspection Checklists(one/mth/month)<br>(3) Must Inspection Before Raising or Lowering<br>(4) Crown Seaver Checked<br>(5) Motor Kils Checked |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM |  | RIG NO. <b>3</b>       |  | FUEL @ 08:00 HRS.        |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
| SURFACE LOCATION :                     |  | UNIQUE I.D. <b>300C496640125450</b>        |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | RIG <b>166</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | BOILER                                             |  | TEMPERATURE <b>-33</b> |  | CONDITIONS <b>CLOUDY</b> |  | WIND DIRECTION <b>S E</b> |  | ROAD CONDITION <b>ICE</b> |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
| MILES PYRET                            |  | CLINT MAYER                                |  | SAFETY TOPIC                                                                                                               |  | nipple up                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
| LAST CASING TUBING OR LINER            |  | O.D mm                                     |  | MIN. LD                                                                                                                    |  | kg/m                                                                                                                       |  | MAKE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | GRADE                                              |  | # OF JOINTS            |  | TOTAL (m)                |  | KB TO CSG.                |  | SET AT (m)                |  | SHALE SHAKER(S)      |  | RENTALS / SERVICES |  | Morn              |  | Day            |  | Eve             |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  | NO. 1 TYPE KING TYPE |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  | CHANGE SCREENS       |  | YES                |  | NO                |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  | TOP 80140            |  | TOP 140            |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  | MIDDLE 80140         |  | MIDDLE 140         |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  | BOTTOM 80            |  | BOTTOM 80140       |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
| DC DP SIZE                             |  | KG / M                                     |  | GRADE                                                                                                                      |  | MIN. LD                                                                                                                    |  | TOOL JT O.D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | TYPE THREAD                                        |  | # OF JOINTS            |  | PUMP MANUFACTURER        |  | PUMP TYPE                 |  | STROKE LTH.               |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
| 102                                    |  | 20.84                                      |  | E                                                                                                                          |  | 84                                                                                                                         |  | 117                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 4"FH                                               |  | 260                    |  | OILWELL                  |  | PT-850                    |  | 229                       |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  | 62.45                                      |  | H.W.D.                                                                                                                     |  | 70                                                                                                                         |  | 158                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 4.5"XH                                             |  | 20                     |  | EMSCO                    |  | 375                       |  | 356                       |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  | 151.70                                     |  | D.C                                                                                                                        |  | 73                                                                                                                         |  | 171                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 4.5"XH                                             |  | 20                     |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
| CODE NO.                               |  | 1                                          |  | 2                                                                                                                          |  | 3                                                                                                                          |  | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | 5                                                  |  | 6                      |  | 7                        |  | 8                         |  | 9                         |  | 10                   |  | 11                 |  | 12                |  | 13             |  | 14              |  | 15                                                 |  | 16                                        |  | 17        |  | 18             |  | 19      |  | 20               |  | 21             |  | 22        |  | 23        |  | 24   |  | 25    |  | 26    |  | TOTAL |  |
| OPER.                                  |  | RIGUP & TEARDOWN                           |  | DRILL ACTUAL                                                                                                               |  | REARNDG                                                                                                                    |  | CORNDG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | CORD. MUD & CIRC.                                  |  | TRPS                   |  | RD SERVICE               |  | REPAIRRD                  |  | CUT OFF DRLO LINE         |  | DEV SURVEY           |  | WIRELINE LOGS      |  | RIG CSG. & CEMENT |  | WAIT ON CEMENT |  | NIPPLE UP B.O.P |  | TEST B.O.P                                         |  | DRILL STEB                                |  | PLUG BACK |  | SQUEEZE CEMENT |  | FISHING |  | DIRECTIONAL WORK |  | SAFETY MEETING |  | HANDLE 9" |  | DRILL OUT |  |      |  |       |  |       |  |       |  |
| MORN                                   |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  | 6 00            |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  | 2 00           |  |           |  |           |  | 8 00 |  |       |  |       |  |       |  |
| DAY                                    |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 0 50                                               |  | 5 25                   |  |                          |  | 4 00                      |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  | 0 50                                               |  |                                           |  |           |  |                |  |         |  |                  |  | 0 25           |  | 1 50      |  |           |  |      |  | 12 00 |  |       |  |       |  |
| EVE                                    |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  | 3 00                      |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  | 1 00           |  |           |  |           |  | 4 00 |  |       |  |       |  |       |  |
| TOTAL                                  |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 0 50                                               |  | 5 25                   |  |                          |  | 7 00                      |  |                           |  |                      |  |                    |  |                   |  |                |  | 6 00            |  | 0 50                                               |  |                                           |  |           |  |                |  |         |  |                  |  | 0 25           |  | 3 50      |  | 1 00      |  |      |  |       |  | 24 00 |  |       |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) |  | BIT RECORD                                 |  | MUD RECORD                                                                                                                 |  | METERS DRILLED                                                                                                             |  | TIME LOG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | TIME DETAIL                                        |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
| BIT/SHLS                               |  | O.D. mm                                    |  | m                                                                                                                          |  | BIT NO                                                                                                                     |  | WATER BASED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | OIL BASED                                          |  | FROM                   |  | TO                       |  | DRILL/REAM/CR             |  | ROTARY R.P.M.             |  | WT ON BIT            |  | FROM               |  | TO                |  | ELAPSED TIME   |  | CODE            |  | NIPPLE UP / BOOEY LINES /DRILL NIPPLE / FLARE TANK |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  | TIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  | 0                 |  | 600            |  | 6.00            |  | 14                                                 |  | RIG UP DRILLING FLOOR & PICK UP MUD MOTOR |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  | DENSITY kg/m3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  | 600               |  | 800            |  | 2.00            |  | 22                                                 |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  | FUNNEL VIS s/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  | 800               |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  | W.L. cm/ FILCK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  | PH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
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|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
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|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
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|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |
|                                        |  |                                            |  |                                                                                                                            |  |                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                    |  |                        |  |                          |  |                           |  |                           |  |                      |  |                    |  |                   |  |                |  |                 |  |                                                    |  |                                           |  |           |  |                |  |         |  |                  |  |                |  |           |  |           |  |      |  |       |  |       |  |       |  |



|                                                                                                                          |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                         |  |
|--------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                               |  | WELL NAME AND NO. <b>PARA etal NOGHA</b>                                                                                     |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM |  | RIG NO. <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>166</b> BOILER                                                   |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                               |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                       |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                        |  | CM<br>CM<br>CM<br>CM                               |  | WEATHER<br>TEMPERATURE <b>-33</b><br>CONDITIONS <b>CLOUDY</b><br>WIND DIRECTION <b>S E</b><br>ROAD CONDITION <b>ICE</b> |  |
| SURFACE LOCATION :                                                                                                       |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                         |  |
| OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                    |  |                                                                                                                         |  |

| LAST CASING TUBING OR LINER | O.D. mm | MIN. I.D. | kg/m | WAKE | GRADE | # OF JOINTS | TOTAL (m) | KB TO CSG. | SET AT (m) | SHALE SHAKER(S) |              |      | RENTALS / SERVICES |    |  | Morn | Day | Eve |
|-----------------------------|---------|-----------|------|------|-------|-------------|-----------|------------|------------|-----------------|--------------|------|--------------------|----|--|------|-----|-----|
|                             |         |           |      |      |       |             |           |            |            | NO<br>1         | TYPE<br>KING | TYPE |                    |    |  |      |     |     |
|                             |         |           |      |      |       |             |           |            |            | CHANGES SCREENS |              |      | YES                | NO |  |      |     |     |
|                             |         |           |      |      |       |             |           |            |            | TOP             | TOP          |      |                    |    |  |      |     |     |
|                             |         |           |      |      |       |             |           |            |            |                 |              |      |                    |    |  |      |     |     |
|                             |         |           |      |      |       |             |           |            |            |                 |              |      |                    |    |  |      |     |     |

| DC  | DC SIZE | KG / M | GRADE | MIN. ID | TOOL JT. O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE | STROKE LTH. |        |       |        |       |  |
|-----|---------|--------|-------|---------|---------------|-------------|-------------|-------------------|-----------|-------------|--------|-------|--------|-------|--|
| 102 |         | 20.84  | F     | 84      | 117           | 4"FH        | 260         | OILWELL           | PT-850    | 229         | MIDDLE | 80140 | MIDDLE | 140   |  |
| 4   |         | 62.45  | H.W.D | 70      | 158           | 4.5"XH      | 20          | FMSCO             | 375       | 356         | BOTTOM | 80    | BOTTOM | 80140 |  |
| 5   |         | 151.70 | D.C   | 73      | 171           | 4.5"XH      | 20          |                   |           |             |        |       |        |       |  |

| CODE NO. | 1                | 2            | 3       | 4      | 5                  | 6     | 7          | 8         | 9                  | 10         | 11            | 12                | 13             | 14               | 15         | 16          | 17        | 18             | 19      | 20               | 21             | 22        | 23        | 24 | 25 | 26 | TOTAL |       |
|----------|------------------|--------------|---------|--------|--------------------|-------|------------|-----------|--------------------|------------|---------------|-------------------|----------------|------------------|------------|-------------|-----------|----------------|---------|------------------|----------------|-----------|-----------|----|----|----|-------|-------|
| OPER.    | GROUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | COND. TEST & CORR. | TRIPS | RD SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CSOL & CEMENT | WAIT ON CEMENT | KNIPPLE UP B.O.P | TEST B.O.P | DRILL STEER | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING | HANDLE BT | DRILL OUT |    |    |    |       |       |
| MORN     |                  |              |         |        |                    |       |            |           |                    |            |               |                   |                | 6 00             |            |             |           |                |         |                  |                | 2 00      |           |    |    |    |       | 8 00  |
| DAY      |                  |              |         |        | 0 50               | 5.25  |            | 4 00      |                    |            |               |                   |                |                  | 0 50       |             |           |                |         |                  | 0 25           | 1 50      |           |    |    |    |       | 12 00 |
| EVE      |                  |              |         |        |                    |       |            | 3 00      |                    |            |               |                   |                |                  |            |             |           |                |         |                  |                |           | 1 00      |    |    |    |       | 4 00  |
| TOTAL    |                  |              |         |        | 0 50               | 5 25  |            | 7 00      |                    |            |               |                   |                | 6 00             | 0 50       |             |           |                |         |                  | 0 25           | 3 50      | 1 00      |    |    |    |       | 24 00 |

[illegible]

# **EVENING SHIFT**

|                                                                                                                           |  |                                                                                                                            |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO <b>WID1934</b>                                                                                                 |  | WELL NAME AND NO.: <b>PARA etal NOGHA</b>                                                                                  |  |
| OPERATOR: <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR: <b>WILSON DRILLING LTD.</b>                                                                                    |  |
| SURFACE LOCATION:                                                                                                         |  | UNIQUE I.D.: <b>300C496640125450</b>                                                                                       |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |
| <b>MILES PYRET</b>                                                                                                        |  | <b>CLINT MAYER</b>                                                                                                         |  |
|                                                                                                                           |  | <b>SAFETY TOPIC</b>                                                                                                        |  |
|                                                                                                                           |  | <b>GOOD FOOTING</b>                                                                                                        |  |

|                             |         |         |         |              |             |             |                   |            |             |                 |           |                    |       |     |     |     |
|-----------------------------|---------|---------|---------|--------------|-------------|-------------|-------------------|------------|-------------|-----------------|-----------|--------------------|-------|-----|-----|-----|
| LAST CASING TUBING OR LINER | O.D. mm | MIN. LD | kg/m    | MAKE         | GRADE       | # OF JOINTS | TOTAL (m)         | KB TO CSG. | SET AT (m)  | SHALE SHAKER(S) |           | RENTALS / SERVICES |       | Mom | Day | Eve |
|                             |         |         |         |              |             |             |                   |            |             | NO 1            | TYPE KING | TYPE               |       |     |     |     |
|                             |         |         |         |              |             |             |                   |            |             | CHANGE SCREENS  |           | BA                 | NO    |     |     |     |
| DC. DP SIZE                 | KG / M  | GRADE   | MIN. ID | TOOL JT. O.D | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH. | TDP             | 80140     | TOP                | 140   |     |     |     |
| 102                         | 20.84   | E       | 84      | 117          | 4"FH        | 260         | OILWELL           | PT-850     | 229         | MIDDLE          | 80140     | MIDDLE             | 140   |     |     |     |
| 4                           | 62.45   | H.W.D.  | 70      | 158          | 4.5"XH      | 20          | EMSCO             | 375        | 356         | BOTTOM          | 80        | BOTTOM             | 80140 |     |     |     |
| 5                           | 151.70  | D.C     | 73      | 171          | 4.5"XH      | 20          |                   |            |             |                 |           |                    |       |     |     |     |

|          |                  |              |         |        |                    |       |             |          |                    |            |               |                   |                |                |            |            |           |                |         |                  |                |           |           |    |    |       |       |
|----------|------------------|--------------|---------|--------|--------------------|-------|-------------|----------|--------------------|------------|---------------|-------------------|----------------|----------------|------------|------------|-----------|----------------|---------|------------------|----------------|-----------|-----------|----|----|-------|-------|
| CODE NO. | 1                | 2            | 3       | 4      | 5                  | 6     | 7           | 8        | 9                  | 10         | 11            | 12                | 13             | 14             | 15         | 16         | 17        | 18             | 19      | 20               | 21             | 22        | 23        | 24 | 25 | 26    | TOTAL |
| OPER.    | GROUP & YEARDOWN | DRILL ACTUAL | REAMING | CORING | CORING MUD & CIRC. | TRIPS | RIG SERVICE | REPAIRED | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | HPFLE UP B.O.P | TEST B.O.P | DRILL STEB | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING | HANDLE 9" | DRILL OUT |    |    |       |       |
| MORN     |                  |              |         |        |                    |       |             |          |                    |            |               |                   |                | 6 00           |            |            |           |                |         |                  |                | 2.00      |           |    |    | 8 00  |       |
| DAY      |                  |              |         |        | 0 50               | 5 25  |             | 4 00     |                    |            |               |                   |                |                | 0 50       |            |           |                |         |                  | 0 25           | 1 50      |           |    |    | 12 00 |       |
| EVE      |                  |              |         |        |                    |       |             | 3 00     |                    |            |               |                   |                |                |            |            |           |                |         |                  |                |           | 1 00      |    |    | 4 00  |       |
| TOTAL    |                  |              |         |        | 0 50               | 5 25  |             | 7 00     |                    |            |               |                   |                | 6 00           | 0 50       |            |           |                |         |                  | 0 25           | 3 50      | 1 00      |    |    | 24 00 |       |

|                    |                   |                                    |      |            |               |            |  |                    |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
|--------------------|-------------------|------------------------------------|------|------------|---------------|------------|--|--------------------|-----|-----------|--------------------------|--------------------|------------|-----------------|---------------|-------------|-----------|-----------------|--------------|------|-----------------------------------------------------|--|
| NO                 |                   | DRILLING ASSEMBLY (AT END OF TOUR) |      | BIT RECORD |               | MUD RECORD |  | METERS DRILLED     |     |           |                          | TIME LOG           |            |                 |               | TIME DETAIL |           |                 |              |      |                                                     |  |
| 1                  | BIT/ BALLS        | O.D. mm                            | 0 30 | m          | BIT NO.       | 1B         |  | WATER BASED        |     | OIL BASED |                          | FROM               | TO         | DRILL/ REAM/CR. | ROTARY R.P.M. | WT ON BIT   | FROM      | TO              | ELAPSED TIME | CODE |                                                     |  |
| 1                  | DOG SUB           | 311                                | 0 39 | m          | SIZE (mm)     | 311 0      |  | TIME               |     |           |                          | 60.00              |            |                 |               |             | 2000      | 2300            | 3.00         | 8    | WAIT ON ELECTRICIAN / AND REPLACE SHAKER MOTOR      |  |
| 1                  | MOTOR             | 203                                | 9 53 | m          |               |            |  | DENSITY kg/m3      |     |           |                          |                    |            |                 |               |             | 2300      | 2400            | 1.00         | 23   | BREAK CIRCULATION / DRILL OUT CEMENT AND FLOAT SHOE |  |
| 1                  | D C               | 219                                | 9 02 | m          | IADC          |            |  | FUNNEL VIS s/l     |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
| 1                  | SHOCK SUB         | 222                                | 3 98 | m          | CODE          |            |  | W.L. cm/ FLCK      |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
| 1                  | D C.              | 219                                | 8 81 | m          | MFG.          | VAREL      |  | PH                 |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
| 1                  | BELL SUB          | 219                                | 0.70 | m          | Type          | ETD 44     |  |                    |     |           |                          | Circ. Press (kPa)  | PUMP NO. 1 | PUMP NO. 2      |               |             |           |                 |              |      |                                                     |  |
| 1                  | X.Q.              | 152                                | 0.39 | m          |               |            |  |                    |     |           |                          | 6500               | 165.0      | 120             | 165 0         |             |           |                 |              |      |                                                     |  |
| 1                  | D.C.              | 165                                | 8.67 | m          | SERIAL NO.    | 152979     |  |                    |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
| 1                  | D.C.              | 165                                | 8 75 | m          |               |            |  |                    |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    |                   |                                    |      | m          | JETS (mm)     | 14,114,142 |  | MUD MATERIALS USED |     |           |                          | REDUCED PUMP SPEED |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    |                   |                                    |      | m          |               |            |  | TYPE               | QTY | UNITS     | SOLIDS CONTROL EQUIPMENT |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    |                   |                                    |      | m          | DEPTH IN (m)  | 60 00      |  |                    |     |           |                          | DESILTER           |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    |                   |                                    |      | m          | DEPTH OUT (m) |            |  |                    |     |           |                          | HOURS              |            |                 |               | INTAKE      | OVERFLOW  | UNDERFLOW       |              |      |                                                     |  |
|                    |                   |                                    |      | m          | TOTAL METER   |            |  |                    |     |           |                          | CENTRIFUGE         |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    |                   |                                    |      | m          | TOTAL HOURS   |            |  |                    |     |           |                          | HOURS              |            |                 |               | INTAKE      | OVERFLOW  | UNDERFLOW       |              |      |                                                     |  |
|                    | DRILLPIPE STANDS  |                                    |      | m          |               |            |  |                    |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    | DRILLPIPE SINGLES |                                    |      | m          |               |            |  |                    |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    | KELLY DOWN        | 1.20                               |      | m          |               |            |  |                    |     |           |                          | HOURS              |            |                 |               | INTAKE      | OVERFLOW  | UNDERFLOW       |              |      |                                                     |  |
|                    | TOTAL             | 60.24                              |      | m          |               |            |  |                    |     |           |                          |                    |            |                 |               |             |           |                 |              |      |                                                     |  |
|                    | OF D.C.           |                                    |      | m          | DRAG dan      |            |  |                    |     |           |                          | HRS. RUN           |            |                 |               | PH          | STACK deg | Notes:          |              |      |                                                     |  |
|                    | WT. OF STRING     |                                    |      | m          | TORQUE        |            |  |                    |     |           |                          | 4 00               |            |                 |               | 10 0        | 400       | FT CROWN SAVER  |              |      |                                                     |  |
|                    |                   |                                    |      | m          | FILL m        |            |  |                    |     |           |                          | MACP               |            |                 |               | 0           |           | RIG WALK AROUND |              |      |                                                     |  |
| DRILLERS SIGNATURE |                   | MYLES LOW                          |      |            |               |            |  |                    |     |           |                          | MAX HOOKLOAD       |            |                 |               |             |           |                 |              |      |                                                     |  |

|                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| MORNING SHIFT                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | YEAR 2003 MONTH 1 DAY 30                                                                                                  |  |  |  |  |  |  |  |  |  |
| LICENCE NO. WID1934                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | WELL NAME AND NO. PARA etal NOGHA                                                                                         |  |  |  |  |  |  |  |  |  |
| OPERATOR: PARAMOUNT RESOURCES LTD.                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | CONTRACTOR: WILSON DRILLING LTD.                                                                                          |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION:                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | UNIQUE ID 300C496640125450                                                                                                |  |  |  |  |  |  |  |  |  |
| OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |  |  |  |  |  |  |  |  |
| MILES PYRET                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                               |  |  |  |  |  |  |  |  |  |
| SAFETY TOPIC                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | CEMENTING                                                                                                                 |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | O.D mm MIN. I.D kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                               |  |  |  |  |  |  |  |  |  |
| SHALE SHAKER(S)                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                                                                        |  |  |  |  |  |  |  |  |  |
| NO. 1 TYPE KING TYPE                                                                                                                                                                                                                                                                           |  |  |  |  |  |  |  |  |  | Morn Day Eve                                                                                                              |  |  |  |  |  |  |  |  |  |
| CHANGE SCREENS                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | TOP 80 MIDDLE 80 BOTTOM 80                                                                                                |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. I.D. TOOL JT O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 102 20.84 E 84 117 4"FH 260 OILWELL PT-850 229                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 1 62.45 H.W.D. 70 158 4.5"XH 20 EMSCO 375 356                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| 5 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RIG SERVICE REPAIRING CUT OFF DRILL LINE DEV SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT RIPLE UP B.O.P. TEST B.O.P. DRILL STOP PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING DEFOAM M |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| MORN 1 00 5 00 0 50                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | 8 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| DAY 8.00 4 00                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | 12 00                                                                                                                     |  |  |  |  |  |  |  |  |  |
| EVE 4 00                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | 4 00                                                                                                                      |  |  |  |  |  |  |  |  |  |
| TOTAL 1 00 5 00 8 50 8 00 0 25 1 25                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | 24 00                                                                                                                     |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| BIT NO. 2A                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED                                                                                                     |  |  |  |  |  |  |  |  |  |
| SIZE (mm) 444 0                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | TIME                                                                                                                      |  |  |  |  |  |  |  |  |  |
| IADC CODE                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |  |  |  | DENSITY kg/m3                                                                                                             |  |  |  |  |  |  |  |  |  |
| BFG. VAREL                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | FUNNEL VIS s/l                                                                                                            |  |  |  |  |  |  |  |  |  |
| Type MS51ADM                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | W.L. cm/ FILCK                                                                                                            |  |  |  |  |  |  |  |  |  |
| SERIAL NO. B83280                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | PH                                                                                                                        |  |  |  |  |  |  |  |  |  |
| JETS (mm) 19 19 19 19                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED                                                                                                        |  |  |  |  |  |  |  |  |  |
| DEPTH IN (m) 0 00                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  | TYPE QTY UNITS                                                                                                            |  |  |  |  |  |  |  |  |  |
| DEPTH OUT (m) 60 00                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| TOTAL METER 60 00                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| TOTAL HOURS 52 75                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLPIPE STANDS                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                           |  |  |  |  |  |  |  |  |  |
| W.D.C. 1000                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                                                                              |  |  |  |  |  |  |  |  |  |
| WT. OF STRING 1000                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | 8 00 11 0 400                                                                                                             |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE MIKE STOLTE                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  | MACP MAX HOOKLOAD 5                                                                                                       |  |  |  |  |  |  |  |  |  |

|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------------------------------------------------------------------|--|------------------|--|-------------------|--|---------|--|--------|--|------------------------------------------------------|--|-----------------|--|----------------------|--|---------------------|--|--------------------|--|-------------|--|--|--|--|--|--|--|--|--|
| DAY SHIP I                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | LICENCE NO. <b>WID1934</b> WELL NAME AND NO. <b>PARA etal NOGHA</b>                                                           |  |  |  |  |  |  |  |  |  | (1) Daily Walk Around Inspection<br>(2) Detailed Inspection-Weekly (Using Check List)<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines<br>(1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kils Checked |  |  |  |  |  |  |  |  |  | MP CM<br>MP CM<br>MP CM<br>MP CM<br>MP CM                                |  | RIG NO. <b>3</b> |  | FUEL @ 08:00 HRS. |  | RIG 200 |  | BOILER |  | WEATHER                                              |  | TEMPERATURE -37 |  | CONDITIONS OVER CAST |  | WIND DIRECTION CALM |  | ROAD CONDITION ICE |  |             |  |  |  |  |  |  |  |  |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                      |  |  |  |  |  |  |  |  |  | UNIQUE LD : <b>300C496640125450</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| SURFACE LOCATION :                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY ) |  |  |  |  |  |  |  |  |  | SAFETY TOPIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | NIPPLE UP                                                                |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| MILES PYRET                                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | CLINT MAYER                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| LAST CASING TUBING OR LINER                                                                                                                                                                                                                                                                       |  |  |  |  |  |  |  |  |  | O.D mm MIN. I.D kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)                                                   |  |  |  |  |  |  |  |  |  | SHALE SHAKER(S)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | RENTALS / SERVICES                                                       |  |                  |  |                   |  |         |  |        |  | Mon                                                  |  | Day             |  | Eve                  |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  | NO 1 TYPE KING TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  | CHANGESCREENS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  | TOP 80 TOP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  | MIDDLE 80 MIDDLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  | BOTTOM 80 BOTTOM 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| DC DP SIZE KG / M GRADE MIN. I.D. TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| 102 20.84 E 84 117 4"FH 260 OILWELL PT-850 229                                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| 1 62.45 H.W.D. 70 158 4.5"XH 20 EMSCO 375 356                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| 5 151.70 D.C 73 171 4.5"XH 20                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| CODE NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 TOTAL                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| OPER. GROUP & TEARDOWN DRILL ACTUAL READING CORING CORR. MUD & CIRC. TRIPS RIG SERVICE REPAIRS CUT OFF DRILL LINE DEV SURVEY WIRELINE LOGS RUSH CCG. & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEPS FLUID BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING DEFOAM IN |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| MORN                                                                                                                                                                                                                                                                                              |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| DAY                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| EVE                                                                                                                                                                                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (ATTEND OF TOUR)                                                                                                                                                                                                                                                            |  |  |  |  |  |  |  |  |  | BIT RECORD                                                                                                                    |  |  |  |  |  |  |  |  |  | MUD RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  | METERS DRILLED                                                           |  |                  |  |                   |  |         |  |        |  | TIME LOG                                             |  |                 |  |                      |  |                     |  |                    |  | TIME DETAIL |  |  |  |  |  |  |  |  |  |
| BIT/ BELLS O.D. RST. M BIT NO. M SIZE (mm) M IADC CODE M MPQ. M Type M SERIAL NO. M JETS (mm) M DEPTH IN (m) M DEPTH OUT (m) M TOTAL METER M TOTAL HOURS                                                                                                                                          |  |  |  |  |  |  |  |  |  | WATER BASED OIL BASED                                                                                                         |  |  |  |  |  |  |  |  |  | FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT ON BIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | FROM TO ELAPSED TIME CODE                                                |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | TIME                                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | 800 1600 8.00 13 WOC                                                     |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | DENSITY kg/m3                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | 1600 2000 4.00 14 PULL & LAY DOWN MOUSE HOLE,CUT & LAY DOWN CSG.,WELD ON |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | FUNNEL VIS s/l                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | 2000 ADAPTER FLANGE                                                      |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | W.L. cm/ FILCK                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | PH                                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | Circ. Press (kPa) PUMP NO. 1 PUMP NO. 2                                  |  |                  |  |                   |  |         |  |        |  | RIG OUT ALL CSG. HANDLING EQUIP.                     |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | LINER(mm) SPM LINER(mm) SPM                                              |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | 165 0 165 0                                                              |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | REDUCED PUMP SPEED                                                       |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | @ 0 @                                                                    |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | MUD MATERIALS USED                                                                                                            |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | SOLIDS CONTROL EQUIPMENT                                                 |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | TYPE QTY UNITS                                                                                                                |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | DESILTER                                                                 |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | CENTRIFUGE                                                               |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | HOURS INTAKE OVERFLOW UNDERFLOW                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| DRILLPIPE STANDS                                                                                                                                                                                                                                                                                  |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                                                                                                                                                                                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| TOTAL                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                               |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  |                                                                          |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| W. OF D.C.                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  | 1000 drag dan                                                                                                                 |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | HRS. RUN BOILER PH STACK deg                                             |  |                  |  |                   |  |         |  |        |  | Notes: DAILY WALK AROUND M.L. DAILY WALK AROUND M.R. |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| WT. OF STRING                                                                                                                                                                                                                                                                                     |  |  |  |  |  |  |  |  |  | 1000 drag dan TORQUE                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | 8 00 11 0 400                                                            |  |                  |  |                   |  |         |  |        |  | CHECK BRAKES & LINKAGE CHECK & RESET CROWN SAVER     |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  | 1000 drag dan FILL m                                                                                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | MACP                                                                     |  |                  |  |                   |  |         |  |        |  | BLOW DOWN BOILERS 4X                                 |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  | MYLES LOW                                                                                                                     |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |  |  |  |  | MAX HOOKLOAD                                                             |  |                  |  |                   |  |         |  |        |  |                                                      |  |                 |  |                      |  |                     |  |                    |  |             |  |  |  |  |  |  |  |  |  |





# **EVENING SHIFT**

LICENCE NO. : **WID1934**

WELL NAME AND NO. **PARA etal NOGHA**

OPERATOR : **PARAMOUNT RESOURCES LTD.**

SURFACE LOCATION :

CONTRACTOR : **WILSON DRILLING LTD.**

UNIQUE I.D. **300C496640125450**

OPERATORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List )

(3) H2S Signs Posted( If Required)

(4) Well License & Slick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kills Checked

RIG NO. **3**

FUEL @ 08:00 HRS.

RIG **224**

BOILER

TEMPERATURE **-28**

CONDITIONS **OVER CAST**

WIND DIRECTIONS **S E**

ROAD CONDITION **ICE**

**AL IRONSIDE**

**CLINT MAYER**

**SAFETY TOPIC**

**RUNNING CASING**

| LAST CASING TUBING OR LINER | O.D. mm          |              | MIN. I.D |              | kg/m              |             | MAKE              |           | GRADE              |            | # OF JOINTS   |                  | TOTAL (m)      |               | KB TO CSG. |            | SET AT (m) |                | SHALE SHAKER(S) |                  |                |            | RENTALS / SERVICES |    |    |       |       |  |  |  |  |  |  |  | Mon | Day | Eve |  |  |
|-----------------------------|------------------|--------------|----------|--------------|-------------------|-------------|-------------------|-----------|--------------------|------------|---------------|------------------|----------------|---------------|------------|------------|------------|----------------|-----------------|------------------|----------------|------------|--------------------|----|----|-------|-------|--|--|--|--|--|--|--|-----|-----|-----|--|--|
|                             |                  |              |          |              |                   |             |                   |           |                    |            |               |                  |                |               |            |            |            |                | NO. 1           |                  | TYPE KING      |            | TYPE               |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
|                             |                  |              |          |              |                   |             |                   |           |                    |            |               |                  |                |               |            |            |            |                | CHANGE SCREENS  |                  | YES            |            | NO                 |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
|                             |                  |              |          |              |                   |             |                   |           |                    |            |               |                  |                |               |            |            |            |                |                 |                  | TOP            |            | TOP                |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
|                             |                  |              |          |              |                   |             |                   |           |                    |            |               |                  |                |               |            |            |            |                |                 |                  | MIDDLE         |            | MIDDLE             |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
| DP SIZE                     | KG / M           | GRADE        | MIN. I.D | TOOL JT. O.D | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER |           |                    |            | PUMP TYPE     |                  | STROKE LTH.    |               |            |            |            |                | BOTTOM          |                  | BOTTOM         |            |                    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
|                             | 20.84            | E            | 84       | 117          | 4"FH              | 260         | OILWELL           |           |                    |            | PT-850        |                  | 229            |               |            |            |            |                | 80              |                  | 80             |            |                    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
| 114                         | 62.45            | H.W.D.       | 70       | 158          | 4.5"XH            | 20          | EMSCO             |           |                    |            | 375           |                  | 356            |               |            |            |            |                | 80              |                  | 80             |            |                    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
| 165                         | 151.70           | D.C          | 73       | 171          | 4.5"XH            | 20          |                   |           |                    |            |               |                  |                |               |            |            |            |                | 80              |                  | 80             |            |                    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
| CODE NO.                    | 1                | 2            | 3        | 4            | 5                 | 6           | 7                 | 8         | 9                  | 10         | 11            | 12               | 13             | 14            | 15         | 16         | 17         | 18             | 19              | 20               | 21             | 22         | 23                 | 24 | 25 | 26    | TOTAL |  |  |  |  |  |  |  |     |     |     |  |  |
| OPER.                       | GROUP A TEARDOWN | DRILL ACTUAL | READING  | CORING       | COND. MUD & CIRC. | TRIPS       | RIG SERVICE       | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOSS | RUN CBL & CEMENT | WAIT ON CEMENT | NPPL UP B.O.P | TEST B.O.P | DRILL STEB | PLUG BACK  | SQUEEZE CEMENT | FISHING         | DIRECTIONAL WORK | SAFETY MEETING | RIG UP TON |                    |    |    |       |       |  |  |  |  |  |  |  |     |     |     |  |  |
| MORN                        |                  |              | 7 75     |              |                   |             | 0 25              |           |                    |            |               |                  |                |               |            |            |            |                |                 |                  |                |            |                    |    |    | 8 00  |       |  |  |  |  |  |  |  |     |     |     |  |  |
| DAY                         |                  |              | 6 00     |              | 1 75              | 2 50        | 0 25              | 0 50      |                    |            |               |                  |                |               |            |            |            |                |                 |                  |                | 1 00       |                    |    |    | 12 00 |       |  |  |  |  |  |  |  |     |     |     |  |  |
| EVE                         |                  |              |          |              |                   |             |                   |           |                    |            |               | 3 75             |                |               |            |            |            |                |                 |                  | 0.25           |            |                    |    |    | 4 00  |       |  |  |  |  |  |  |  |     |     |     |  |  |
| TOTAL                       |                  |              | 13 75    |              | 1 75              | 2 50        | 0 50              | 0 50      |                    |            |               | 3 75             |                |               |            |            |            |                |                 |                  | 0 25           | 1 00       |                    |    |    | 24 00 |       |  |  |  |  |  |  |  |     |     |     |  |  |

NO. **DRILLING ASSEMBLY (AT END OF TOUR)**

**BIT RECORD**

**MUD RECORD**

**METERS DRILLED**

**TIME LOG**

BIT/REELS

O.D. mm

m

BIT NO. **2A**

WATER BASED ☐

OIL BASED ☐

FROM

TO

DRILL/REAM/CR.

ROTARY R.P.M.

WT ON BIT

FROM

TO

ELAPSED TIME

CODE

SIZE (mm) **444 0**

DENSITY kg/m3

FUNNEL VIS s/1

W.L cm/ FLCK

PH

Circ. Press (kPa)

PUMP NO. 1 LINER(mm) **152.0**

SPM

PUMP NO. 2 LINER(mm) **152.0**

SPM

REDUCED PUMP SPEED @ **30**

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS

INTAKE

OVERFLOW

UNDERFLOW

CENTRIFUGE

HOURS

INTAKE

OVERFLOW

UNDERFLOW

DEVIATION SURVEY

DEPTH (m)

DEVIATION

DIRECTION

HRS. RUN **4 00**

PH **11 0**

STACK deg **400**

MACP **0**

MAX HOOKLOAD

TIME DETAIL

2000

2015

0.25

21

SAFETY MTG. W TONG HAND

2015

2400

3.75

12

RIG TOO & RUN CASING

DRILLPIPE STANDS

DRILLPIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

BIT NO.

SIZE (mm)

IADC CODE

MFG.

Type

SERIAL NO.

JETS (mm)

DEPTH IN (m)

DEPTH OUT (m)

TOTAL METER

TOTAL HOURS

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE/IN

OTHER

REASON

R.O.P

DRAG dan

TORQUE

FILL m

DRILLERS SIGNATURE **MIKE STOLTE**

BOILER

MACP

MAX HOOKLOAD

Notes: BLEW BOILERS 2X EACH

|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                          |  |                                                                                                                |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                 |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspected SOP's - Flarelines & Degasser Lines |  | RIG NO- <b>3</b><br><b>FUEL @ 08:00 HRS.</b><br>RIG <b>224</b> BOILER                                          |  |
| OPERATOR. <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR <b>WILSON DRILLING LTD.</b>                                                                                     |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/tw/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                           |  | CM<br>CM<br>CM<br>CM<br>WEATHER                                                                                |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE LD <b>300C496640125450</b>                                                                                          |  |                                                                                                                                                                                                                                                          |  | TEMPERATURE <b>-28</b><br>CONDITIONS <b>OVER CAST</b><br>WIND DIRECTIONS <b>E</b><br>ROAD CONDITION <b>ICE</b> |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                          |  |                                                                                                                |  |

# CLINT MAYER

## SAFETY TOPIC

1 tubulars

| LAST CASING TUBING OR LINER | O.D mm             |              | MIN. I.D |             | kg/m              |             | MAKE              |           | GRADE              |            | # OF JOINTS   |                   | TOTAL (m)      |                 | KB TO CSG. |            | SET AT (m) |                | SHALE SHAKER(S)     |                  |                |            | RENTALS / SERVICES |    |    |       |       |  |  |  |  |  | Mon | Day | Eve |  |  |
|-----------------------------|--------------------|--------------|----------|-------------|-------------------|-------------|-------------------|-----------|--------------------|------------|---------------|-------------------|----------------|-----------------|------------|------------|------------|----------------|---------------------|------------------|----------------|------------|--------------------|----|----|-------|-------|--|--|--|--|--|-----|-----|-----|--|--|
|                             |                    |              |          |             |                   |             |                   |           |                    |            |               |                   |                |                 |            |            |            |                | NO 1 TYPE KING TYPE |                  |                |            |                    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                    |              |          |             |                   |             |                   |           |                    |            |               |                   |                |                 |            |            |            |                | CHANGES SCREENS     |                  | YES            |            | NO                 |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             |                    |              |          |             |                   |             |                   |           |                    |            |               |                   |                |                 |            |            |            |                | TOP 80              |                  | TOP            |            |                    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| DP SIZE                     | KG / M             | GRADE        | MIN. I.D | TOOL JT O.D | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER |           | PUMP TYPE          |            | STROKE LTH.   |                   | MIDDLE 80      |                 | MIDDLE     |            |            |                |                     |                  |                |            |                    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
|                             | 20.84              | E            | 84       | 117         | 4"FH              | 260         | OILWELL           |           | PT-850             |            | 229           |                   |                |                 |            |            |            |                |                     |                  |                |            |                    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| 114                         | 62.45              | H.W.D.       | 70       | 158         | 4.5"XH            | 20          | EMSCO             |           | 375                |            | 356           |                   |                |                 |            |            |            |                |                     |                  |                |            |                    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| 165                         | 151.70             | D.C          | 73       | 171         | 4.5"XH            | 20          |                   |           |                    |            |               |                   | BOTTOM 80      |                 | BOTTOM 80  |            |            |                |                     |                  |                |            |                    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| CODE NO.                    | 1                  | 2            | 3        | 4           | 5                 | 6           | 7                 | 8         | 9                  | 10         | 11            | 12                | 13             | 14              | 15         | 16         | 17         | 18             | 19                  | 20               | 21             | 22         | 23                 | 24 | 25 | 26    | TOTAL |  |  |  |  |  |     |     |     |  |  |
| OPER.                       | DRILLUP & TEARDOWN | DRILL ACTUAL | REARROD  | CORROD      | COND. BUD & CIRC. | TRIPS       | RID SERVICE       | REPAIRROD | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | RIPPLE UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT | FEEDROD             | DIRECTIONAL WORK | SAFETY MEETING | RIG UP TON |                    |    |    |       |       |  |  |  |  |  |     |     |     |  |  |
| MORN                        |                    |              | 7 75     |             |                   |             | 0 25              |           |                    |            |               |                   |                |                 |            |            |            |                |                     |                  |                |            |                    |    |    | 8 00  |       |  |  |  |  |  |     |     |     |  |  |
| DAY                         |                    |              | 6 00     |             | 1 75              | 2 50        | 0 25              | 0 50      |                    |            |               |                   |                |                 |            |            |            |                |                     |                  |                | 1 00       |                    |    |    | 12 00 |       |  |  |  |  |  |     |     |     |  |  |
| EVE                         |                    |              |          |             |                   |             |                   |           |                    |            |               | 3 75              |                |                 |            |            |            |                |                     |                  |                | 0 25       |                    |    |    | 4 00  |       |  |  |  |  |  |     |     |     |  |  |
| TOTAL                       |                    |              | 13 75    |             | 1.75              | 2 50        | 0 50              | 0 50      |                    |            |               | 3 75              |                |                 |            |            |            |                |                     |                  | 0 25           | 1 00       |                    |    |    | 24 00 |       |  |  |  |  |  |     |     |     |  |  |

[illegible]

|                                                                                                                           |                  |                                    |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|---------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------|-------------------|---------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|--------------------|------------|-----------------|-------------------|------------------|-----------------|------------|-------------|-----------|----------------|--------------------|----------------------------------------------------------|----------------|-------------|----|----|----|-------|-----|-----|-----|
| LICENCE NO.                                                                                                               | WID1934          |                                    | WELL NAME AND NO. |               | PARA etal NOGHA   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| OPERATOR :<br>PARAMOUNT RESOURCES LTD.                                                                                    |                  |                                    |                   |               |                   | CONTRACTOR:<br>WILSON DRILLING LTD.                                                                                         |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| SURFACE LOCATION :                                                                                                        |                  |                                    |                   |               |                   | UNIQUE LD :<br>300C496640125450                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                  |                                    |                   |               |                   | CONTRACTORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| AL IRONSIDE                                                                                                               |                  |                                    |                   |               |                   | CLINT MAYER                                                                                                                 |                         |            |                    |            |                 | SAFETY TOPIC      |                  |                 |            |             |           | CONNECTIONS    |                    |                                                          |                |             |    |    |    |       |     |     |     |
| LAST CASING TUBING OR LINER                                                                                               |                  | O.D. mm                            | MIN. LD           | kg/m          | MAKE              | GRADE                                                                                                                       | # OF JOINTS             | TOTAL (m)  | KB TO CSG.         | SET AT (m) | SHALE SHAKER(S) |                   |                  |                 |            |             |           |                | RENTALS / SERVICES |                                                          |                |             |    |    |    |       | Mon | Day | Eve |
|                                                                                                                           |                  |                                    |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 | NO 1              | TYPE KING        |                 | TYPE       |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 | CHANGE SCREENS    |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 | TOP 80            | TOP              |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| DP SIZE                                                                                                                   | KG / M           | GRADE                              | MIN. ID           | TOOL JT. O.D. | TYPE THREAD       | # OF JOINTS                                                                                                                 | PUMP MANUFACTURER       | PUMP TYPE  | STROKE LTH.        |            | MIDDLE 80       | MIDDLE            |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| 114                                                                                                                       | 62.45            | H.W.D.                             | 70                | 158           | 4.5"XH            | 20                                                                                                                          | EMSCO                   | 375        | 356                |            | BOTTOM 80       | BOTTOM 80         |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| 165                                                                                                                       | 151.70           | D.C                                | 73                | 171           | 4.5"XH            | 20                                                                                                                          |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| CODE NO.:                                                                                                                 | 1                | 2                                  | 3                 | 4             | 5                 | 6                                                                                                                           | 7                       | 8          | 9                  | 10         | 11              | 12                | 13               | 14              | 15         | 16          | 17        | 18             | 19                 | 20                                                       | 21             | 22          | 23 | 24 | 25 | TOTAL |     |     |     |
| OPRL                                                                                                                      | RIGUP & TEARDOWN | DRILL ACTUAL                       | REAMING           | CORING        | COND. MUD & CIRC. | TRIPS                                                                                                                       | RIG SERVICE             | REPAIR RIG | CUT OFF DRLO. LINE | DEV SURVEY | WIRELIN. LOGS   | RDM CSO. & CEMENT | WAIT ON CEMENT   | RIFFLE UP B.O.P | TEST B.O.P | DRILL STEPS | PLUG BACK | SQUEEZE CEMENT | FISHING            | DIRECTIONAL WORK                                         | SAFETY MEETING | RIG UP TON  |    |    |    |       |     |     |     |
| MDRN                                                                                                                      |                  |                                    | 7 75              |               |                   |                                                                                                                             | 0 25                    |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    | 8 00  |     |     |     |
| DAY                                                                                                                       |                  |                                    | 6 00              |               | 1 75              | 2 50                                                                                                                        | 0 25                    | 0 50       |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                | 1 00        |    |    |    | 12 00 |     |     |     |
| EVE                                                                                                                       |                  |                                    |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 | 3 75              |                  |                 |            |             |           |                |                    |                                                          | 0 25           |             |    |    |    | 4 00  |     |     |     |
| TOTAL                                                                                                                     |                  |                                    | 13 75             |               | 1 75              | 2 50                                                                                                                        | 0 50                    | 0 50       |                    |            |                 | 3 75              |                  |                 |            |             |           |                |                    |                                                          | 0.25           | 1 00        |    |    |    | 24 00 |     |     |     |
| NO.                                                                                                                       |                  | DRILLING ASSEMBLY (AT END OF TOUR) |                   |               |                   | BIT RECORD                                                                                                                  |                         |            |                    | MUD RECORD |                 |                   |                  | METERS DRILLED  |            |             |           | TIME LOG       |                    |                                                          |                | TIME DETAIL |    |    |    |       |     |     |     |
|                                                                                                                           |                  | BITZ UNITS                         | O.D.mmm           | m             | BIT NO            | 2A                                                                                                                          | WATER BASED X OIL BASED |            |                    |            | FROM            | TO                | DRILL/ REAM/C.R. | ROTARY R.P.M    | WT ON BIT  | FROM        | TO        | ELAPSED TIME   | CODE               |                                                          |                |             |    |    |    |       |     |     |     |
| 1                                                                                                                         |                  | 444                                | 0.35              | m             | SIZE (mm)         | 444 0                                                                                                                       | TIME                    | 200        | 400                | 600        | 37.00           | 45.00             | R                | 17              | 4          | 0           | 545       | 5.75           | 3                  | REAMING FRM 37 M TO 42 M                                 |                |             |    |    |    |       |     |     |     |
| 1                                                                                                                         |                  | BIT SUB                            | 229               | 0.90          | m                 |                                                                                                                             | DENSITY kg/m3           | 1070       | 1070               | 1070       |                 |                   |                  | 45              | 9          | 545         | 600       | 0.25           | 7                  | RIG SERVICE (CHECK OIL AND SERVICE SWIVEL AND BUSHINGS ) |                |             |    |    |    |       |     |     |     |
| 2                                                                                                                         |                  | X.O                                | 231               | 0.78          | m                 | IADC CODE                                                                                                                   | FUNNEL VIS s/l          | 36         | 36                 | 35         |                 |                   |                  |                 |            | 600         | 800       | 2.00           | 3                  | REAMING FRM 42 M TO 45 M                                 |                |             |    |    |    |       |     |     |     |
| 1                                                                                                                         |                  | D.C                                | 229               | 17.83         | m                 | MFQ                                                                                                                         | W L cm/ FILCK           |            |                    |            |                 |                   |                  |                 |            | 800         |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  | X.O                                | 0.70              | m             | Type              | VAREL                                                                                                                       | PH                      | 9 5        | 9 5                | 9 5        |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  | D.C.                               | 171               | 17.17         | m                 | SERIAL NO.                                                                                                                  |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               | m                 | B83280                                                                                                                      |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               | m                 | JETS (mm)                                                                                                                   | 19                      | 19         | 19                 | 19         |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               | m                 | DEPTH IN (m)                                                                                                                | 0 00                    |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               | m                 | DEPTH OUT (m)                                                                                                               |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               | m                 | TOTAL METER                                                                                                                 | 45 00                   |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
|                                                                                                                           |                  |                                    |                   |               | m                 | TOTAL HOURS                                                                                                                 | 52 75                   |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| DRILLPIPE STANDS                                                                                                          |                  |                                    |                   | m             | INNER             | OUTER                                                                                                                       | BULL                    | LOCATION   | BEARINGS           | GAGE/mm    | OTHER           | REASON            | R.O.P            |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| DRILLPIPE SINGLES                                                                                                         |                  |                                    |                   | m             |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| KELLY DOWN                                                                                                                |                  | 7.27                               |                   | m             |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| TOTAL WT OF D.C.                                                                                                          |                  | 45.00                              |                   | m             |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| WT. OF STRING                                                                                                             |                  | 15                                 |                   | m             |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| DRILLERS SIGNATURE                                                                                                        |                  | MIKE STOLTE                        |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| TORQUE                                                                                                                    |                  | 1000 dan                           |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| FILL m                                                                                                                    |                  | 1000 dan                           |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| HRS. RUN                                                                                                                  |                  | 8 00                               |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |
| BOILER PH                                                                                                                 |                  | 11 0                               |                   |               |                   |                                                                                                                             |                         |            |                    |            |                 |                   |                  |                 |            |             |           |                |                    |                                                          |                |             |    |    |    |       |     |     |     |



# **EVENING SHIFT**

LICENCE NO. **WID1934** WELL NAME AND NO. : **PARA etal NOGHA**

OPERATOR : **PARAMOUNT RESOURCES LTD.** CONTRACTOR : **WILSON DRILLING LTD.**

SURFACE LOCATION : **UNIQUE I.D. : 300C496640125450**

OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) CONTRACTORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List)
- (3) H2S Signs Posted( If Required)
- (4) Well License & Stick Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's - Flarelines & Degasser Lines
- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

|    |                   |        |
|----|-------------------|--------|
| CM | YEAR 2000         | ---    |
| CM | RIG NO.           | 3      |
| CM | FUEL @ 08:00 HRS. |        |
| CM | RIG 176           | BOILER |
| CM | TEMPERATURE       | -32    |
| CM | CONDITIONS        | CLEAR  |
| CM | WIND DIRECTION    | S E    |
| CM | ROAD CONDITION    | ICE    |

SAFETY TOPIC

| LAST CASING TUBING OR LINER | O.D mm | MIN. I.D | kg/m | MAKE | GRADE | # OF JOINTS | TOTAL (m) | KB TO CSG. | SET AT (m) | SHALE SHAKER(S)     | RENTALS / SERVICES | Morn | Day | Eve |
|-----------------------------|--------|----------|------|------|-------|-------------|-----------|------------|------------|---------------------|--------------------|------|-----|-----|
|                             |        |          |      |      |       |             |           |            |            | NO 1 TYPE KING TYPE |                    |      |     |     |
|                             |        |          |      |      |       |             |           |            |            | CHANGE SCREENS      |                    |      |     |     |
|                             |        |          |      |      |       |             |           |            |            | TOP 80 TOP          |                    |      |     |     |
|                             |        |          |      |      |       |             |           |            |            | MIDDLE 80 MIDDLE    |                    |      |     |     |
|                             |        |          |      |      |       |             |           |            |            | BOTTOM 80 BOTTOM 80 |                    |      |     |     |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7           | 8         | 9                  | 10         | 11            | 12                | 13             | 14              | 15         | 16         | 17        | 18             | 19      | 20               | 21             | 22 | 23 | 24 | 25 | TOTAL |
|----------|------------------|--------------|---------|--------|-------------------|-------|-------------|-----------|--------------------|------------|---------------|-------------------|----------------|-----------------|------------|------------|-----------|----------------|---------|------------------|----------------|----|----|----|----|-------|
| OPER.    | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | COND. HUD & CIRC. | TRIPS | RIG SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | HIPPLE UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |    |    |    |    |       |
| MORN     |                  |              | 7.75    |        |                   |       | 0.25        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                |    |    |    |    | 8.00  |
| DAY      | 1.50             | 10.25        |         |        |                   |       | 0.25        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                |    |    |    |    | 12.00 |
| EVE      |                  |              | 3.75    |        |                   |       | 0.25        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                |    |    |    |    | 4.00  |
| TOTAL    | 1.50             | 10.25        | 11.50   |        |                   |       | 0.75        |           |                    |            |               |                   |                |                 |            |            |           |                |         |                  |                |    |    |    |    | 24.00 |

| NO. | DRILLING ASSEMBLY (AT END OF TOUR) | BIT RECORD        | MUD RECORD            | METERS DRILLED                | TIME LOG                                       | TIME DETAIL                                                                            |
|-----|------------------------------------|-------------------|-----------------------|-------------------------------|------------------------------------------------|----------------------------------------------------------------------------------------|
|     |                                    | BIT/SHLLS O.D.mm  | BIT NO 2A             | WATER BASED OIL BASED         | FROM TO DRILL/REAM/CR. ROTARY R.P.M. WT ON BIT | FROM TO ELAPSED TIME CODE                                                              |
| 1   |                                    | 444 0.35 m        | SIZE (mm) 444 0       | TIME 1000 2400                | 31.00 37.00 R 17 3                             | 2000 2045 0.75 3 REAMING 31 M TO 33 M                                                  |
| 1   | BIT SUB                            | 229 0.90 m        |                       | DENSITY kg/m3 1070 1070       |                                                | 2045 2100 0.25 7 RIG SERVICE/ GREASE DRIVELINES AND TURN KELLY HOSE                    |
| 1   | X.O.                               | 231 0.78 m        | IADC CODE             | FUNNEL VIS a/l 35 35          |                                                | 2100 2400 3.00 3 REAMING 33 M TO 37 M (LOTS OF TORQUE AND BOUNCE) DRILLS BEST @ 25 RPM |
| 2   | D.C.                               | 229 17.83 m       | MFG. VAREL            | W.L cm/ FILCK                 |                                                |                                                                                        |
| 1   | X.O.                               | 0.70 m            | Type MS51ADM          | PH 9.5 9.5                    | Circ. Press (kPa) 1000 152.0 100 152.0         |                                                                                        |
|     | D.C.                               | 171 8.67 m        | SERIAL NO. B83280     |                               |                                                |                                                                                        |
|     |                                    |                   | JETS (mm) 19 19 19 19 | MUD MATERIALS USED            | REDUCED PUMP SPEED @ 0                         |                                                                                        |
|     |                                    |                   | DEPTH IN (m) 0.00     | TYPE QTY UNITS                | SOLIDS CONTROL EQUIPMENT                       |                                                                                        |
|     |                                    |                   | DEPTH OUT (m)         |                               | DESILTER                                       |                                                                                        |
|     |                                    |                   | TOTAL METER 37.00     |                               | HOURS INTAKE OVERFLOW UNDERFLOW                |                                                                                        |
|     |                                    |                   | TOTAL HOURS 45.00     |                               | CENTRIFUGE                                     |                                                                                        |
|     | DRILLPIPE STANDS                   |                   |                       |                               | HOURS INTAKE OVERFLOW UNDERFLOW                |                                                                                        |
|     | DRILLPIPE SINGLES                  |                   |                       |                               |                                                |                                                                                        |
|     | KELLY DOWN 7.77                    |                   |                       | DEVIATION SURVEY              | HOURS INTAKE OVERFLOW UNDERFLOW                |                                                                                        |
|     | TOTAL 37.00                        |                   |                       | DEPTH (m) DEVIATION DIRECTION |                                                |                                                                                        |
|     | WT. OF D.C.                        | 1000 dan DRAG dan |                       |                               | HRS. RUN BOILER PH STACK deg                   | Notes: BLEW BOILERS 2X EACH                                                            |
|     | WT OF STRING 14                    | 1000 dan TORQUE   |                       |                               |                                                | TRANSFERED FUEL TO RENTAL LP'S DD SHACK ENGINEER SHACK                                 |
|     |                                    | 1000 dan FILL m   |                       |                               | MACP                                           |                                                                                        |
|     | DRILLERS SIGNATURE                 |                   |                       | MAX HOOKLOAD                  |                                                |                                                                                        |

|                                                                                                                          |                                                                                                                           |                                                                                                                                                                                                                                                       |                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| LICENCE NO. : <b>WID1934</b>                                                                                             | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flame Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines | <div style="float:right;">CM<br/>CM<br/>CM</div> <div style="clear:both;"></div> <div style="text-align:center;"><b>FUEL @ 08:00 HRS.</b></div> |
| OPERATOR<br><b>PARAMOUNT RESOURCES LTD.</b>                                                                              | CONTRACTOR:<br><b>WILSON DRILLING LTD.</b>                                                                                |                                                                                                                                                                                                                                                       | RIG <b>176</b> BOILER                                                                                                                           |
| SURFACE LOCATION :                                                                                                       | UNIQUE I.D. :<br><b>300C496640125450</b>                                                                                  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       | <div style="float:right;">CM<br/>CM<br/>CM</div> <div style="clear:both;"></div> <div style="text-align:center;"><b>WEATHER</b></div>           |
| OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) | CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |                                                                                                                                                                                                                                                       | TEMPERATURE <b>-32</b><br>CONDITIONS <b>CLEAR</b><br>WIND DIRECTION <b>S E</b><br>ROAD CONDITION <b>ICE</b>                                     |

|      |        |                   |                    |        |      |      |
|------|--------|-------------------|--------------------|--------|------|------|
| NAME | NUMBER | TEAM              | CLASS              | SECTOR | DATE | TIME |
|      | CM     | RIG NO. 3         |                    |        |      |      |
|      | CM     | FUEL @ 08:00 HRS. |                    |        |      |      |
|      | CM     |                   |                    |        |      |      |
|      | CM     |                   |                    |        |      |      |
|      |        | RIG               | 176                | BOILER |      |      |
|      | CM     | WEATHER           | TEMPERATURE -32    |        |      |      |
|      | CM     |                   | CONDITIONS CLEAR   |        |      |      |
|      | CM     |                   | WIND DIRECTIONS E  |        |      |      |
|      |        |                   | ROAD CONDITION ICE |        |      |      |

|                             |        |  |         |  |      |  |      |  |        | SAFETY TOPIC |             |  |           |  |            |  |            |  |                 | LD /DC,S  |        |                    |        |  |     |     |     |  |  |
|-----------------------------|--------|--|---------|--|------|--|------|--|--------|--------------|-------------|--|-----------|--|------------|--|------------|--|-----------------|-----------|--------|--------------------|--------|--|-----|-----|-----|--|--|
| LAST CASING TUBING OR LINER | O.D mm |  | MIN I D |  | kg/m |  | MAKE |  | GRADE  |              | # OF JOINTS |  | TOTAL (m) |  | KB TO CSG. |  | SET AT (m) |  | SHALE SHAKER(S) |           |        | RENTALS / SERVICES |        |  | Mon | Day | Eve |  |  |
|                             |        |  |         |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  | NO. 1           | TYPE KING | TYPE   |                    |        |  |     |     |     |  |  |
|                             |        |  |         |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  | CHANGES         | SCREENS   | YES    | NO                 |        |  |     |     |     |  |  |
|                             |        |  |         |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  |                 |           | TOP    | 80                 | TOP    |  |     |     |     |  |  |
|                             |        |  |         |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  |                 |           | MIDDLE | 80                 | MIDDLE |  |     |     |     |  |  |
| 114                         | 62.45  |  | H.W.D   |  | 70   |  | 158  |  | 4.5"XH |              | 20          |  | FMSCO     |  | 375        |  | 356        |  | BOTTOM          | 80        | BOTTOM | 80                 |        |  |     |     |     |  |  |
| 165                         | 151.70 |  | D.C     |  | 73   |  | 171  |  | 4.5"XH |              | 20          |  |           |  |            |  |            |  |                 |           |        |                    |        |  |     |     |     |  |  |

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|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                                                                                                |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. : <b>WID1934</b>                                                                                              |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                   |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | CM<br>CM<br>CM<br>RIG 176<br>BOILER                                                                            |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O.D.C. Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                       |  | CM<br>CM<br>CM<br>WEATHER<br>TEMPERATURE -32<br>CONDITIONS CLEAR<br>WIND DIRECTIONS S.E.<br>ROAD CONDITION ICE |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D. : <b>300C496640125450</b>                                                                                        |  |                                                                                                                                                                                                                                                        |  |                                                                                                                |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                                                                                                |  |

|                                         |         |  |          |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  |                 |                 |        |                    |  |  |     |     |      |  |
|-----------------------------------------|---------|--|----------|--|------|--|------|--|--------|--------------|-------------|--|-----------|--|------------|--|------------|--|-----------------|-----------------|--------|--------------------|--|--|-----|-----|------|--|
|                                         |         |  |          |  |      |  |      |  |        | SAFETY TOPIC |             |  |           |  |            |  |            |  |                 | DRUG AND ALCHOL |        |                    |  |  |     |     |      |  |
| LAST<br>CASING<br>TUBING<br>OR<br>LINER | O.D. mm |  | MIN. I.D |  | kg/m |  | MAKE |  | GRADE  |              | # OF JOINTS |  | TOTAL (m) |  | KB TO CSG. |  | SET AT (m) |  | SHALE SHAKER(S) |                 |        | RENTALS / SERVICES |  |  | Mon | Day | Even |  |
|                                         |         |  |          |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  | NO. 1           | TYPE KING       | TYPE   |                    |  |  |     |     |      |  |
|                                         |         |  |          |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  | CHANGE SCREENS  | YES             | NO     |                    |  |  |     |     |      |  |
|                                         |         |  |          |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  | TOP             | 80              | TOP    |                    |  |  |     |     |      |  |
|                                         |         |  |          |  |      |  |      |  |        |              |             |  |           |  |            |  |            |  | MIDDLE          | 80              | MIDDLE |                    |  |  |     |     |      |  |
| 114                                     | 62.45   |  | H.W.D.   |  | 70   |  | 158  |  | 4.5"XH |              | 20          |  | EMSCO     |  | 375        |  | 356        |  | BOTTOM          | 80              | BOTTOM | 80                 |  |  |     |     |      |  |
| 165                                     | 151.70  |  | D.C.     |  | 73   |  | 171  |  | 4.5"XH |              | 20          |  |           |  |            |  |            |  |                 |                 |        |                    |  |  |     |     |      |  |

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|                                                                                                                           |                                                                                                                              |  |                                                                                                                                                                                                                                                     |                                        |                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------|
| LICENCE NO : WID1934                                                                                                      | WELL NAME AND NO. : PARA etal NOGHA                                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required)<br>(4) Well License & Stock Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines | CM<br>CM<br>CM<br>CM<br>CM<br>CM<br>CM | NO. 3                                                                            |
| OPERATOR : PARAMOUNT RESOURCES LTD.                                                                                       | CONTRACTOR - WILSON DRILLING LTD.                                                                                            |  |                                                                                                                                                                                                                                                     | RIG 204                                | BOILER                                                                           |
| SURFACE LOCATION :                                                                                                        | UNIQUE I.D. 300C496640125450                                                                                                 |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/mg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                      | CM<br>CM<br>CM<br>CM<br>CM<br>CM<br>CM | FUEL @ 08:00 HRS.                                                                |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) | CONTRACTORS REPRESENTATIVE - ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                     | WEATHER                                | TEMPERATURE -38<br>CONDITIONS CLEAR<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE |

|      |    |                   |                     |        |   |      |   |
|------|----|-------------------|---------------------|--------|---|------|---|
| TEMP | CM | TEAM              | 2003                | DATE   | 1 | TIME | 1 |
|      | CM | RIG NO.. 3        |                     |        |   |      |   |
|      | CM | FUEL @ 08:00 HRS. |                     |        |   |      |   |
|      | CM | RIG               | 204                 | BOILER |   |      |   |
| (th) | CM | WEATHER           | TEMPERATURE -38     |        |   |      |   |
|      | CM |                   | CONDITIONS CLEAR    |        |   |      |   |
|      | CM |                   | WIND DIRECTION CALM |        |   |      |   |
|      | CM |                   | ROAD CONDITION ICE  |        |   |      |   |

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| DRILLING ASSEMBLY<br>(AT END OF TOUR) |                   |         |       | BIT RECORD  |               |            |   | MUD RECORD         |           |           |       | METERS DRILLED |       |               |               | TIME LOG  |      |     |              | TIME DETAIL |                                     |                                      |  |
|---------------------------------------|-------------------|---------|-------|-------------|---------------|------------|---|--------------------|-----------|-----------|-------|----------------|-------|---------------|---------------|-----------|------|-----|--------------|-------------|-------------------------------------|--------------------------------------|--|
| NO.                                   | BIT SIZES         | O.D. mm | m     | BIT NO      | 1 A           |            |   | WATER BASED        | X         | OIL BASED |       | FROM           | TO    | DRILL/REAM/CR | ROTARY R.P.M. | WT ON BIT | FROM | TO  | ELAPSED TIME | CODE        |                                     |                                      |  |
| 1                                     |                   | 311     | 0.35  | m           | SIZE (mm)     | 311        | 0 | TIME               | 100       | 400       | 730   | 38.00          | 49.00 | D             | 65            | 12        | 0    | 215 | 2.25         | 2           | DRILL 311 MM PILOT HOLE 38 M TO 41M |                                      |  |
| 1                                     | BIT SUB           | 229     | 0.90  | m           |               |            |   | DENSITY kg/m3      | 1020      | 1020      | 1020  |                |       |               |               |           |      | 215 | 230          | 0.25        | 7                                   | RIG SERVICE                          |  |
| 2                                     | D.C.              | 229     | 17.83 | m           | IADC CODE     |            |   | FUNNEL VIS s/l     | 28        | 28        | 28    |                |       |               |               |           |      | 230 | 800          | 5.50        | 2                                   | DRILL 311 MM PILOT HOLE 41 M TO 49 M |  |
| 1                                     | X.O.              | 158     | 0.70  | m           |               |            |   | W.L. cm/FLCK       |           |           |       |                |       |               |               |           |      | 800 |              |             |                                     |                                      |  |
| 2                                     | D.C.              | 165     | 17.17 | m           | MFG.          | VAREL      |   | PH                 | 9.5       | 9.5       | 9.5   |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | Type          | ETD44-XG   |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | SERIAL NO     | 176923     |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | JETS (mm)     | 14, 14, 14 |   | MUD MATERIALS USED |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | DEPTH IN (m)  | 0.00       |   | TYPE               |           | QTY       | UNITS |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | DEPTH OUT (m) |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | TOTAL METER   | 49.00      |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | TOTAL HOURS   | 42.25      |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       | DRILLPIPE STANDS  |         |       | m           | INNER         |            |   | DEVIATION SURVEY   |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       | DRILLPIPE SINGLES |         |       | m           | OUTER         |            |   | DEPTH (m)          | DEVIATION | DIRECTION |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | DULL          |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | LOCATION      |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | BEARINGS      |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | GAGE/mm       |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | OTHER         |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | REASON        |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | R.O.P         |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       | KELLY DOWN        | 12.85   |       | m           |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       | TOTAL             | 49.80   |       | m           |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       | WT. OF D.C.       |         |       | m           | DRAG dan      |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       | m           | TORQUE        |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       | WT. OF STRING     | 14      |       | m           | FILL m        |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
| DRILLERS SIGNATURE                    |                   |         |       | MIKE STOLTE |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |
|                                       |                   |         |       |             |               |            |   |                    |           |           |       |                |       |               |               |           |      |     |              |             |                                     |                                      |  |



|                                                                                                                            |  |                                                                                                                              |  |                                                                                                                                                                                                                                                     |  |
|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO : <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. : <b>PARA etal NOGHA</b>                                                                                   |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stik Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's Flarelines & Degasser Lines |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                 |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  | (1) Rig Site Health and Safety Meeting (one/crew/month)<br>(2) C.A.O D C Rig Safety Inspection Checklist(one/rig/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kills Checked                     |  |
| SURFACE LOCATION :                                                                                                         |  | UNIQUE I D. : <b>300C496640125450</b>                                                                                        |  | CM<br>CM<br>CM<br>WEATHER                                                                                                                                                                                                                           |  |
| OPERATORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | FUEL @ 08:00 HRS.<br>RG 204 BOILER<br>TEMPERATURE -38<br>CONDITIONS CLEAR<br>WIND DIRECTION CALM<br>ROAD CONDITION ICE                                                                                                                              |  |

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# **EVENING SHIFT**

LICENCE NO. : **WID1934**

WELL NAME AND NO. : **PARA etal NOGHA**

OPERATOR : **PARAMOUNT RESOURCES LTD.**

SURFACE LOCATION :

CONTRACTOR : **WILSON DRILLING LTD.**

UNIQUE LD : **300C496640125450**

OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection

(2) Detailed Inspection-Weekly (Using Check List )

(3) H2S Signs Posted( If Required )

(4) Well License & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOP's Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)

(2) C.A. O.D.C. Rig Safety Inspection Checklist(one/rig/monthly)

(3) Mast Inspection Before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kilts Checked

CM

CM

CM

CM

RIG NO. **3**

FUEL @ 08:00 HRS.

RIG **204**

BOILER

CM

CM

CM

WEATHER

TEMPERATURE **-38**

CONDITIONS **CLEAR**

WIND DIRECTION **CALM**

ROAD CONDITION **ICE**

|                             |                  |              |         |              |                   |             |                   |            |                    | SAFETY TOPIC                                                                               |               |                   |                |                    |            |            |           |                |         | HANDLING TUBULARS |                |    |    |      |     |       |       |
|-----------------------------|------------------|--------------|---------|--------------|-------------------|-------------|-------------------|------------|--------------------|--------------------------------------------------------------------------------------------|---------------|-------------------|----------------|--------------------|------------|------------|-----------|----------------|---------|-------------------|----------------|----|----|------|-----|-------|-------|
| LAST CASING TUBING OR LINER | O.D mm           | MIN. LD      | kg/m    | MAKE         | GRADE             | # OF JOINTS | TOTAL (m)         | KB TO CSG. | SET AT (m)         | SHALE SHAKERS(S)                                                                           |               |                   |                | RENTALS / SERVICES |            |            |           |                |         |                   |                |    |    | Morn | Day | Eve   |       |
|                             |                  |              |         |              |                   |             |                   |            |                    | NO. 1                                                                                      | TYPE KING     | TYPE              |                |                    |            |            |           |                |         |                   |                |    |    |      |     |       |       |
|                             |                  |              |         |              |                   |             |                   |            |                    | CHANGE SCREENS                                                                             |               |                   | YES            | NO                 |            |            |           |                |         |                   |                |    |    |      |     |       |       |
|                             |                  |              |         |              |                   |             |                   |            |                    | TOP 80                                                                                     | TOP           |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     |       |       |
| DP SIZE                     | KG / M           | GRADE        | MIN. ID | TOOL JT O.D. | TYPE THREAD       | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE  | STROKE LTH.        | MIDDLE 80                                                                                  | MIDDLE        |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     |       |       |
| 114                         | 20.84            | E            | 84      | 117          | 4"FH              | 260         | OILWELL           | PT-850     | 229                | BOTTOM 80 <th colspan="3">BOTTOM</th> <th colspan="10"></th> <th></th> <th></th> <th></th> | BOTTOM        |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     |       |       |
| 165                         | 62.45            | H.W.D.       | 70      | 158          | 4.5"XH            | 20          | EMSCO             | 375        | 356                |                                                                                            |               |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     |       |       |
|                             | 151.70           | D.C.         | 73      | 171          | 4.5"XH            | 20          |                   |            |                    |                                                                                            |               |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     |       |       |
| CODE NO.:                   | 1                | 2            | 3       | 4            | 5                 | 6           | 7                 | 8          | 9                  | 10                                                                                         | 11            | 12                | 13             | 14                 | 15         | 16         | 17        | 18             | 19      | 20                | 21             | 22 | 23 | 24   | 25  | 26    | TOTAL |
| OPER.                       | GROUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING       | COND. MUD & CIRC. | TRIPS       | RIG SERVICE       | REPAIRING  | CUT OFF DRILL LINE | DEV. SURVEY                                                                                | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | NIPPLE UP B.O.P    | TEST B.O.P | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK  | SAFETY MEETING |    |    |      |     |       |       |
| MORN                        |                  | 7 75         |         |              |                   |             | 0 25              |            |                    |                                                                                            |               |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     | 8 00  |       |
| DAY                         |                  | 7 75         |         |              | 0 75              | 3 25        | 0 25              |            |                    |                                                                                            |               |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     | 12 00 |       |
| EVE                         |                  |              | 4 00    |              |                   |             |                   |            |                    |                                                                                            |               |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     | 4 00  |       |
| TOTAL                       |                  | 15 50        | 4 00    |              | 0 75              | 3 25        | 0 50              |            |                    |                                                                                            |               |                   |                |                    |            |            |           |                |         |                   |                |    |    |      |     | 24 00 |       |

NO. **DRILLING ASSEMBLY (AT END OF TOUR)**

BIT RECORD

BIT NO. **2A**

SIZE (mm) **444 0**

IADC CODE

MFG. **VAREL**

Type **MS51ADM**

SERIAL NO. **B83280**

JETS (mm) TB TB TB TB

DEPTH IN (m) **0 00**

DEPTH OUT (m)

TOTAL METER **12.00**

TOTAL HOURS **5 50**

MUD RECORD

WATER BASED ☐ OIL BASED ☐

TIME **2300**

DENSITY kg/m3 **1060**

FUNNEL VIS s/1 **38**

W.L. cm/ FLCK

PH **9 5**

METERS DRILLED

FROM **4.00** TO **12.00**

DRILL/ REAM/CRL **R**

ROTARY R.P.M.

WT ON BIT **10**

TIME LOG

FROM **2000** TO **2400**

ELAPSED TIME **4.00**

CODE **3**

TIME DETAIL

REAMING 444 MM HOLE FROM 4 M TO 12 M (WITH KELLYSPINNER)

DRILLPIPE STANDS

DRILLPIPE SINGLES

KELLY DOWN **0.46**

TOTAL **12.00**

WT. OF D.C.

WT. OF STRING **14**

DRAG dan

TORQUE

FILL m

1000 dan

1000 dan

DRILLERS SIGNATURE **MIKE STOLTE**

BOILER HRS. RUN **4 00**

PH **11 0**

STACK deg **400**

MACP **0**

MAX HOOKLOAD **10**

REDUCED PUMP SPEED

@ **0** @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

DEVIATION SURVEY

DEPTH ( m ) DEVIATION DIRECTION

MUD MATERIALS USED

TYPE QTY UNITS

BOILER

PH

STACK deg

MACP

MAX HOOKLOAD

Notes: BLOW BOILERS 2 X EACH

## MORNING SHIFT

LICENCE NO **WID1934** WELL NAME AND NO. **PARA etal NOGHA**OPERATOR : **PARAMOUNT RESOURCES LTD.**CONTRACTOR : **WILSON DRILLING LTD.**

SURFACE LOCATION

UNIQUE ID **300C496640125450**

OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE &amp; CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE &amp; CORRECT TO THE BEST OF MY ABILITY)

- (1) Daily Walk Around Inspection  
(2) Detailed Inspection-Weekly (Using Check List )  
(3) H2S Signs Posted( If Required )  
(4) Well License & Stick Diagram Posted  
(5) Flare Lines Staked  
(6) BOP Drills Performed  
(7) Visually Inspect BOP's Flarelines & Degasser Lines  
(1) Rig Site Health and Safety Meeting (one/crew/month)  
(2) C.A.O.D C Rig Safety Inspection Checklist(one/rig/month)  
(3) Mast Inspection Before Raising or Lowering  
(4) Crown Saver Checked  
(5) Motor Kills Checked

|    |                             |
|----|-----------------------------|
| CM | RIG NO. <b>3</b>            |
| CM | <b>FUEL @ 08:00 HRS.</b>    |
| CM | RIG <b>230</b> BOILER       |
| CM | TEMPERATURE <b>-36</b>      |
| CM | CONDITIONS <b>OVER CAST</b> |
| CM | WIND DIRECTION <b>CALM</b>  |
| CM | ROAD CONDITION <b>ICE</b>   |

## SAFETY TOPIC

| LAST CASING TUBING OR LINER | O.D mm | MIN. LD | kg/m | MAKE | GRADE | # OF JOINTS | TOTAL (m) | KB TO CSG. | SET AT (m) | SHALE SHAKER(S) |      |        | RENTALS / SERVICES |  |  |  |  |  |  |  |  |  |  |  | Mon | Day | Eve |
|-----------------------------|--------|---------|------|------|-------|-------------|-----------|------------|------------|-----------------|------|--------|--------------------|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|
|                             |        |         |      |      |       |             |           |            |            | NO.             | TYPE | TYPE   |                    |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|                             |        |         |      |      |       |             |           |            |            | 1               | KING |        |                    |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|                             |        |         |      |      |       |             |           |            |            | CHANGE SCREENS  |      |        |                    |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|                             |        |         |      |      |       |             |           |            |            | TOP             | 80   | TOP    |                    |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|                             |        |         |      |      |       |             |           |            |            | MIDDLE          | 80   | MIDDLE |                    |  |  |  |  |  |  |  |  |  |  |  |     |     |     |
|                             |        |         |      |      |       |             |           |            |            | BOTTOM          | 80   | BOTTOM | 80                 |  |  |  |  |  |  |  |  |  |  |  |     |     |     |

| DC  | DP SIZE | KG / M | GRADE | MIN. ID | TOOL JT. O.D. | TYPE THREAD | # OF JOINTS | PUMP MANUFACTURER | PUMP TYPE | STROKE LTH. |
|-----|---------|--------|-------|---------|---------------|-------------|-------------|-------------------|-----------|-------------|
|     | 20.84   | E      | 84    | 117     | 4"FH          | 260         |             | OILWELL           | PT-850    | 229         |
|     | 62.45   | H.W.D. | 70    | 158     | 4.5"XH        | 20          |             | EMSCO             | 375       | 356         |
| 165 | 151.70  | D.C    | 73    | 171     | 4.5"XH        | 20          |             |                   |           |             |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7           | 8         | 9                  | 10          | 11            | 12                | 13             | 14            | 15         | 16         | 17        | 18             | 19      | 20               | 21             | 22 | 23 | 24 | 25 | 26 | TOTAL |
|----------|------------------|--------------|---------|--------|-------------------|-------|-------------|-----------|--------------------|-------------|---------------|-------------------|----------------|---------------|------------|------------|-----------|----------------|---------|------------------|----------------|----|----|----|----|----|-------|
| OPER.    | RIGUP & TEARDOWN | DRILL ACTUAL | REASING | CORING | COND. BUD & CIRC. | TRIPS | RIG SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV. SURVEY | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | HOPE UP B.O.P | TEST B.O.P | DRILL STEB | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |    |    |    |    |    |       |
| MORN     |                  | 7 75         |         |        |                   |       | 0.25        |           |                    |             |               |                   |                |               |            |            |           |                |         |                  |                |    |    |    |    |    | 8 00  |
| DAY      |                  | 10 75        |         |        |                   |       | 0.25        |           |                    |             |               |                   |                |               |            |            |           |                |         |                  |                |    |    |    |    |    | 11 00 |
| EVE      |                  | 4 00         |         |        |                   |       |             |           |                    |             |               |                   |                |               |            |            |           |                |         |                  |                |    |    |    |    |    | 4 00  |
| TOTAL    |                  | 22.50        |         |        |                   |       | 0.50        |           |                    |             |               |                   |                |               |            |            |           |                |         |                  |                |    |    |    |    |    | 23 00 |

| DRILLING ASSEMBLY (AT END OF TOUR) |             |         |      | BIT RECORD |               |             |      | MUD RECORD  |          |           |       | METERS DRILLED |       |       |                 | TIME LOG      |           |      |     | TIME DETAIL  |      |                         |  |
|------------------------------------|-------------|---------|------|------------|---------------|-------------|------|-------------|----------|-----------|-------|----------------|-------|-------|-----------------|---------------|-----------|------|-----|--------------|------|-------------------------|--|
| NO.                                | BIT/SHOULDS | O.D.mm  | m    | BIT NO.    | 1 A           |             |      | WATER BASED |          | OIL BASED |       |                | FROM  | TO    | DRILL/ REAM/CR. | ROTARY R.P.M. | WT ON BIT | FROM | TO  | ELAPSED TIME | CODE |                         |  |
| 1                                  |             | 311     | 0 35 | m          |               |             |      |             |          |           |       |                | 15 00 | 23.00 | D               | 40            | 10        | 0    | 15  | 0.25         | 7    | RIG SERVICE             |  |
| 1                                  | BIT SUB     | 229     | 0 90 | m          | SIZE (mm)     | 311 0       |      |             |          |           |       |                |       |       |                 | 80            | 12        |      |     |              |      |                         |  |
| 1                                  | D C         | 229     | 8 81 | m          | IADC CODE     |             |      |             |          |           |       |                |       |       |                 |               |           | 15   | 800 | 7.75         | 2    | DRILL 311 MM PILOT HOLE |  |
| 1                                  | X.O         | 158     | 0 62 | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           | 800  |     |              |      |                         |  |
|                                    |             |         |      | m          | MFG.          | VAREL       |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          | Type          | ETD44-XG    |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          | SERIAL NO.    | 176923      |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          | JETS (mm)     | 14,14,14,14 |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          | DEPTH IN (m)  | 0 00        |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          | DEPTH OUT (m) |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          | TOTAL METER   | 23 00       |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          | TOTAL HOURS   | 19 50       |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    | DRILLPIPE   | STANDS  |      | m          | INNER         | OUTER       | DULL | LOCATION    | BEARINGS | GA&E/mm   | OTHER | REASON         | R.O.P |       |                 |               |           |      |     |              |      |                         |  |
|                                    | DRILLPIPE   | SINGLES |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |
|                                    |             |         |      | m          |               |             |      |             |          |           |       |                |       |       |                 |               |           |      |     |              |      |                         |  |

LICENCE NO. : **WID1934**

LICENCE NO. : **WID1934**

WELL NAME AND NO. :

**PARA etal NOGHA P C-49**

**OPERATOR :**

**PARAMOUNT RESOURCES LTD.**

**CONTRACTOR**

**WILSON DRILLING LTD.**

### SURFACE LOCATION

**UNIQUE LD.**

300C496640125450

**OPERATORS REPRESENTATIVE. (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)**

**CONTRACTORS REPRESENTATIVE (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)**

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection-Weekly (Using Check List )
- (3) H2S Signs Posted( If Required )
- (4) Well License & Stik Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspected BOP's - Flarelines & Degasser Lines

  

- (1) Rig Site Health and Safety Meeting (one/crew/month)
- (2) C.A. O.D.C Rig Safety Inspection Checklists(one/rig/month)
- (3) Mast Inspection Before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Kills Checked

|    |      |                   |                         |       |
|----|------|-------------------|-------------------------|-------|
| GP | R.H. | YEAR 2003         | MONTH 3                 | DAY 1 |
| YH | CM   | RIG NO.- 3        |                         |       |
| YH | CM   | FUEL @ 08:00 HRS. |                         |       |
|    |      | RIG               | BOILER                  |       |
|    |      | WEATHER           | TEMPERATURE -30         |       |
|    | CM   |                   | CONDITIONS HICOLD WINDS |       |
|    | CM   |                   | WIND DIRECTIONS E       |       |
|    | CM   |                   | ROAD CONDITION ICE      |       |

## YUGON HOPE

# CLINT MAYER

## SAFETY TOPIC

## CLENGING MUD TANKS

[illegible]

| DRILLING ASSEMBLY<br>(AT END OF TOUR) |          |  | BIT RECORD       |  |  |  |  | MUD RECORD         |           |           |  | METERS DRILLED           |                        |                         |                   |                         | TIME LOG  |      |     |                 | TIME DETAIL |                                                                |  |
|---------------------------------------|----------|--|------------------|--|--|--|--|--------------------|-----------|-----------|--|--------------------------|------------------------|-------------------------|-------------------|-------------------------|-----------|------|-----|-----------------|-------------|----------------------------------------------------------------|--|
| BITS MILLS                            | O.D.(mm) |  | BIT NO.          |  |  |  |  | WATER BASED        |           | OIL BASED |  |                          | FROM                   | TO                      | DRILL/<br>REAM/CR | ROTARY<br>R.P.M.        | WT ON BIT | FROM | TO  | ELAPSED<br>TIME | CODE        |                                                                |  |
|                                       |          |  | SIZE (mm)        |  |  |  |  | TIME               |           |           |  |                          |                        |                         |                   |                         |           | 0    | 800 | 8.00            | 1           | RIG UP & TEAR DOWN CLEAN PRE-MIX TANK,CLEAN MUD TANKS          |  |
|                                       |          |  | IADC CODE        |  |  |  |  | DENSITY<br>kg/m3   |           |           |  |                          |                        |                         |                   |                         |           | 800  |     |                 |             | TEAR OUT REMAINING FLOOR PRE-FABS,VISUAL INSPECTION OF DERRICK |  |
|                                       |          |  | MFG.             |  |  |  |  | FUNNEL<br>VIS s/l  |           |           |  |                          |                        |                         |                   |                         |           | 0    |     |                 |             | SAFETY MTG. PRIOR TO LOWERING DERRICK,DE-ICE SUB & MATTING     |  |
|                                       |          |  | Type             |  |  |  |  | W.L cm/<br>FLCK    |           |           |  |                          | Circ<br>Press<br>(kPa) | PUMP NO. 1<br>LINER(mm) | SPM               | PUMP NO. 2<br>LINER(mm) | SPM       |      |     |                 |             | DERRICK OVER @ 04.30 hrs / MARCH,1,2003_C.M.                   |  |
|                                       |          |  | SERIAL<br>NO.    |  |  |  |  | PH                 |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | JETS (mm)        |  |  |  |  | MUD MATERIALS USED |           |           |  |                          | @                      |                         | @                 |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | DEPTH IN<br>(m)  |  |  |  |  | TYPE               | QTY       | UNITS     |  | SOLIDS CONTROL EQUIPMENT |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | DEPTH<br>OUT (m) |  |  |  |  |                    |           |           |  | DESILTER                 |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | TOTAL<br>METER   |  |  |  |  |                    |           |           |  | HOURS                    | INTAKE                 | OVERFLOW                | UNDERFLOW         |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | TOTAL<br>HOURS   |  |  |  |  |                    |           |           |  | CENTRIFUGE               |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
| DRILLPIPE STANDS                      |          |  | INNER            |  |  |  |  |                    |           |           |  | HOURS                    | INTAKE                 | OVERFLOW                | UNDERFLOW         |                         |           |      |     |                 |             |                                                                |  |
| DRILLPIPE SINGLES                     |          |  | OUTER            |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
| KELLY DOWN                            |          |  | DILL             |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | LOCATION         |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | BEARINGS         |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | O.A.D(mm)        |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | OTHER            |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | REASON           |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | R.O.P            |  |  |  |  | DEVIATION SURVEY   |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  | DEPTH ( m )      |  |  |  |  | DEPTH ( m )        | DEVIATION | DIRECTION |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |
|                                       |          |  |                  |  |  |  |  |                    |           |           |  |                          |                        |                         |                   |                         |           |      |     |                 |             |                                                                |  |

NEED COPY



|                                                                                                                           |  |                                                                                                                              |  |                                                                                                                                                                                                                                                        |  |                                    |  |                                                                                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO. <b>WID1934</b>                                                                                                |  | WELL NAME AND NO. <b>PARA etal NOGHA P C-49</b>                                                                              |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required )<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's - Flarelines & Degasser Lines |  | YH CM<br>YH CM<br><br><br><br><br> |  | 3<br><br><b>FUEL @ 08:00 HRS.</b><br><br>                                                                                     |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                     |  |                                                                                                                                                                                                                                                        |  |                                    |  | RIG<br>BOILER                                                                                                                 |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE ID <b>300C496640125450</b>                                                                                            |  |                                                                                                                                                                                                                                                        |  |                                    |  | CM<br>CM<br>CM                                                                                                                |  |
| OPERATORS REPRESENTATIVE: ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  |                                                                                                                                                                                                                                                        |  |                                    |  | WEATHER<br>TEMPERATURE <b>-30</b><br>CONDITIONS <b>HICOLD WINDS</b><br>WIND DIRECTION <b>S.E</b><br>ROAD CONDITION <b>ICE</b> |  |

[illegible]

**PARA etal NOGHA P C-49**

**CONTRACTOR:** **WILSON DRILLING LTD.**

UNIQUE ID - 300C496640125450

CONTRACTORS REPRESENTATIVE . ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY)

## CLINT MAYER

## DE-ICING

[illegible]

|                                                                                                                           |  |                                                                                                                            |  |                                                                                                                                                                                                                                                      |  |
|---------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| LICENCE NO <b>WID1934</b>                                                                                                 |  | WELL NAME AND NO. : <b>PARA etal NOGHA P C-49</b>                                                                          |  | (2) Detailed Inspection-Weekly (Using Check List )<br>(3) H2S Signs Posted( If Required)<br>(4) Well License & Stick Diagram Posted<br>(5) Flare Lines Staked<br>(6) BOP Drills Performed<br>(7) Visually Inspect BOP's, Flarelines & Degasser Lines |  |
| OPERATOR : <b>PARAMOUNT RESOURCES LTD.</b>                                                                                |  | CONTRACTOR : <b>WILSON DRILLING LTD.</b>                                                                                   |  | (1) Rig Site Health and Safety Meeting (one/crow/month)<br>(2) C.A.O.D.C Rig Safety Inspection Checks(one/mg/month)<br>(3) Mast Inspection Before Raising or Lowering<br>(4) Crown Saver Checked<br>(5) Motor Kils Checked                           |  |
| SURFACE LOCATION :                                                                                                        |  | UNIQUE I.D : <b>300C496640125450</b>                                                                                       |  | RIG NO <b>3</b><br>FUEL @ <b>08:00 HRS.</b><br>RIG <b>201</b> BOILER                                                                                                                                                                                 |  |
| OPERATORS REPRESENTATIVE. ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CONTRACTORS REPRESENTATIVE ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY) |  | CM TEMPERATURE <b>-32</b><br>CM CONDITIONS <b>CLEAR</b><br>CM WIND DIRECTION <b>S E</b><br>CM ROAD CONDITION <b>ICE</b>                                                                                                                              |  |

| YUGON HOPE                               |                  |              |         |         |                   |               |             |                   |                    | CLINT MAYER      |               |                   |                |                |            |            |            |                 |                      | SAFETY TOPIC     |                |           |                    |      |    |     |       |              |  | RUN CSG        |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------------------------|------------------|--------------|---------|---------|-------------------|---------------|-------------|-------------------|--------------------|------------------|---------------|-------------------|----------------|----------------|------------|------------|------------|-----------------|----------------------|------------------|----------------|-----------|--------------------|------|----|-----|-------|--------------|--|----------------|--|------------------------------|-----|-----|-----|--|--|--|--|-----------|--|--|--|--|--|--|--|--|--|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| LAST<br>CASTING<br>TUBING<br>OR<br>LINER | O.D. mm          |              | MIN. LD |         | kg/m              |               | MAKE        |                   | GRADE              |                  | # OF JOINTS   |                   | TOTAL (m)      |                | KB TO CSG. |            | SET AT (m) |                 | SHALE SHAKER(S)      |                  |                |           | RENTALS / SERVICES |      |    |     |       |              |  |                |  |                              | Mon | Day | Eve |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          | 244 5            |              | 224 4   |         | 59 53             |               | Ipsco       |                   | I-80               |                  | 38            |                   | 509 38         |                | 5 00       |            | 509 00     |                 | NO 1 TYPE KING COBRA |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 | CHANGES SCREENS      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 | TOP 80140            |                  | TOP 110        |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DC                                       | DP SIZE          | KG / M       | GRADE   | MIN. LD | TOOL JT O.D.      | TYPE THREAD   | # OF JOINTS | PUMP MANUFACTURER |                    | PUMP TYPE        |               | STROKE LTH.       |                | MIDDLE 80140   |            | MIDDLE 110 |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 102                                      | 20.84            | E            | 84      | 117     | 4"FH              | 208           | OILWELL     |                   | PT-850             |                  | 229           |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14                                       | 62.45            | H.W.D.       | 70      | 158     | 4.5"XH            | 20            | EMSCO       |                   | 375                |                  | 356           |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55                                       | 151.70           | D.C          | 73      | 171     | 4.5"XH            | 20            |             |                   |                    |                  |               |                   |                |                | BOTTOM 110 |            | BOTTOM 175 |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CODE NO.                                 | 1                | 2            | 3       | 4       | 5                 | 6             | 7           | 8                 | 9                  | 10               | 11            | 12                | 13             | 14             | 15         | 16         | 17         | 18              | 19                   | 20               | 21             | 22        | 23                 | 24   | 25 | 26  | TOTAL |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OPER.                                    | GROUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING  | COND. MUD & CIRC. | TRIPS         | R/O SERVICE | REPAIRING         | CUT OFF DRILL LINE | DEV. SURVEY      | WIRELINE LOGS | RUN CSG. & CEMENT | WAIT ON CEMENT | HPPLE UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK  | SQUEEZE CEMENT  | FISHING              | DIRECTIONAL WORK | SAFETY MEETING |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| MORN                                     |                  |              |         |         | 1 25              |               | 0.25        |                   |                    |                  |               | 6 25              |                |                |            |            |            |                 |                      |                  | 0 25           |           |                    |      |    |     | 8 00  |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DAY                                      | 7 50             |              |         |         | 1 75              |               | 0 25        |                   |                    |                  |               | 2 25              |                |                |            |            |            |                 |                      |                  | 0 25           |           |                    |      |    |     | 12 00 |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| EVE                                      | 4 00             |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     | 4 00  |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL                                    | 11 50            |              |         |         | 3 00              |               | 0 50        |                   |                    |                  |               | 8 50              |                |                |            |            |            |                 |                      |                  | 0 50           |           |                    |      |    |     | 24 00 |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NO. DRILLING ASSEMBLY (AT END OF TOUR)   |                  |              |         |         |                   |               |             |                   |                    | BIT RECORD       |               |                   |                |                |            |            |            |                 |                      | MUD RECORD       |                |           |                    |      |    |     |       |              |  | METERS DRILLED |  |                              |     |     |     |  |  |  |  | TIME LOG  |  |  |  |  |  |  |  |  |  | TIME DETAIL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| BIT MILLS                                |                  | O.D. mm      |         | M       |                   | BIT NO        |             | WATER BASED       |                    | X                |               | OIL BASED         |                | FROM           |            | TO         |            | DRILL/ REAM/CR. |                      | ROTARY R.P.M.    |                | WT ON BIT |                    | FROM |    | TO  |       | ELAPSED TIME |  | CODE           |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             | TIME              |                    | 700              |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    | 0    |    | 15  |       | 0.25         |  | 21             |  | SAFETY MTG.                  |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | SIZE (mm)     |             | DENSITY           |                    | 1300             |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    | 15   |    | 30  |       | 0.25         |  | 7              |  | RIG SERVICE                  |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | IADC CODE     |             | FUNNEL VIS s/l    |                    | 75               |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    | 30   |    | 645 |       | 6.25         |  | 12             |  | RUN CSG.                     |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | MFG.          |             | W.L. cm/ FILCK    |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    | 645  |    | 800 |       | 1.25         |  | 5              |  | COND MUD & CIRC. ( 2M FILL ) |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | Type          |             | PH                |                    | 10 5             |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    | 800  |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | SERIAL NO.    |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | JETS (mm)     |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | DEPTH IN (m)  |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | DEPTH OUT (m) |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | TOTAL METER   |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | TOTAL HOURS   |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLPIPE STANDS                         |                  |              |         |         |                   | INNER         |             | OUTER             |                    | DILL             |               | LOCATION          |                | BEARINGS       |            | GRADE/mm   |            | OTHER           |                      | REASON           |                | R.O.P     |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLPIPE SINGLES                        |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| KELLY DOWN                               |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL                                    |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| OF D.C.                                  |                  |              |         |         |                   | 1000          |             | DRAG dan          |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WT OF STRING                             |                  |              |         |         |                   | 1000          |             | TORQUE            |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   | FILL IN       |             | 2.00              |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| DRILLERS SIGNATURE                       |                  |              |         |         |                   |               |             |                   |                    | MONTE RUTHERFORD |               |                   |                |                |            |            |            |                 |                      | MAX HOOKLOAD     |                |           |                    |      |    |     |       |              |  | 51             |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      | HRS. RUN         |                |           |                    |      |    |     |       |              |  | BOILER PH      |  |                              |     |     |     |  |  |  |  | STACK deg |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      | 8 00             |                |           |                    |      |    |     |       |              |  | 11 0           |  |                              |     |     |     |  |  |  |  | 430       |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      | MACP             |                |           |                    |      |    |     |       |              |  | 2968           |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      | MAX HOOKLOAD     |                |           |                    |      |    |     |       |              |  | 51             |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                          |                  |              |         |         |                   |               |             |                   |                    |                  |               |                   |                |                |            |            |            |                 |                      |                  |                |           |                    |      |    |     |       |              |  |                |  |                              |     |     |     |  |  |  |  |           |  |  |  |  |  |  |  |  |  |             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

LICENCE NO : **WID1934**

**PARA etal NOGHA P C-49**

**OPERATOR :**

**PARAMOUNT RESOURCES LTD.**

**CONTRACTOR:**

**WILSON DRILLING LTD.**

**SURFACE LOCATION :**

**UNIQUE LD. :**

300C496640125450

**OPERATORS REPRESENTATIVE- (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)**

**CONTRACTORS REPRESENTATIVE : ( I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE  
& CORRECT TO THE BEST OF MY ABILITY )**

# YUGON HOPE

# CLINT MAYER

## SAFETY TOPIC

## CEMENTING & TEAR OUT

| LAST CASING TUBING OR LINER | O.D mm |      | MIN. I.D |        | kg/m    |         | MAKE  |      | GRADE  |             | # OF JOINTS       |  | TOTAL (m) |  | KB TO CSG.  |  | SET AT (m) |  | SHAPE SHAKER(S) |                 |        | RENTALS / SERVICES |        |     |  | Mon | Day | Even |  |  |  |
|-----------------------------|--------|------|----------|--------|---------|---------|-------|------|--------|-------------|-------------------|--|-----------|--|-------------|--|------------|--|-----------------|-----------------|--------|--------------------|--------|-----|--|-----|-----|------|--|--|--|
|                             | 244 5  |      | 224 4    |        | 59 53   |         | Ipsco |      | I-80   |             | 38                |  | 509 38    |  | 5 00        |  | 509 00     |  | NO. 1           | TYPE KING COBRA | TYPE   |                    |        |     |  |     |     |      |  |  |  |
|                             |        |      |          |        |         |         |       |      |        |             |                   |  |           |  |             |  |            |  | CHANGE SCREENS  |                 | YEAR   | NO.                |        |     |  |     |     |      |  |  |  |
|                             |        |      |          |        |         |         |       |      |        |             |                   |  |           |  |             |  |            |  |                 |                 | TOP    | 80140              | TOP    | 110 |  |     |     |      |  |  |  |
|                             |        |      |          |        |         |         |       |      |        |             |                   |  |           |  |             |  |            |  |                 |                 | MIDDLE | 80140              | MIDDLE | 110 |  |     |     |      |  |  |  |
| DC                          | DP     | SIZE | KG / M   | GRADE  | MIN. ID | TOOL JT | O.D   | TYPE | THREAD | # OF JOINTS | PUMP MANUFACTURER |  | PUMP TYPE |  | STROKE LTH. |  |            |  |                 |                 |        |                    |        |     |  |     |     |      |  |  |  |
| 102                         |        |      | 20.84    | F      | 84      |         | 117   |      | 4"FH   | 208         | OILWELL           |  | PT-850    |  | 229         |  |            |  |                 |                 |        |                    |        |     |  |     |     |      |  |  |  |
| 104                         |        |      | 62.45    | H.W.D. | 70      |         | 158   |      | 4.5"XH | 20          | FMSCO             |  | 375       |  | 356         |  |            |  |                 |                 |        |                    |        |     |  |     |     |      |  |  |  |
|                             |        |      | 151.70   | D.C    | 73      |         | 171   |      | 4.5"XH | 20          |                   |  |           |  |             |  |            |  |                 |                 |        |                    |        |     |  |     |     |      |  |  |  |
|                             |        |      |          |        |         |         |       |      |        |             |                   |  |           |  |             |  |            |  |                 |                 |        |                    |        |     |  |     |     |      |  |  |  |

| CODE NO. | 1                | 2            | 3       | 4      | 5                 | 6     | 7           | 8         | 9                  | 10         | 11           | 12                | 13             | 14              | 15         | 16         | 17        | 18             | 19      | 20               | 21             | 22 | 23 | 24 | 25 | 25 | TOTAL |
|----------|------------------|--------------|---------|--------|-------------------|-------|-------------|-----------|--------------------|------------|--------------|-------------------|----------------|-----------------|------------|------------|-----------|----------------|---------|------------------|----------------|----|----|----|----|----|-------|
| OPER.    | RIGUP & TEARDOWN | DRILL ACTUAL | REAMING | CORING | COND. MUD & CIRC. | TRIPS | ROD SERVICE | REPAIRING | CUT OFF DRILL LINE | DEV SURVEY | WIRELIN LOGS | RUN CCG. & CEMENT | WAIT ON CEMENT | NIPLLE UP B.O.P | TEST B.O.P | DRILL STEM | PLUG BACK | SQUEEZE CEMENT | FISHING | DIRECTIONAL WORK | SAFETY MEETING |    |    |    |    |    |       |
| MORN     |                  |              |         |        | 1 25              |       | 0 25        |           |                    |            |              | 6 25              |                |                 |            |            |           |                |         |                  | 0 25           |    |    |    |    |    | 8 00  |
| DAY      | 7.50             |              |         |        | 1 75              |       | 0 25        |           |                    |            |              | 2 25              |                |                 |            |            |           |                |         |                  | 0 25           |    |    |    |    |    | 12 00 |
| EVE      | 4.00             |              |         |        |                   |       |             |           |                    |            |              |                   |                |                 |            |            |           |                |         |                  |                |    |    |    |    |    | 4 00  |
| TOTAL    | 11 50            |              |         |        | 3 00              |       | 0 50        |           |                    |            |              | 8 50              |                |                 |            |            |           |                |         |                  | 0 50           |    |    |    |    |    | 24 00 |

[illegible]