

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE

CONTRACTOR

NABORS DRILLING

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

Doug Mattice

DAILY CHECKS

(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 Flare Lines & Degasser Lines

(8.) Rig Site Health & Safety Meeting (one/week/month)

(9.) CADCOC Rig Safety Inspection Checklist (one/week/month)

(10.) Meel Inspection before Raising or Lowering

(11.) Crown Saver Checked

(12.) Motor Kils Checked

YEAR

2004

MONTH

1

DAY

25

LAST CASING TUBING OR LINER

OD (mm)

ID (mm)

MASS (kg)

MAKE

GRADE

NO. OF JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

RIG NO.

62

FUEL @ 08:00 HRS

RIG

BOILER

TEMPERATURE

DC/DP

DC/DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

OPERATOR'S AFE

NT040210

KELLY BSHG

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

RE-ENTRY

00:00

WELL TYPE

RE-ENTRY

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

Apache Paramount Nogha B-23

YEAR

2004

MONTH

1

DAY

25

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

Doug Mattice

RIG NO.

62

PROVINCE

N.W.T.

CAMP

☒ YES ☐ NO

RIG SAFETY DAYS

1

MORNING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

MW

DERRICK HAND

Anthony Woodford

12.00

AW

FLOOR HAND

Keith Buchanam

12.00

KB

FLOOR HAND

Shane Wilkison

8.00

SW

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

WOC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BIG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD TYPE

WATER BASED

☐

OIL BASED

☐

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

@

@

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

HRS RUN

BOILER pH

BOILER pH

STACK TEMP

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINER SIZE

SPM

PUMP NO. 2

LINER SIZE

SPM

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MBL

MACP

NO.

1

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

WOC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BIG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD TYPE

WATER BASED

☐

OIL BASED

☐

FROM

TO

D-R-C

RPM

WOB

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

@

@

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

HRS RUN

BOILER pH

BOILER pH

STACK TEMP

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINER SIZE

SPM

PUMP NO. 2

LINER SIZE

SPM

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MBL

MACP

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

Organize mud products for surface hole with Baker mud man

Crew staying at MacKenzie valley hotel

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

APACHE CANADA LTD.

NABORS DRILLING

Doug Mattice

62

N.W.T.

☒ YES ☐ NO

1

0

1200

X

REGULAR

REPAIR

INVERT

1

1200

0

X

REGULAR

REPAIR

INVERT

1

Form content including headers, tables, and form fields. The form is divided into several sections: 1. Header/Identification: Includes Licence No., Well Name & No., and Operator/Contractor information. 2. Daily Checks: A section for recording various checks and measurements. 3. Drilling Data: A large table for recording drilling parameters like depth, rate of penetration, and fluid loss. 4. Time Log: A section for recording time spent on various activities. 5. Drilling Crew Payroll Data: A table for recording crew members, their roles, and hours worked. 6. Drilling Assembly (at end of tour): A section for recording details of the drilling assembly at the end of the tour.

[illegible]

LICENCE NO. WELL NAME & NO. Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

SURFACE LOCATION UNIQUE ID 300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S RIG MANAGER

BILL MURRAY DOUG MATTICE

DAILY CHECKS

(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Location & Block Diagram Posted
(5.) Flare Lines Bailed
(6.) BOP Drills Performed
(7.) Visually Inspect BOPs - Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/crow/month)
(2.) CAODC Rig Safety Inspection Checklist (one/month)
(3.) Mast Inspection before Raising or Lowering
(4.) Crown Saver Checked
(5.) Motor Kils Checked

YEAR 2004 MONTH 1 DAY 31

RIG NO. 62

FUEL @ 08:00 HRS

TEMPERATURE CURRENT CONDITIONS WIND DIRECTION ROAD CONDITION

LAST CASING TUBING OR LINER

MAKE GRADE NO. OF JOINTS TOTAL LENGTH NO. TO CSG HEAD SET AT (m)

MIN. I.D. (mm) I.A.C. (mm) MAKE GRADE MINIMUM I.D. T. INT. O.D. TYPE THREAD NO. OF JOINTS PUMP TYPE PUMP MANUFACTURER STROKE LENGTH

SPUD DATE 2004/02/03 TIME 17:00

RIG RELEASE 2004/03/20 TIME 00:00

WELL TYPE RE-ENTRY

OPERATOR'S AFE NT040210

KELLY BSHG OP FUEL

CONTRACTOR'S JOB NUM 2061A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION



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
RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DR. WORK	SAFETY MEETING						
MORN																										
DAY																										
TOTAL																										

SHALES SHAKER (S) NO. TYPE TYPE

SCREENS CHANGED NEW USED

TOP TOP

MIDDLE MIDDLE

BOTTOM BOTTOM

RENTALS / SERVICES

MORNING DAY

NO. DRILLING ASSEMBLY (AT END OF TOUR) LENGTH BIT RECORD

BIT O.D. BIT NO. MUD TYPE WATER BASED OIL BASED

SIZE TIME

WOC CODE DENSITY (kg/m3)

MANUFACTURER FUNNEL VISCOSITY

TYPE FLUID LOSS (cm3)

SERIAL NO. pH

JETS

DEPTH OUT (m) MUD MATERIALS ADDED

DEPTH IN (m) PRODUCT AMOUNT UNIT

TOTAL DRILLED (m) SOLIDS CONTROL

TOTAL HRS RUN CIRCULATION PRESSURE KPa PUMP NO. 1 PUMP NO. 2

CUTTING STRUCTURE CENTRIFUGE

TI To MOC LOC BRG GAGE ODC REASON PULLED TOTAL RUN HRS

HOLE CONDITION BOILERS

DRILL PIPE STANDS HOLE DRAG

DRILL PIPE SINGLES

KELLY DOWN

TORQUE AT BOTTOM

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (m)

STACK TEMP

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

ORGANIZE OUTSIDE OF CAMP, RIG IN SATELLITE DISH, UNPACK GROCERIES, RIG UP POWER TO TOOL PUSH, ENGINEER, AND DIRECTIONAL SHACKS, CREW STAYING AT NABORS CAMP

NOTES:

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEHL

MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Apache Paramount Nogha B-23 YEAR 2004 MONTH 1 DAY 31

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

RIG MANAGER Doug Mattice RIG NO. 62

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 7

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Marty Way	12.00		MW
DERRICK HAND		Anthony Woodford	12.00		AW
MOTOR HAND		Troy Armstrong	12.00		TA
FLOOR HAND		Keith Buchanam	12.00		KB
FLOOR HAND		Shane Wikison	12.00		SW

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS

DRIVERS

7

DAY TOUR FROM 1200 TO 0 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Andy Kambites	12.00		AK
DERRICK HAND		Aaron Tracy Gould	12.00		AG
MOTOR HAND		Robert Ashe	12.00		RA
FLOOR HAND		Josh Abney	12.00		JA
FLOOR HAND		Ken Stilborn	12.00		KS

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS

DRIVERS

7

WELL NAME & NO.

APACHE Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BILL MURRAY

CONTRACTOR

NABORS DRILLING

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DOUG MATTICE

DAILY CHECKS

(1.) Daily Well Around Inspection

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

(3.) H2S Signs Posted if Required

(4.) Well License & Risk Diagram Posted

(5.) Flare Lines Staged

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs - Flare Lines & Degasser Lines

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

(2.) CADCRC Rig Safety Inspection Checklist (one/night/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kils Checked

YEAR

2004

MONTH

2

DAY

1

RIG NO.

62

FUEL @ 08:00 HRS

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

LAST CASING TUBING OR LINER

O.D. (mm)

MINID. (mm)

MISC. (mm)

MAKE

GRADE

I.O. OF JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

TIME

00:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

APACHE Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

1

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

Doug Mattice

RIG NO.

62

PROVINCE

N.W.T.

CAMP

☒ YES ☐ NO

RIG SAFETY DAYS

8

MORNING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

MW

DERRICK HAND

Anthony Woodford

12.00

AW

MOTOR HAND

Troy Armstrong

12.00

TA

FLOOR HAND

Keith Buchanam

12.00

KB

FLOOR HAND

Shane Wilkison

12.00

SW

RATE SCHEDULE

☒ X ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

8

DRIVERS

DAY TOUR

FROM

1200

TO

0

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Andy Kambites

12.00

AK

DERRICK HAND

Aaron Tracy Gould

12.00

AG

MOTOR HAND

Robert Ashe

12.00

RA

FLOOR HAND

Josh Abney

12.00

JA

FLOOR HAND

Ken Stilborn

12.00

KS

RATE SCHEDULE

☒ X ☐ REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS

8

DRIVERS

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

MDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (m)

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MBL

MACP

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

MDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (m)

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MBL

MACP

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

MDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (m)

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MBL

MACP

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

SURFACE LOCATION

UNIQUE ID

300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BILL MURRAY

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DOUG MATTICE

DAILY CHECKS

(1) Daily Walk Around Inspection

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

(3) H2S Signs Posted if Required

(4) Well Licence & Block Diagram Posted

(5) Flare Lines Stained

(6) BOP Drills Performed

(7) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1) Rig Site Health & Safety Meeting (once/month)

(2) CAODC Rig Safety Inspection Checklist (once/month)

(3) Mast Inspection before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kils Checked

YEAR

2004

MONTH

2

DAY

2

RIG NO.

62

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

DC/DP

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

O.D. (mm)

M.P.D. (mm)

MASS (kg)

MAKE

GRADE

NO. OF JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

LAST CASING TUBING OR LINER

MINIMUM I.D.

T. JNT. O.D.

TYPE THREAD

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

SPUD DATE

2004/03/20

TIME

17:00

RIG RELEASE

2004/03/20

TIME

00:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

CAODC

PASON

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	TOTALS
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR WORK	SAFETY MEETING						
MORN																											
DAY																											
TOTAL																											

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

MDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN IN/HR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

HRS RUN

BOILER pH

BOILER pH

STACK TEMP

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINER SIZE

SPM

PUMP NO. 2

LINER SIZE

SPM

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

ASSIST WITH CEMENT JOB ON CONDUCTOR, SHOVEL OFF AND SWEEP

OUT BUILDINGS AT RIG LOCATION, SPOT MATTING.

CREWS STAYING AT NABORS CAMP

WORK WITH GRADER AND CAT TO LEVEL LEASE

TIME LOG

FROM

TO

ELAPSED TIME

CODE

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

MDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN IN/HR

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

HRS RUN

BOILER pH

BOILER pH

STACK TEMP

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

LINER SIZE

SPM

PUMP NO. 2

LINER SIZE

SPM

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

ASSIST WITH CEMENT JOB ON CONDUCTOR, SHOVEL OFF AND SWEEP

OUT BUILDINGS AT RIG LOCATION, SPOT MATTING.

CREWS STAYING AT NABORS CAMP

WORK WITH GRADER AND CAT TO LEVEL LEASE

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

APACHE Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

2

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

Doug Mattice

RIG NO.

62

PROVINCE

CAMP

X

YESNO

RIG SAFETY DAYS

9

MORNING TOUR

FROM

0

TO

1200

INJURIES

CREW

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

MMW

DERRICK HAND

Anthony Woodford

12.00

AW

MOTOR HAND

Troy Armstrong

12.00

TA

FLOOR HAND

Keith Buchanam

12.00

KB

FLOOR HAND

Shane Wilkison

12.00

SW

RATE SCHEDULE

X

REGULARREPAIRINVERT

CREW SAFETY DAYS

9

DRIVERS

DAY TOUR

FROM

1200

TO

0

INJURIES

CREW

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Andy Kambites

12.00

AK

DERRICK HAND

Aaron Tracy Gould

12.00

AG

MOTOR HAND

Robert Ashe

12.00

RA

FLOOR HAND

Josh Abney

12.00

JA

FLOOR HAND

Ken Stilborn

12.00

KS

RATE SCHEDULE

X

REGULARREPAIRINVERT

CREW SAFETY DAYS

9

DRIVERS

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BILL MURRAY

CONTRACTOR

NABORS DRILLING

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DOUG MATTICE

DAILY CHECKS

(1.) Daily Walk Around Inspection

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

(3.) HDS Signs Posted if Required

(4.) Well Licence & Risk Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (once/month)

(2.) ICAADC Rig Safety Inspection Checklist (once/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kils Checked

YEAR

2004

MONTH

2

DAY

3

LAST CASING TUBING OR LINER

NO. OF JOINTS

GRADE

NO. OF JOINTS

TOTAL LENGTH

NO. TO CSG HEAD

SET AT (m)

TEMPERATURE

DC/DP

DC/DP

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

TIME

00:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NT040210

KELLY BSHS

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

Apache Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

3

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DOUG MATTICE

RIG NO.

62

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

10

CREW SAFETY DAYS

10

DRIVERS

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

TOTALS

SHALE SHAKER (S)

RENTALS / SERVICES

MORNING

DAY

NO

TYPE

TYPE

SCREENS CHANGED

NEW

USED

TOP

TOP

MIDDLE

MIDDLE

BOTTOM

BOTTOM

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (HRS)

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (m)

TORQUE AT BOTTOM

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

SAFETY MEETING WITH BOTH CREWS, TOOL PUSH, TRUCK PUSH, COMPANY MAN & MEDIC PRIOR TO MOVING RIG, SPOT REST OF MATTING, SPOT & LEVEL SUB, SPOT DRAWWORKS, SPOT MUD TANKS, PREP DERRICK TO PIN IN MORNING

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MBL

MACP

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

ADC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (HRS)

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

FILL ON BOTTOM (m)

TORQUE AT BOTTOM

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

RIG UP ASSIST WELDER & ELECTRICIAN

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MBL

MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

Apache Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

3

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DOUG MATTICE

RIG NO.

62

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

10

CREW SAFETY DAYS

10

DRIVERS

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

MY

DERRICK HAND

Anthony Woodford

12.00

AW

MOTOR HAND

Troy Armstrong

12.00

TA

FLOOR HAND

Keith Buchanam

12.00

KB

FLOOR HAND

Shane Wilkison

12.00

SW

DAY TOUR

FROM

1200

TO

0

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Andy Kambites

12.00

AK

DERRICK HAND

Aaron Tracy Gould

12.00

AG

MOTOR HAND

Robert Ashe

12.00

RA

FLOOR HAND

Josh Abney

12.00

JA

FLOOR HAND

Ken Stilborn

12.00

KS

[illegible]

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BILL MURRAY

CONTRACTOR

NABORS DRILLING

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DOUG MATTICE

DAILY CHECKS

(1.) Daily Walk Around Inspection

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

(3.) H2S Signs Posted if Required

(4.) Well Location & Sink Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOP's Face Lines & Depresser Lines

(1.) Rig Site Health & Safety Meeting (on arrival/month)

(2.) CADC Rig Safety Inspection Checklist (on arrival/month)

(3.) Meet Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kils Checked

DATE

2004

MONTH

2

DAY

5

LAST CASING TUBING OR LINER

OD (mm)

WV (mm)

WAVE (mm)

MAKE

GRADE

JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

WELL TYPE

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

SPUD DATE

2004/02/05

RIG RELEASE

2004/03/20

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

TIME

17:00

TIME

00:00

PASON

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

TOTALS

RIGUP & TEARDOWN

4.00

DRILL ACTUAL

REAMING

CORING

CONO MUD & CIRC

TRIPS

RIG SERVICE

REPAIR RIG

CUT OFF DRILL LINE

DEV SURVEY

WIRELINE LOGS

RUN CSG & CEMENT

WAIT ON CEMENT

NIPPLE UP B.O.P.

TEST B.O.P.

DRILLSTEM TEST

PLUG BACK

SQUEEZE CEMENT

FISHING

DIR. WORK

SAFETY MEETING

SHALE SHAKER (S)

RENTALS / SERVICES

MORNING

DAY

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

SIZE

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN (m)

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C

[illegible]

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BILL MURRAY

CONTRACTOR

NABORS DRILLING

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DOUG MATTICE

DAILY CHECKS

(1.) Daily Walk Around Inspection

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

(3.) H2S Signs Posted if Required

(4.) Well Location & Stick Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspect BOPs: Flare Lines & Degreaser Lines

(1.) Rig Site Health & Safety Meeting (once/week/month)

(2.) CADC Rig Safety Inspection Checklist (once/month)

(3.) Heat Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kils Checked

YEAR

2004

MONTH

2

DAY

7

DISP

DM

DM

DM

WHEELS

DM

DM

DM

WHEELS

DM

DM

DM

RIG NO.

62

FUEL @ 08:00 HRS

BOILER

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

LAST CASING TUBING OR LINER

CD (mm)

MIN ID (mm)

MASS (kg/m)

GRADE

NO. OF JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

DC (mm)

DC/DP SIZE

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

PASON

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	TOTALS
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & DRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING						
MORN	12.00																										12.00
DAY	12.00																										12.00
TOTAL	24.00																										24.00

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

MORNING TOUR

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

GEL

CAUSTIC

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

12.00

HRS RUN

BOILER pH

10.0

BOILER pH

STACK TEMP

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

LINER SIZE

SPM

LINER SIZE

SPM

DRILLER SIGNATURE

Andy Kambites

SPECIAL EVENT

TIME / DEPTH

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

BRIDLE DOWN, RIG UP FLOOR, RIG UP PUMPS, ADJUST STAND PIPE.

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

BRIDLE DOWN, RIG UP FLOOR, RIG UP PUMPS, ADJUST STAND PIPE.

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DAY TOUR

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

PRODUCT

AMOUNT

UNIT

GEL

CAUSTIC

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN

INTAKE DENSITY (kg/m3)

OVER FLOW DENSITY

UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

1

2

HRS RUN

12.00

HRS RUN

BOILER pH

10.0

BOILER pH

STACK TEMP

STACK TEMP

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

LINER SIZE

SPM

LINER SIZE

SPM

DRILLER SIGNATURE

CARL BREAUULT

SPECIAL EVENT

TIME / DEPTH

METRES DRILLED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

RIG UP AND TEST DISTILATE TRANSFER SYSTEM, RIG UP DIVERTER.

TIME LOG

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

RIG UP AND TEST DISTILATE TRANSFER SYSTEM, RIG UP DIVERTER.

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

Apache Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

7

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DOUG MATTICE

RIG NO.

62

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

3

MORNING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Andy Kambites

11.00

AK

DERRICK HAND

Aaron Tracy Gould

11.00

AG

MOTOR HAND

Robert Ashe

11.00

RA

FLOOR HAND

Josh Abney

11.00

JA

FLOOR HAND

Ken Stilborn

11.00

KS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

3

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

CARL BREAUULT

12.00

CB

DERRICK HAND

AL MCGLASHAN

12.00

AM

MOTOR HAND

RICK KINSELLA

12.00

RK

FLOOR HAND

JASON IRVING

12.00

JJ

FLOOR HAND

SEAN JONSON

12.00

SJ

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

3

LICENCE NO.		WELL NAME & NO.		Apache Paramount Nogha B-23		CONTRACTOR		NABORS DRILLING		UNIQUE ID		300B236640125450		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DOUG MATTICE		BILL MURRAY		SIGNATURE OF OPERATOR'S REPRESENTATIVE		DOUG MATTICE		DAILY CHECKS		YEAR 2004 MONTH 2 DAY 8		LAST CASING TUBING OR LINER		O.D. (mm)		I.D. (mm)		T.W. (kg/m)		GRADE		NO. OF JOINTS		TOTAL LENGTH		NO. TO CSG HEAD		SET AT (m)		SPUD DATE		2004/02/03		TIME		17:00		RIG RELEASE		2004/03/20		TIME		00:00		WELL TYPE		RE-ENTRY		OPERATOR'S AFE		NT040210		KELLY BSHG		OP FUEL		CONTRACTOR'S JOB NUM		2961A		TOUR SHEET SERIAL NUM		VENDOR SOFTWARE VERSION		PASON		CAI	
OPERATOR		APACHE CANADA LTD.		CONTRACTOR		NABORS DRILLING		UNIQUE ID		300B236640125450		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DOUG MATTICE		BILL MURRAY		SIGNATURE OF OPERATOR'S REPRESENTATIVE		DOUG MATTICE		DAILY CHECKS		YEAR 2004 MONTH 2 DAY 8		LAST CASING TUBING OR LINER		O.D. (mm)		I.D. (mm)		T.W. (kg/m)		GRADE		NO. OF JOINTS		TOTAL LENGTH		NO. TO CSG HEAD		SET AT (m)		SPUD DATE		2004/02/03		TIME		17:00		RIG RELEASE		2004/03/20		TIME		00:00		WELL TYPE		RE-ENTRY		OPERATOR'S AFE		NT040210		KELLY BSHG		OP FUEL		CONTRACTOR'S JOB NUM		2961A		TOUR SHEET SERIAL NUM		VENDOR SOFTWARE VERSION		PASON		CAI			
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Apache Paramount Nogha B-23

APACHE CANADA LTD.

BILL MURRAY

CONTRACTOR

NABORS DRILLING

DOUG MATTICE

DAILY CHECKS

1. Daily Walk Around Inspection

2. Detailed Inspection - Weekly (Using Check List)

3. H2S Signs Posted if Required

4. Well Licence & Stock Diagram Posted

5. Flare Lines Staked

6. BOP Dies Performed

7. Visually Inspected BOPs, Flare Lines & Degasser Lines

1. Rig Site Health & Safety Meeting (one/two/month)

2. CAODC Rig Safety Inspection Checklist (one/two/month)

3. Mast Inspection before Raising or Lowering

4. Crown Saver Checked

5. Mast Kite Checked

YEAR

2004

MONTH

2

DAY

10

LAST CASING TUBING OR LINER

O.D. (mm)

339.7

M.W.D. (mm)

311.4

MASS (kg/m)

101

MAKE

GRADE

NO. OF JOINTS

3

TOTAL LENGTH

60.53

K3 TO CSG HEAD

4.45

SET AT (m)

60.00

RIG NO.

62

FUEL @ 08:00 HRS

TEMPERATURE

172

CURRENT CONDITIONS

4

WIND DIRECTION

6

ROAD CONDITION

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

RE-ENTRY

00:00

WELL TYPE

OPERATOR'S AFE

NT040210

KELLY BSHG

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

APACHE CANADA LTD.

NABORS DRILLING

DOUG MATTICE

62

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

6

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

RIGUP & TEARDOWN

DRILL ACTUAL

REAMING

CORING

COND MUD & CIRC

TRIPS

RIG SERVICE

REPAIR RIG

CUT OFF DRILL LINE

DEV SURVEY

WIRELINE LOGS

RUN CSG & CEMENT

WAIT ON CEMENT

NIPPLE UP & O.P.

TEST B.O.P.

DRILLSTEM TEST

PLUG BACK

SQUEEZE CEMENT

FISHING

DIR. WORK

SAFETY MEETING

TOTALS

12.00

11.50

23.50

SHALE SHAKER (S)

RENTALS / SERVICES

MORNING

DAY

NO. 1

TYPE

SWACO

TYPE

CREW VEHICLE

80425

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

Apache Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

10

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DOUG MATTICE

RIG NO.

62

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

6

NO.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

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19

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21

22

23

24

25

26

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.32

BIT NO.

1

SIZE

311.0

WATER BASED

X

OIL BASED

MUD TYPE

TIME

400

600

1000

66.00

102.00

D

20

15

DENSITY (kg/m3)

1020

1020

1030

FUNNEL VISCOSITY

39

40

40

FLUID LOSS (cm3)

15.0

pH

10.0

10.0

9.5

DEPTH OUT (m)

60.00

DEPTH IN (m)

42.00

TOTAL DRILLED (m)

42.00

TOTAL HRS RUN

8.25

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

DOC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

0

TORQUE AT BOTTOM

4.25

WT. OF D.C.

102.00

WT. OF STRING

23

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

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.32

BIT NO.

1

SIZE

311.0

WATER BASED

X

OIL BASED

MUD TYPE

TIME

1400

1800

2200

102.00

111.00

D

20

6

DENSITY (kg/m3)

1030

1030

FUNNEL VISCOSITY

45

52

FLUID LOSS (cm3)

15.0

pH

10.0

10.0

DEPTH OUT (m)

60.00

DEPTH IN (m)

51.00

TOTAL DRILLED (m)

51.00

TOTAL HRS RUN

15.75

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

DOC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

0

TORQUE AT BOTTOM

4

WT. OF D.C.

111.00

WT. OF STRING

28

NO.

1

2

3

4

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6

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8

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12

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14

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16

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TOTAL RUN HRS

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52

FLUID LOSS (cm3)

15.0

pH

10.0

10.0

DEPTH OUT (m)

60.00

DEPTH IN (m)

51.00

TOTAL DRILLED (m)

51.00

TOTAL HRS RUN

15.75

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

DOC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

0

TORQUE AT BOTTOM

4

WT. OF D.C.

111.00

WT. OF STRING

28

NO.

1

2

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26

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.32

BIT NO.

1

SIZE

311.0

WATER BASED

X

OIL BASED

MUD TYPE

TIME

1400

1800

2200

102.00

111.00

D

20

6

DENSITY (kg/m3)

1030

1030

FUNNEL VISCOSITY

45

52

FLUID LOSS (cm3)

15.0

pH

10.0

10.0

DEPTH OUT (m)

60.00

DEPTH IN (m)

51.00

TOTAL DRILLED (m)

51.00

TOTAL HRS RUN

15.75

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

DOC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

0

TORQUE AT BOTTOM

4

WT. OF D.C.

111.00

WT. OF STRING

28

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DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

0.32

BIT NO.

1

SIZE

311.0

WATER BASED

X

OIL BASED

MUD TYPE

TIME

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1800

2200

102.00

111.00

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DENSITY (kg/m3)

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FUNNEL VISCOSITY

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FLUID LOSS (cm3)

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pH

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10.0

DEPTH OUT (m)

60.00

DEPTH IN (m)

51.00

TOTAL DRILLED (m)

51.00

TOTAL HRS RUN

15.75

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

DOC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

0

TORQUE AT BOTTOM

Apache Paramount Nogha B-23

APACHE CANADA LTD. NABORS DRILLING

66:32:05.69 N 125:40:33.24 W

BILL MURRAY DOUG MATTICE

DAILY CHECKS

OPERATOR SURFACE LOCATION SIGNATURE OF OPERATOR'S REPRESENTATIVE

CONTRACTOR UNIQUE ID SIGNATURE OF CONTRACTOR'S RIG MANAGER

SPUD DATE 2004/02/08 TIME 17:00

RIG RELEASE 2004/03/20 TIME 00:00

WELL TYPE RE-ENTRY

OPERATOR'S AFE NT040210

KELLY BSHG OP FUEL

CONTRACTOR'S JOB NUM 2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

RIG MANAGER DOUG MATTICE RIG NO. 0062

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 8

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER Andy Kambites 12.00 AK

DERRICK HAND Aaron Tracy Gould 12.00 AG

MOTOR HAND Robert Ashe 12.00 RA

FLOOR HAND Josh Abney 12.00 JA

FLOOR HAND Ken Stilborn 12.00 KS

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

8

DAY TOUR FROM 1200 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER CARL BREAUULT 12.00

DERRICK HAND AL MCGLASHAN 12.00

MOTOR HAND RICK KINSELLA 12.00

FLOOR HAND JASON IRVING 12.00

FLOOR HAND SEAN JONSON 12.00

LEASE HAND BERNARD BLANCHO 12.00 BB

LEASE HAND TERRY EDDIEAR 12.00 TE

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

8

Well Name & No. Apache Paramount Nogha B-23

Operator: APACHE CANADA LTD. Contractor: NABORS DRILLING

Surface Location: 66:32:05.69 N 125:40:33.24 W Unique ID: 300B236640125450

Signature of Operator's Representative: BILL MURRAY Signature of Contractor's Rig Manager: DALE HIGHBERG

Daily Checks: (1.) Daily Walk Around Inspection (2.) Detailed Inspection - Weekly (Using Check List) (3.) H2S Signs Posted if Required (4.) Well Licence & Stock Diagram Posted (5.) Flare Lines Staked (6.) BOP Data Functional (7.) Visually Inspect BOPs Flare Lines & Degasser Lines (8.) Rig Site Health & Safety Meeting (once/month) (9.) CADC Rig Safety Inspection Checklist (weekly/monthly) (10.) Mast Inspection before Raising or Lowering (11.) Crown Sewer Checked (12.) Motor Kils Checked

Drilling Crew Payroll Data: Well Name & No. Apache Paramount Nogha B-23 Year 2004 Month 2 Day 13 Operator APACHE CANADA LTD. Contractor NABORS DRILLING Rig Manager DALE HIGHBERG Rig No. 0062 Province N.W.T. Camp X YES NO Rig Safety Days 9

Drilling Crew Payroll Data: Morning Tour FROM 0 TO 1200 Injuries

Drilling Crew Payroll Data: Day Tour FROM 1200 TO 2400 Injuries

APACHE CANADA LTD.

NABORS DRILLING

66:32:05.69 N 125:40:33.24 W

300B236640125450

BILL MURRAY

DALE HIGHBERG

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LICENCE NO.	WELL NAME LOG					
Apache Paramount Nogha B-23						
OPERATOR APACHE CANADA LTD.			CONTRACTOR NABORS DRILLING			
SURFACE LOCATION 66:32:05.69 N 125:40:33.24 W			UNIQUE ID 300B236640125450			
SIGNATURE OF OPERATOR'S REPRESENTATIVE BILL MURRAY			SIGNATURE OF CONTRACTOR'S RIG MANAGER DALE HIGHBERG			
DAILY CHECKS (1.) Daily Walk Around Inspection (2.) Detailed Inspection - Weekly (Using Check List) (3.) H2S Signs Posted if Required (4.) Well Licence & Stick Diagram Posted (5.) Flare Lines Staked (6.) BOPD Data Performed (7.) Visually Inspect BOP's Flare Lines & Depresser Lines (1.) Rig Site Health & Safety Meeting (once per month) (2.) CAODC Rig Safety Inspection Checklist (one per month) (3.) Mast Inspection before Raising or Lowering (4.) Crown Saver Checked (5.) Motor Kites Checked						
LOG DATA RIG NO. 0062 FUEL @ 08:00 HRS BOILER TEMPERATURE CURRENT CONDITIONS WIND DIRECTION SEA CONDITION ICE						
RIG SPECIFICATIONS O.D. (mm) 339.7 I.D. (mm) 311.4 MASS (kg/m³) 101 GRADE K55 TOTAL LENGTH 60.53 KB TO CSG HEAD 4.45 SET AT (m) 60.00						
RENTALS / SERVICES SHALE SHAKER (S) CREW VEHICLE MORNING DAY						
DRILLING CREW PAYROLL DATA WELL NAME & NO. YEAR MONTH DAY OPERATOR CONTRACTOR RIG MANAGER RIG NO. PROVINCE CAMPAIGN YES NO RIG SAFETY DAYS						
MORNING TOUR FROM 0 TO 1200 INJURIES						
CREW SOC INS. NO. NAME HRS YES NO DRILLER CARL BREAUULT 12.00 CB DERRICK HAND AL MCGLASHAN 12.00 AM MOTOR HAND RICK KINSELLA 12.00 RK FLOOR HAND JASON IRVING 12.00 JI FLOOR HAND SEAN JONSON 12.00 SJ						
LEASE HAND TERRY EDDIEAR 12.00 TE						
RATE SCHEDULE X REGULAR REPAIR INVERT						
CREW SAFETY DAYS DRIVERS						
DAY TOUR FROM 1200 TO 2400 INJURIES						
CREW SOC INS. NO. NAME HRS YES NO DRILLER Marty Way 12.00 MW DERRICK HAND Anthony Woodford 12.00 AW MOTOR HAND CARL PRETTY 12.00 CP FLOOR HAND Keith Buchanam 12.00 KB FLOOR HAND Shane Wikison 12.00 SW LEASE HAND BERNARD BLANCHO 12.00 BB						
RATE SCHEDULE X REGULAR REPAIR INVERT						
CREW SAFETY DAYS DRIVERS						

LICENCE NO. WELL NAME & NO.
Apache Paramount Nogha B-23

OPERATOR
APACHE CANADA LTD.

CONTRACTOR
NABORS DRILLING

SURFACE LOCATION
66:32:05.69 N 125:40:33.24 W

UNIQUE ID
300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE
BILL MURRAY

SIGNATURE OF CONTRACTOR'S RIG MANAGER
DALE HIGHBERG

DAILY CHECKS
(1.) Daily Walk Around Inspection
(2.) Detailed Inspection - Weekly (Using Check List)
(3.) H2S Signs Posted if Required
(4.) Well Licence & Stick Diagram Posted
(5.) Flare Lines Staked
(6.) ROP Data Performed
(7.) Visually Inspect BOPM, Flare Lines & Degasser Lines
(8.) RIG Site Health & Safety Meeting (one/week/month)
(9.) GAOOC Rig Safety Inspection Checklist (one/week/month)
(10.) Mast Inspection before Raising or Lowering
(11.) Crown Saver Checked
(12.) Mast Kite Checked

DATE: 2004 MONTH: 2 DAY: 18

RIG NO. **0062**

FUEL @ 08:00 HRS
BOILER

TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

LAST CASING TUBING OR LINER
O.D. (mm) 339.7 I.D. (mm) 311.4 K12C (kg/m³) 101

MAKE GRADE JACOBI JOINTS TOTAL LENGTH KB TO CSG HEAD SET AT (m)
K55 3 60.53 4.45 60.00

NO. OF JOINTS PUMP TYPE PUMP MANUFACTURER STROKE LENGTH
A600PT OILWELL 203
A600PT OILWELL 203

SPUD DATE: 2004/02/08 TIME: 17:00

RIG RELEASE: 2004/03/20 TIME: 00:00

WELL TYPE: RE-ENTRY: OPERATOR'S AFE: NT040210

KELLY BSHG: OP FUEL: CONTRACTOR'S JOB NUM: 2961A

YOUR SHEET SERIAL NUM: VENDOR SOFTWARE VERSION: PASON

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	TOTALS	SHALE SHAKER (S)	RENTALS / SERVICES	MORNING	DAY
	RICUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE U.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING							NO. 1 TYPE SWACO	CREW VEHICLE		
MORN		0.75			3.75		0.25							4.00									1.75	1.50			12.00				
DAY					5.00	1.75	0.25																	3.50	1.50		12.00				
TOTAL		0.75			8.75	1.75	0.50						4.00										1.75	5.00	1.50		24.00				

NO. DRILLING ASSEMBLY (AT END OF TOUR) LENGTH

1 BIT O.D. 0.32 BIT NO. 3

1 BIT SUB 220 1.19 SIZE 311.0

2 MONEL 216 18.70 ADC CODE

1 D.C. 216 9.11 MANUFACTURER WESTERN

1 JAR 227 4.97 TYPE ATJ-S33C

1 X.O. 163 0.73 SERIAL NO. ZK23DM

1 X.O. 163 0.99 pH

14 D.C. 163 125.67 JETS

DEPTH OUT (m) 167.20

DEPTH IN (m) 165.20

TOTAL DRILLED (m) 2.00

TOTAL HRS RUN 0.75

CUTTING STRUCTURE

TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN m/Hr

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE SINGLES

KELLY DOWN 5.52

TOTAL 167.20

WT. OF D.C. 31

WT. OF STRING 31

MORNING TOUR

MUD RECORD

MUD TYPE WATER BASED ☒ OIL BASED ☐

TIME

DENSITY (kg/m³)

FUNNEL VISCOSITY

FLUID LOSS (cm³)

pH

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

CIRCULATION PRESSURE kPa

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

BOILERS

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

METRES DRILLED

FROM TO D-R-C RPM WOB

165.20 167.20 D 125 8

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

200 200 2.00 13 WAIT ON CEMENT R.I.H. TO 100m

400 400 2.00 13 WAIT ON CEMENT

400 515 1.25 22 TAG CEMENT STEAM KELLY

515 545 0.50 22 POLISH PLUG, NO CMT WASH TO BOTTOM NO RETURNS

545 715 1.50 23 MIX LCM PILL

715 800 0.75 2 DRILL 311mm HOLE FR 165.2m TO

800 1145 3.75 5 FINISH MIXING LCM PILL

1145 1200 0.25 7 RIG SERVICE

NOTES: FUNCTION CROWN SAVER AND VISUAL INSPECTION OF BRAKELINKAGE

SECOND BOILER 12 HRS

EACH CREW MEMBER READ 1/2 HOUR IN BEST PRACTICES MANUAL

400BBL 3200L

DRILLER SIGNATURE

CARL BREAUULT

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEHL

MACP

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Apache Paramount Nogha B-23 YEAR 2004 MONTH 2 DAY 18

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

RIG MANAGER DALE HIGHBERG RIG NO. 0062

PROVINCE N.W.T. CAMP ☒ YES ☐ NO RIG SAFETY DAYS 14

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER CARL BREAUULT 12.00 CB

DERRICK HAND AL MCGLASHAN 12.00 AM

MOTOR HAND RICK KINSELLA 12.00 RK

FLOOR HAND JASON IRVING 12.00 JI

FLOOR HAND SEAN JONSON 12.00 SJ

LEASE HAND TERRY EDDIEAR 12.00 TE

RATE SCHEDULE ☒ REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

14

DAY TOUR FROM 1200 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER Marty Way 12.00 MW

DERRICK HAND Anthony Woodford 12.00 AW

MOTOR HAND CARL PRETTY 12.00 CP

FLOOR HAND Keith Buchanam 12.00 KB

FLOOR HAND Shane Wilkison 12.00 SW

LEASE HAND BERNARD BLANCHO 12.00 BB

RATE SCHEDULE ☒ REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

14

RUNNING CEMENT PLUG

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

SURFACE LOCATION

66:32:05.69 N 125:40:33.24 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BILL MURRAY

CONTRACTOR

NABORS DRILLING

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DALE HIGHBERG

DAILY CHECKS

(1) Daily Walk Around Inspection

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

(3) 1125 Signs Posted if Required

(4) Well Licence & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Data Performed

(7) Visually Inspected BOPs - Flare Lines & Degasser Lines

(1) Rig Site Health & Safety Meeting (onshore/month)

(2) CAQDC Rig Safety Inspection Checklist (onshore/month)

(3) Mast Inspection before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kils Checked

YEAR

2004

MONTH

2

DAY

19

LAST CASING TUBING OR LINER

339.7

FUEL @ 08:00 HRS

311.4

MASS

101

GRADE

K55

NO. OF JOINTS

3

TOTAL LENGTH

60.53

SET AT (m)

4.45

STROKE LENGTH

60.00

TEMPERATURE

150

CURRENT CONDITIONS

4

WIND DIRECTION

6

ROAD CONDITION

ICE

SHALE SHAKER (S)

NO. 1

RENTALS / SERVICES

CREW VEHICLE

MORNING

80720

DAY

SPUD DATE

2004/02/19

TIME

17:00

RIG RELEASE

2004/03/20

TIME

00:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NT040210

KELLY BSHG

12

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

PASON

CODE NO.

1

2

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TOTALS

12.00

12.00

24.00

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

3

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

0

30

0.50

6

300

2.50

22

WAIT ON PILL TO SET UP

300

530

2.50

5

WAIT ON POLY PILL TO SET UP, MIX AND PREPARE SECOND POLY PILL

530

1145

6.25

23

STEAM KELLY HOSE REMOVE FROM GOOSE NECK & STEAM

1145

1200

0.25

7

RIG SERVICE

BIT SUB

220

1.19

SIZE

311.0

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

JETS

O

P

E

N

DEPTH OUT (m)

167.20

DEPTH IN (m)

165.20

TOTAL DRILLED (m)

2.00

TOTAL HRS RUN

0.75

CUTTING STRUCTURE

T1

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN IN/HR

DRILL PIPE STANDS

5.52

DRILL PIPE SINGLES

KELLY DOWN

5.52

TOTAL

167.20

WT. OF D.C.

31

WT. OF STRING

31

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

3

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

0

30

0.50

6

300

2.50

22

WAIT ON PILL TO SET UP

300

530

2.50

5

WAIT ON POLY PILL TO SET UP, MIX AND PREPARE SECOND POLY PILL

530

1145

6.25

23

STEAM KELLY HOSE REMOVE FROM GOOSE NECK & STEAM

1145

1200

0.25

7

RIG SERVICE

BIT SUB

220

1.19

SIZE

311.0

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

JETS

O

P

E

N

DEPTH OUT (m)

167.20

DEPTH IN (m)

165.20

TOTAL DRILLED (m)

2.00

TOTAL HRS RUN

0.75

CUTTING STRUCTURE

T1

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN IN/HR

DRILL PIPE STANDS

5.52

DRILL PIPE SINGLES

KELLY DOWN

5.52

TOTAL

167.20

WT. OF D.C.

31

WT. OF STRING

31

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

3

MUD TYPE

WATER BASED

OIL BASED

FROM

TO

D-R-C

RPM

WOB

TIME

0

30

0.50

6

300

2.50

22

WAIT ON PILL TO SET UP

300

530

2.50

5

WAIT ON POLY PILL TO SET UP, MIX AND PREPARE SECOND POLY PILL

530

1145

6.25

23

STEAM KELLY HOSE REMOVE FROM GOOSE NECK & STEAM

1145

1200

0.25

7

RIG SERVICE

BIT SUB

220

1.19

SIZE

311.0

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

JETS

O

P

E

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0.75

CUTTING STRUCTURE

T1

To

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN IN/HR

DRILL PIPE STANDS

5.52

DRILL PIPE SINGLES

KELLY DOWN

5.52

TOTAL

167.20

WT. OF D.C.

31

WT. OF STRING

31

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TOTAL DRILLED (m)

Form containing multiple sections: Apache Paramount Nogha B-23, Daily Checks, Operator Information, Rig Release, Well Type, Operators AFE, Kelly BSHG, Contractor's Job Num, Tour Sheet Serial Num, Vendor Software Version, Drilling Crew Payroll Data, Morning Tour, Time Log, Mud Record, Metres Drilled, Day Tour, and Crew Safety Days.

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

CONTRACTOR

APACHE CANADA LTD.

NABORS DRILLING

SURFACE LOCATION

UNIQUE ID

66:32:05.69 N 125:40:33.24 W

300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

BILL MURRAY

DALE HIGHBERG

DAILY CHECKS

(1.) Daily Walk Around Inspection

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

(3.) VDS Signs Posted if Required

(4.) Well Licence & Stack Diagram Posted

(5.) Flare Lines Staked

(6.) BOP Drills Performed

(7.) Visually Inspected BOPs: Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (one/twice/month)

(2.) KADOC Rig Safety Inspection Checklist (one/twice/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kils Checked

YEAR 2004

MONTH 2

DAY 22

HRS 0062

FUEL @ 08:00 HRS

TEMPERATURE -25

CURRENT CONDITIONS

WIND DIRECTION N.W.

ROAD CONDITION IC

LAST CASING TUBING OR LINER

339.7

311.4

101

MAKE

GRADE

NO. OF JOINTS

TOTAL LENGTH

KB TO CSG HEAD

SET AT (m)

RIG NO.

BOILER

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE THREAD

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

RE-ENTRY

00:00

WELL TYPE

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

OPERATOR

CONTRACTOR

RIG MANAGER

PROVINCE

CAMP

RIG SAFETY DAYS

APACHE CANADA LTD.

NABORS DRILLING

DALE HIGHBERG

N.W.T.

X

YES

NO

18

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

Apache Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

22

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO.

0062

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

18

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

18

DRIVERS

DAY TOUR

FROM 1200

TO 2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Andy Kambites

12.00

AK

DERRICK HAND

Aaron Tracy Gould

12.00

AG

MOTOR HAND

Robert Ashe

12.00

RA

FLOOR HAND

Josh Abney

12.00

JA

FLOOR HAND

Ken Stilborn

12.00

KS

DERRICK HAND

JASON ZELLER

12.00

JZ

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

18

DRIVERS

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEHL

MACP

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEHL

MACP

[illegible]

[illegible]

[illegible]



PASON

OPERATOR	CONTRACTOR
APACHE CANADA LTD.	NABORS DRILLING
SURFACE LOCATION	UNIQUE ID
66:32:05.69 N 125:40:33.24 W	300B236640125450
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
BILL MURRAY	DALE HIGHBERG

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

- (1.) Rig Site Health & Safety Meeting (one/crew/month)
- (2.) CADCOD Rig Sales Inspection Checklist (one/month)
- (3.) Mast Inspection before Raising or Lowering
- (4.) Crown Saver Checked
- (5.) Motor Kilts Checked

[illegible]

SPUD DATE	2004/02/06	TIME	17:00
RIG RELEASE	2004/03/20	TIME	00:00
WELL TYPE		RE-ENTRY	
OPERATORS AFE	NT040210		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	2961A		
TOOL SHEET SERIAL NUM			

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	TOTALS	SHALE SHAKER (S)		RENTALS / SERVICES		MORNING	DAY
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & GRG	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLEG LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	MIX/PILL							NO. TYPE	TYPE	CREW VEHICLE	80720	
MORN						1.00	0.25														0.25	10.25	0.25					12.00	SCREENS CHANGED	NEW/USED	LOADER		
DAY						1.25	0.25					0.25	1.75								0.25	6.25	2.00					12.00	110	MIDDLE	MIDDLE		
TOTAL						2.25	0.50					0.25	1.75								0.50	16.50	2.25					24.00	R4	BOTTOM	BOTTOM		

VENDOR SOFTWARE VERSION					
DRILLING CREW PAYROLL DATA					
WELL NAME & NO.			YEAR	MONTH	DAY
Apache Paramount Nogha B-23			2004	2	26
OPERATOR			CONTRACTOR		
APACHE CANADA LTD.			NABORS DRILLING		
RIG MANAGER				RIG NO.	
DALE HIGHBERG				0062	
PROVINCE	CAMP	☒ YES	☐ NO	RIG SAFETY DATS	
ALBERTA					

DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				MORNING TOUR				MUD RECORD				METRES DRILLED				TIME LOG														
BIT		O.D.	0.32	BIT NO.		4		MUD TYPE		WATER BASED ☐ OIL BASED ☐		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS			
BIT SUB		220	1.19	SIZE		311.0		TIME														0		330		3.50		22		MIX POLY PILL			
D.C.		216	17.85	MOC CODE		5 4 7		DENSITY (kg/m ³)														330		500		1.50		22		PUMP 15m3 OF POLY PLUG			
X.O.		163	0.73	MANUFACTURER		WESTERN		FUNNEL VISCOSITY														500		600		1.00		6		TRIPS(POOH,BLOW KELLY,KNOCK OFF KELLY HOSE)			
X.O.		163	0.99	TYPE		HRS44		FLUID LOSS (cm ³)														600		700		1.00		22		WAIT ON POLY PLUG			
D.C.		163	144.47	SERIAL NO.		6006514		pH														700		715		0.25		21		SAFETY MTG., PELD PRETOUR SAFETY MEETING			
				OPEN																		715		1100		3.75		22		WAIT ON POLY PLUG			
				JETS																		1100		1115		0.25		7		RIG SERVICE			
																						1115		1145		0.50		22		WAIT ON POLY PLUG			
																						1145		1200		0.25		23		PUMP LCM PILL INTO HOLE			
				DEPTH OUT (m)		530.00		MUD MATERIALS ADDED				SOLIDS CONTROL		CIRCULATION PRESSURE KPa		PUMP NO. 1		PUMP NO. 2															
				DEPTH IN (m)		371.00		PRODUCT		AMOUNT		UNIT		CENTRIFUGE		LINER SIZE		SPM		LINER SIZE		SPM											
				TOTAL DRILLED (m)		159.00		MAGMA FIBRE		112		SX		HOURS RUN		INTAKE DENSITY (kg/m ³)		OVER FLOW DENSITY		UNDER FLOW DENSITY													
				TOTAL HRS RUN		30.50		PRIMA SEAL C		55		SX		HOURS RUN		INTAKE DENSITY (kg/m ³)		OVER FLOW DENSITY		UNDER FLOW DENSITY													
				CUTTING STRUCTURE				PRIMA SEAL M		90		SX		HOURS RUN		INTAKE DENSITY (kg/m ³)		OVER FLOW DENSITY		UNDER FLOW DENSITY													
				TI		T ₆		MDC		LOC		BRG		GAGE		ODC		REASON PULLED		TOTAL RUN (HRS)													
								CELLOPHANE		76		SX		HOURS RUN		INTAKE DENSITY (kg/m ³)		OVER FLOW DENSITY		UNDER FLOW DENSITY													
								KWIK SEAL		20		SX		0.00																			
								KWIK SEAL (M)		44		SX																					
				HOLE CONDITION				GEL		115		SX		1		2																	
12 DRILL PIPE STANDS		346.91		HOLE DRAG				ULTRA SEAL		97		SX		HRS RUN		12.00		HRS RUN															
1 DRILL PIPE SINGLES		9.65						ACTIVATOR ULTRA		7		quart		BOILER pH		10.5		BOILER pH															

[illegible]

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD								DAY TOUR						MUD RECORD				METRES DRILLED							TIME LOG								
1	BIT	O.D.	0.32	BIT NO.		4				MUD TYPE	☐ WATER BASED ☐ OIL BASED ☐		FROM		TO		D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS												
1	BIT SUB	220	1.19	SIZE		311.0				TIME											1200	1815	6.25	22	MIX SWEEP											
2	D.C.	216	17.85	ADC CODE		5	4	7		DENSITY (kg/m ³)											1815	2015	2.00	23	PUMP SWEEP,TOP 20SX OF ENVIRO PLUG DOWN HOLE											
1	X.O.	163	0.73	MANUFACTURER		WESTERN				FUNNEL VISCOSITY											2015	2030	0.25	21	SAFETY MTG. WITH CEMENTERS											
1	X.O.	163	0.99	TYPE		HRS44				FLUID LOSS (cm ³)											2030	2045	0.25	6	TRIPS(R/H TO 100m)											
16	D.C.	163	144.47	SERIAL NO.		6006514				PH											2045	2100	0.25	12	RIG IN CEMENTERS,PUMP PLUG)											
				JETS		OPEN															2100	2130	0.50	6	TRIPS(POOH)											
				DEPTH OUT (in)		530.00				MUD MATERIALS ADDED				CIRCULATION PRESSURE kPa		PUMP NO. 1		PUMP NO. 2		2130	2145	0.25	7	RIG SERVICE(FUNCTION DIVERTER 10 SECS TO CLOSE)												
				DEPTH IN (in)		371.00				PRODUCT		AMOUNT	UNIT	CENTRIFUGE		UNER SIZE		SPM		2145	2330	1.75	13	WAIT ON CEMENT												
				TOTAL DRILLED (m)		159.00				PRIMA SEAL C		95	SX	HOURS RUN	INTAKE DENSITY (kg/m ³)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED		2330	2400	0.50	6	TRIPS(R/H TO TRY TO TAG CEMENT PLUG)												
				TOTAL HRS RUN		30.50				PRIMA SEAL M		40	SX																							
				CUTTING STRUCTURE						CELLOPHANE		67	SX																							
				T1	Td	MDC	LOC	BRG	GAGE	COC	REASON PULLED	TOTAL RUN (HR)	KWK SEAL (M)	14	SX			DEVIATION SURVEYS																		
				HOLE CONDITION						KWKSEAL		60	SX					DEPTH (m)		DEVIATION	DIRECTION															
										MAGMA FIBRE		20	SX	BOILERS										NOTES : VISUALLY INSPECTED BRAKE LINKAGES, SECOND BOILER RAN FOR 12 HRS.												
12	DRILL PIPE STANDS	346 B1		HOLE DRAG						GEL		6	SX	1	2																					
1	DRILL PIPE SINGLES	3.65								LIME		2	SX	HRS RUN	12.00	HRS RUN																				
KELLY DOWN			7.89											BOILER PH	10.5	BOILER PH																				
TOTAL			530.00	TORQUE AT BOTTOM																																
WT. OF D.C.			30	FILL ON BOTTOM (in)										STACK TEMP	300	STACK TEMP		DRILLER SIGNATURE		SPECIAL EVENT					SAFETY TOPIC		MEHL	MACP								
WT. OF STRING			35															Andy Kamblis		TIME / DEPTH							MOVING LCM	14	0							

[illegible]

DRILLING CREW PAYROLL DATA									
WELL NAME & NO.					YEAR		MONTH		DAY
Apache Paramount Nogha B-23					2004		2		28
OPERATOR					CONTRACTOR				
APACHE CANADA LTD.					NABORS DRILLING				
RIG MANAGER					RIG NO.				
DALE HIGBERG					0062				
PROVINCE			CAMP		X YES		NO		RIG SAFETY DAYS
N.W.T.									74

[illegible][illegible]



PASON

DRILLING CREW PAYROLL DATA						
WELL NAME & NO.		YEAR		MONTH	DAY	
Apache Paramount Nogha B-23		2004		2	29	
OPERATOR		CONTRACTOR				
APACHE CANADA LTD.		NABORS DRILLING				
RIG MANAGER		RIG NO.				
DALE HIGBERG		0062				
PROVINCE	CAMP		☒ YES	☐ NO	RIG SAFETY DATS	
N.W.T.					75	

[illegible]

DAY TOUR		FROM	1200	TO	2400	INJURIES		
CREW	SOC INS. NO.	NAME		HRS		YES	NO	
DRILLER		CARL BREAU LT		12.00			CB	
DERRICK HAND		AL MCGLASHAN		12.00			AM	
DERRICK HAND		Anthony Woodford		12.00			AW	
FLOOR HAND		JASON IRVING		12.00			JJ	
FLOOR HAND		SEAN JONSON		12.00			SJ	
LEASE HAND		TERRY EDDIEAR		12.00			TE	
</								

LICENCE NO.		WELL NAME & NO.		Apache Paramount Nogha B-23	
OPERATOR		CONTRACTOR			
APACHE CANADA LTD.		NABORS DRILLING			
SURFACE LOCATION		UNIQUE ID			
66:32:05.69 N 125:40:33.24 W		300B236640125450			
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER			
BILL MURRAY		DALE HIGHBERG			
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	
TOTALS		24.00		24.00	
TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS			
1200		1615		4.25	
1615		1630		0.25	
1630		1730		1.00	
1730		1900		1.50	
1900		1915		0.25	
1915		2115		2.00	
2115		2130		0.25	
2130		0		2.50	
0		12		12	
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Apache Paramount Nogha B-23

APACHE CANADA LTD. NABORS DRILLING

66:32:05.69 N 125:40:33.24 W 300B236640125450

BILL MURRAY DALE HIGHBERG

DRILLING CREW PAYROLL DATA

DRILLER: Andy Kambites

DRILLER: CARL BREAUULT

APACHE CANADA LTD.

66:32:05.69 N 125:40:33.24 W

BILL MURRAY

CONTRACTOR

NABORS DRILLING

300B236640125450

DALE HIGHBERG

DAILY CHECKS

(1) Daily Well Around Inspection

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

(3) H2S Signs Posted if Required

(4) Well Licence & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Data Performed

(7) Visually Inspected BOPs - Flare Lines & Degasser Lines

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

(2) CADC Rig Safety Inspection Checklist (one/crew/month)

(3) Mast Inspection before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kils Checked

OPERATOR

CONTRACTOR

UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

TIME

00:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

203

VENDOR SOFTWARE VERSION

APACHE PARAMOUNT NOGHA B-23

WELL NAME & NO.

YEAR

2004

MONTH

3

DAY

3

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG NO.

0062

RIG MANAGER

DALE HIGHBERG

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

28

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

APACHE PARAMOUNT NOGHA B-23

YEAR

2004

MONTH

3

DAY

3

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG NO.

0062

RIG MANAGER

DALE HIGHBERG

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

28

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Andy Kambites

12.00

AK

DERRICK HAND

Aaron Tracy Gould

12.00

AG

MOTOR HAND

Robert Ashe

12.00

RA

FLOOR HAND

Josh Abney

12.00

JA

FLOOR HAND

Ken Stilborn

12.00

KS

2ND DERRICK HAND

JASON ZELLER

12.00

JZ

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

APACHE PARAMOUNT NOGHA B-23

YEAR

2004

MONTH

3

DAY

3

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG NO.

0062

RIG MANAGER

DALE HIGHBERG

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

28

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Carl Breault

12.00

CB

DERRICK HAND

AL MGLASHAN

12.00

AM

DERRICK HAND

Anthony Woodford

12.00

AW

FLOOR HAND

JASON IRVING

12.00

JJ

FLOOR HAND

SEAN JONSON

12.00

SJ

LEASE HAND

TERRY EDDIEAR

12.00

TE

APACHE CANADA LTD.

66:32:05.69 N 125:40:33.24 W

BILL MURRAY

CONTRACTOR

NABORS DRILLING

300B236640125450

DALE HIGHBERG

DAILY CHECKS

(1) Daily Well Around Inspection

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

(3) H2S Signs Posted if Required

(4) Well Licence & Stick Diagram Posted

(5) Flare Lines Staked

(6) BOP Data Performed

(7) Visually Inspected BOPs - Flare Lines & Degasser Lines

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

(2) CADC Rig Safety Inspection Checklist (one/crew/month)

(3) Mast Inspection before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kils Checked

OPERATORCONTRACTORUNIQUE IDSIGNATURE OF OPERATOR'S REPRESENTATIVESIGNATURE OF CONTRACTOR'S RIG MANAGER

SPUD DATE2004/02/08TIME17:00RIG RELEASE2004/03/20TIME00:00WELL TYPERE-ENTRYOPERATOR'S AFENT040210KELLY BSHGOP FUELCONTRACTOR'S JOB NUM2961ATOUR SHEET SERIAL NUM203VENDOR SOFTWARE VERSION

APACHE PARAMOUNT NOGHA B-23WELL NAME & NO. YEAR2004 MONTH3 DAY3 OPERATORAPACHE CANADA LTD. CONTRACTORNABORS DRILLING RIG NO.0062 RIG MANAGERDALE HIGHBERG PROVINCEN.W.T. CAMPX YES NO RIG SAFETY DAYS28

DRILLING CREW PAYROLL DATAWELL NAME & NO. APACHE PARAMOUNT NOGHA B-23 YEAR2004 MONTH3 DAY3 OPERATORAPACHE CANADA LTD. CONTRACTORNABORS DRILLING RIG NO.0062 RIG MANAGERDALE HIGHBERG PROVINCEN.W.T. CAMPX YES NO RIG SAFETY DAYS28 CREWSOC INS. NO. NAMEHRS YES NO DRILLERAndy Kambites12.00 AK DERRICK HANDAaron Tracy Gould12.00 AG MOTOR HANDRobert Ashe12.00 RA FLOOR HANDJosh Abney12.00 JA FLOOR HANDKen Stilborn12.00 KS 2ND DERRICK HANDJASON ZELLER12.00 JZ

DRILLING CREW PAYROLL DATAWELL NAME & NO. APACHE PARAMOUNT NOGHA B-23 YEAR2004 MONTH3 DAY3 OPERATORAPACHE CANADA LTD. CONTRACTORNABORS DRILLING RIG NO.0062 RIG MANAGERDALE HIGHBERG PROVINCEN.W.T. CAMPX YES NO RIG SAFETY DAYS28 CREWSOC INS. NO. NAMEHRS YES NO DRILLERCarl Breault12.00 CB DERRICK HANDAL MGLASHAN12.00 AM DERRICK HANDAnthony Woodford12.00 AW FLOOR HANDJASON IRVING12.00 JJ FLOOR HANDSEAN JONSON12.00 SJ LEASE HANDTERRY EDDIEAR12.00 TE

WELL NAME & NO. Apache Paramount Nogha B-23

CONTRACTOR NABORS DRILLING

APACHE CANADA LTD.

66:32:05.69 N 125:40:33.24 W

BILL MURRAY

DALE HIGHBERG

300B236640125450

DALE HIGHBERG

0062

FUEL @ 08:00 HRS

153

BOILER

TEMPERATURE

CURRENT CONDITIONS

CLEAR

WIND DIRECTION

CALM

ROAD CONDITION

KCE

SHAPE SHAKER (S)

RENTALS / SERVICES

MORNING

DAY

81300

CREW VEHICLE

LOADER

NO. 1

TYPE

SWACO

SCREENS CHANGED

NEW USED

TOP

MIDDLE

BOTTOM

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FIX PRESSURE TESTING UNIT.

TEST VALVES IN MANIFOLD SHACK, OUT SIDE HCR, HYDRAULIC HCR

TEST MANUAL AND REMOTE CHOKE, 1200 LOW, 21000 HIGH

FILL SWEEP LINE WITH GLYCOL, SET UP VALVES IN MANIFOLD SHACK

SAFETY MTG., HELD SAFETY MEETING PRIOR TO PICKING UP TOOLS

PICK UP DIR TOOLS, MAKE UP BIT AND BHA.

TRIPS/RUN COLLARS IN HOLE LAY DOWN ONE COLLAR AND TWO DRILL PIPE

TEST B.O.P. PRESSURE TEST ANNULAR, LOWER KELLY VALVE, HYD HCR

INSIDE KILL LINE VALVE 1400KPA LOW, 14,500 KPA HIGH

RIG SERVICE

NOTES: SECOND BOILER RAN FOR 12 hrs., RIG FUEL @ 153

FUEL IN 400 bbl @ 28 000 L

DRILLER SIGNATURE

Andy Kamblites

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEH

MACP

PRESSURE TESTING

DAY TOUR

FROM 1200 TO 2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

CARL BREAU

12.00

CB

DERRICK HAND

AL MCGLASHAN

12.00

AM

DERRICK HAND

Anthony Woodford

12.00

AW

FLOOR HAND

JASON IRVING

12.00

JI

FLOOR HAND

SEAN JONSON

12.00

SJ

LEASE HAND

TERRY EDDIEAR

12.00

TE

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

29

Apache Paramount Nogha B-23

APACHE CANADA LTD. NABORS DRILLING

66:32:05.69 N 125:40:33.24 W 300B236640125450

BILL MURRAY DALE HIGHBERG

DAILY CHECKS

DRILLING CREW PAYROLL DATA

MORNING TOUR

DAY TOUR

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER: Andy Kambites

DERRICK HAND: Aaron Tracy Gould

MOTOR HAND: Robert Ashe

FLOOR HAND: Josh Abney

FLOOR HAND: Ken Stilborn

2ND DERRICK HAND: JASON ZELLER

DRILLER: Marty Way

DERRICK HAND: Anthony Woodford

MOTOR HAND: CARL PRETTY

FLOOR HAND: Sedman Coles

FLOOR HAND: Boyd Butt

LEASE HAND: Jack Walker

LEASE HAND: Gerald Pierrot

WELL NAME & NO. Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

SURFACE LOCATION 66:32:05.69 N 125:40:33.24 W SIGNATURE OF OPERATOR'S REPRESENTATIVE BILL MURRAY

UNIQUE ID 300B236640125450 SIGNATURE OF CONTRACTOR'S RIG MANAGER DALE HIGHBERG

DAILY CHECKS

1. Daily Walk Around Inspection

2. Detailed Inspection - Weekly (Using Check List)

3. H2S Signs Posted / Required

4. Well Licence & Stick Diagram Posted

5. Flare Lines Stated

6. BOP Data Performed

7. Visually Inspected BOPs - Flame Lines & Degasser Lines

8. Rig Site Health & Safety Meeting (once/week/month)

9. CADCOC Rig Site Inspection Checklist (once/week/month)

10. Mast Inspection before Raising or Lowering

11. Crown Saver Checked

12. Motor Kils Checked

YEAR 2004 MONTH 3 DAY 6

RIG NO. 0062

FUEL @ 08:00 HRS

BOILER

Q.D. (mm) 339.7

M.N.D. (mm) 311.4

MASS (kg/m3) 101

MAKE K55

GRADE 3

NO. OF JOINTS 60.53

TOTAL LENGTH 4.45

KB TO CSG HEAD 60.00

SET AT (m) 604.00

Q.D. (mm) 244.5

M.N.D. (mm) 228.0

MASS (kg/m3) 59.1

MAKE L80

GRADE 45

NO. OF JOINTS 605.31

TOTAL LENGTH 4.40

KB TO CSG HEAD 604.00

SET AT (m) 203

Q.D. (mm) 4

M.N.D. (mm) 25.68

MASS (kg/m3) 106

MAKE SS 106

GRADE 82

NO. OF JOINTS 98

TOTAL LENGTH 4.5

KB TO CSG HEAD 203

SET AT (m) 203

Q.D. (mm) 6

M.N.D. (mm) 143.00

MASS (kg/m3) 65

MAKE 165

GRADE 4.5 H90

NO. OF JOINTS A600PT

TOTAL LENGTH OILWELL

KB TO CSG HEAD 203

SET AT (m) 203

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

ICE

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

RIG MANAGER DALE HIGHBERG

RIG NO. 0062

PROVINCE N.W.T. CAMP YES NO RIG SAFETY DAYS 31

DRILLING CREW PAYROLL DATA

CREW SOC INS. NO. NAME HRS YES NO

DRILLER CARL BREault 12.00 CB

DERRICK HAND AL MCGLASHAN 12.00 AM

MOTOR HAND Kevin Scherter 12.00 KS

FLOOR HAND JASON IRVING 12.00 JI

FLOOR HAND SEAN JONSON 12.00 SJ

LEASE HAND TERRY EDDIEAR 12.00 TE

LEASE HAND Gerald Pierrot 12.00 GP

DRILLING CREW PAYROLL DATA

CREW SOC INS. NO. NAME HRS YES NO

DRILLER Marty Way 12.00 MW

DERRICK HAND Anthony Woodford 12.00 AW

MOTOR HAND CARL PRETTY 12.00 CP

FLOOR HAND Sedman Coles 12.00 SC

FLOOR HAND Boyd Butt 12.00 BB

LEASE HAND Jack Walker 12.00 JW

LEASE HAND BERNARD BLANCHO 12.00 BB

Form containing various sections: Apache Paramount Nogha B-23, DAILY CHECKS, RIG NO. 0062, FUEL @ 08:00 HRS, SHALE SHAKER (S), RENTALS / SERVICES, MORNING TOUR, MUD RECORD, METRES DRILLED, TIME LOG, DRILLING CREW PAYROLL DATA, and various data entry fields for rig parameters, crew details, and operational logs.

Apache Paramount Nogha B-23

APACHE CANADA LTD. NABORS DRILLING

66:32:05.69 N 125:40:33.24 W 300B236640125450

BILL MURRAY DALE HIGHBERG

33

33

Apache Paramount Nogha B-23

OPERATOR: APACHE CANADA LTD. CONTRACTOR: NABORS DRILLING

SURFACE LOCATION: 66:32:05.69 N 125:40:33.24 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE: BILL MURRAY

SIGNATURE OF CONTRACTOR'S RIG MANAGER: DALE HIGHBERG

DAILY CHECKS

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE: CARL BREAU

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE: Marty Way



PASON

SPUD DATE: 2004/02/08 TIME: 17:00

RIG RELEASE: 2004/03/20 TIME: 00:00

WELL TYPE: RE-ENTRY

OPERATOR'S A/E: NT040210

KELLY BSHG: OF FUEL

CONTRACTOR'S JOB NUM: 2961A

TOUR SHEET SERIAL NUM: 0062

VENDOR SOFTWARE VERSION:

DRILLING CREW PAYROLL DATA

WELL NAME & NO.: Apache Paramount Nogha B-23

YEAR: 2004 MONTH: 3 DAY: 9

OPERATOR: APACHE CANADA LTD. CONTRACTOR: NABORS DRILLING

RIG MANAGER: DALE HIGHBERG RIG NO.: 0062

PROVINCE: N.W.T. CAMP: ☒ YES ☐ NO RIG SAFETY DAYS: 34

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		CARL BREAU	12.00		CB
DERRICK HAND		AL MCGLASHAN	12.00		AM
MOTOR HAND		Kevin Scherser	12.00		KS
FLOOR HAND		JASON IRVING	12.00		JI
FLOOR HAND		SEAN JONSON	12.00		SJ
LEASE HAND		TERRY EDDIEAR	12.00		TE
LEASE HAND		Gerald Pierrot	12.00		GP

RATE SCHEDULE: REGULAR ☐ REPAIR ☒ INVERT ☐

CREW SAFETY DAYS: 34

DAY TOUR FROM 1200 TO 2400 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Marty Way	12.00		MW
DERRICK HAND		Anthony Woodford	12.00		AW
MOTOR HAND		CARL PRETTY	12.00		CP
FLOOR HAND		Sedman Coles	12.00		SC
FLOOR HAND		Boyd Butt	12.00		BB
LEASE HAND		Jack Walker	12.00		JW
LEASE HAND		BERNARD BLANCHO	12.00		BB

RATE SCHEDULE: REGULAR ☐ REPAIR ☒ INVERT ☐

CREW SAFETY DAYS: 34

OPERATOR	CONTRACTOR
APACHE CANADA LTD.	NABORS DRILLING
SURFACE LOCATION	UNIQUE ID
66:32:05.69 N 125:40:33.24 W	300B236640125450
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
BILL MURRAY	DALE HIGHBERG

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

- (1.) Rig Site Health & Safety Meeting (once/crew/month)
- (2.) CAODC Rig Safety Inspection Checklist (once/month)
- (3.) Mast Inspection before Raising or Lowering
- (4.) Crown Saver Checked
- (5.) Motor Kits Checked

[illegible]

SPUD DATE	2004/02/08	TIME	17:00
RIG RELEASE	2004/03/20	TIME	00:00
WELL TYPE	RE-ENTRY		
OPERATOR'S AFE		NT040210	
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM		2961A	
TOUR SHEET SERIAL NUM			



PASON

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
	RIG UP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CDS & CEMENT	WAIT ON CEMENT	NIPPLE UP & D.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING					
MORN		11.00					0.25			0.50											0.25					
DAY		11.50					0.25			0.25																
TOTAL		22.50					0.50			0.75											0.25					

	SHALE SHAKER (S)			RENTALS / SERVICES		MORNING	DAY
TOTALS	NO.	TYPE	TYPE	CREW CAB (red)		25251	
		BRAND					
	SCREENS	CHANGED	NEW/USED	LOADER		3786	
12.00	50	TOP	TOP				
12.00		MIDDLE	MIDDLE				
		BOTTOM	BOTTOM				

VENDOR SOFTWARE VERSION			
DRILLING CREW PAYROLL DATA			
WELL NAME & NO		YEAR	MONTH
Apache Paramount Nogha B-23		2004	3
OPERATOR		DAY	
APACHE CANADA LTD.		11	
CONTRACTOR		NABORS DRILLING	
RIG MANAGER		RIG NO.	
DALE HIGHBERG		0062	
PROVINCE	CANAD		

[illegible][illegible][illegible][illegible][illegible][illegible]

APACHE CANADA LTD. NABORS DRILLING

300B236640125450

DALE HIGHBERG

DRILLING CREW PAYROLL DATA

DRILLER: CARL BREAU

DRILLER: Marty Way

Form containing various sections: DAILY CHECKS, OPERATOR, CONTRACTOR, SURFACE LOCATION, SIGNATURE OF OPERATOR'S REPRESENTATIVE, SIGNATURE OF CONTRACTOR'S RIG MANAGER, CODE NO., DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, METRES DRILLED, TIME LOG, DRILLING CREW PAYROLL DATA, and CREW SAFETY DAYS.

LICENCE NO. WELL NAME & NO. Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

SURFACE LOCATION 66:32:05.69 N 125:40:33.24 W UNIQUE ID 300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE BILL MURRAY SIGNATURE OF CONTRACTOR'S RIG MANAGER DALE HIGHBERG

DAILY CHECKS (1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well Licence & Stock Diagram Posted (5) Frame Lines Striked (6) BOP Data Performed (7) Visually Inspect BOPs-Flare Lines & Depresser Lines (8) Rig Site Health & Safety Meeting (one/one/one/month) (9) CAODC Rig Safety Inspection Checklist (one/one/one/month) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) Motor Kils Checked

YEAR 2004 MONTH 3 DAY 14 LAST CASING TUBING OR LINER 0062 FUEL @ 08:00 HRS

QPR R.M. BM DH 100 TEMPERATURE 25 CURRENT CONDITIONS CLOUDY WIND DIRECTION NORTH ROAD CONDITION ICE

DC/DP 4 25.68 SS 105 82 98 XT 39 A600PT OILWELL 203 6 143.00 65 165 4.5 H90 A600PT OILWELL 203

SHALE SHAKER (S) RENTALS / SERVICES MORNING DAY

SPUD DATE 2004/02/08 TIME 17:00 RIG RELEASE 2004/03/20 TIME 00:00

WELL TYPE REENTRY OPERATOR'S AFE NT040210 KELLY BSHG OF FUEL CONTRACTOR'S JOB NUM 2961A TOUR SHEET SERIAL NUM VENDOR SOFTWARE VERSION

PASON

CODE NO.	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	TOTALS	SHALE SHAKER (S)		RENTALS / SERVICES		MORNING	DAY		
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	WIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	WONCRAVER						NO. 1	TYPE	TYPE	CREW CAB (red)			
MORN					1.50	4.75	0.25		1.00		3.25											1.25				12.00								
DAY			0.25		2.00	7.50	0.25				2.00															12.00								
TOTAL			0.25		3.50	12.25	0.50		1.00		5.25											1.25				24.00								

NO. 1 DRILLING ASSEMBLY (AT END OF TOUR) LENGTH BIT RECORD MORNING TOUR MUD RECORD METRES DRILLED TIME LOG

1 BIT BIT SUB 165 0.83 SIZE 216.0

15 D.C. 165 135.40 WDC CODE 5 3 7

1 X.O. 165 0.99 MANUFACTURER HUGHES

TYPE hx-630

SERIAL NO. 6012868

PH

JETS 0 P

8 n

DEPTH OUT (m) 1476.00

DEPTH IN (m) 1456.80

TOTAL DRILLED (m) 19.20

TOTAL HRS RUN 6.75

CUTTING STRUCTURE

T1 T2 MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN (HRS)

HOLE CONDITION

DRILL PIPE STANDS 1330 18

DRILL PIPE SINGLES

KELLY DOWN 8.26

TOTAL 1476.00

WT. OF D.C. 22

WT. OF STRING 46

MUD TYPE WATER BASED OIL BASED X

TIME 200

DENSITY (kg/m3) 1190

FUNNEL VISCOSITY 165

FLUID LOSS (cm3) pH

MUD MATERIALS ADDED

PRODUCT AMOUNT UNIT

BARITE 19 SX

CAL CARB FIG 40 SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN INTAKE DENSITY OVER FLOW DENSITY UNDER FLOW DENSITY

0.00

INTAKE DENSITY OVER FLOW DENSITY UNDER FLOW DENSITY

0.00

BOILERS

1 2

HRS RUN 12.00 HRS RUN

BOILER PH 11.0 BOILER PH

STACK TEMP 320 STACK TEMP

REDUCED PUMP SPEED

2850 @ 51

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

NOTES: FUNCTION CROWN SAVER AND VISUAL INSPECTION OF BRAKELINKAGE

SECOND BOILER 12 HRS

FUEL @ 08:00 HRS (ADDED FUEL TO RIG TANK 65cm TO 100cm 400 BBL 13,000 LITRES)

DRILLER SIGNATURE CARL BREAU

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC MFL MGP

TRIPPING 45 4514

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Apache Paramount Nogha B-23 YEAR 2004 MONTH 3 DAY 14

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

RIG MANAGER DALE HIGHBERG RIG NO. 0062

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 39

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		CARL BREAU	12.00		CB
DERRICK HAND		AL MCGLASHAN	12.00		AM
MOTOR HAND		Kevin Scherser	12.00		KS
FLOOR HAND		JASON IRVING	12.00		Ji
FLOOR HAND		SEAN JONSON	12.00		SJ
LEASE HAND		TERRY EDDIEAR	12.00		TE

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

39

DAY TOUR FROM 1200 TO 2400 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Marty Way	12.00		MW
DERRICK HAND		Anthony Woodford	12.00		AW
MOTOR HAND		CARL PRETTY	12.00		CP
FLOOR HAND		Sedman Coles	12.00		SC
FLOOR HAND		Boyd Butt	12.00		BB
LEASE HAND		Jack Walker	12.00		JW
LEASE HAND		BERNARD BLANCHO	12.00		BB

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

39

NO. 1 DRILLING ASSEMBLY (AT END OF TOUR) LENGTH BIT RECORD DAY TOUR MUD RECORD METRES DRILLED TIME LOG

1 BIT BIT SUB 165 0.83 SIZE 216.0

15 D.C. 165 135.40 WDC CODE 5 3 7

1 X.O. 165 0.99 MANUFACTURER HUGHES

TYPE hx-630

SERIAL NO. 6012868

PH

JETS 0 P

8 n

DEPTH OUT (m) 1476.00

DEPTH IN (m) 1456.80

TOTAL DRILLED (m) 19.20

TOTAL HRS RUN 6.75

CUTTING STRUCTURE

T1 T2 MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN (HRS)

HOLE CONDITION

DRILL PIPE STANDS 1330 18

DRILL PIPE SINGLES

KELLY DOWN 8.26

TOTAL 1476.00

WT. OF D.C. 22

WT. OF STRING 46

MUD TYPE WATER BASED OIL BASED X

TIME 1700 1800

DENSITY (kg/m3) 1205 1205

FUNNEL VISCOSITY 240 210

FLUID LOSS (cm3) pH

PVT TOTAL 31.40

MUD MATERIALS ADDED

PRODUCT AMOUNT UNIT

CAL CARB FIG 60 SX

SAWDUST BALES 40 SX

SAWDUST BAGS 2 SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN INTAKE DENSITY OVER FLOW DENSITY UNDER FLOW DENSITY

0.00

INTAKE DENSITY OVER FLOW DENSITY UNDER FLOW DENSITY

0.00

BOILERS

1 2

HRS RUN 12.00 HRS RUN

BOILER PH 10.5 BOILER PH

STACK TEMP 300 STACK TEMP

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

NOTES: CHECK BRAKE LINKAGES

2ND BOILER 12 HRS

MEGA JOULES IN LAST 24 HRS 751m

TRIP VOL CAL 6.81m3 MEAS 7.11m3, DIFF 0.30m3

DRILLER SIGNATURE Marty Way

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC MFL MGP

LOGGING 46 4514

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Apache Paramount Nogha B-23 YEAR 2004 MONTH 3 DAY 14

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

RIG MANAGER DALE HIGHBERG RIG NO. 0062

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 39

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		CARL BREAU	12.00		CB
DERRICK HAND		AL MCGLASHAN	12.00		AM
MOTOR HAND		Kevin Scherser	12.00		KS
FLOOR HAND		JASON IRVING	12.00		Ji
FLOOR HAND		SEAN JONSON	12.00		SJ
LEASE HAND		TERRY EDDIEAR	12.00		TE

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

39

DAY TOUR FROM 1200 TO 2400 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Marty Way	12.00		MW
DERRICK HAND		Anthony Woodford	12.00		AW
MOTOR HAND		CARL PRETTY	12.00		CP
FLOOR HAND		Sedman Coles	12.00		SC
FLOOR HAND		Boyd Butt	12.00		BB
LEASE HAND		Jack Walker	12.00		JW
LEASE HAND		BERNARD BLANCHO	12.00		BB

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

39

OPERATOR	CONTRACTOR
APACHE CANADA LTD.	NABORS DRILLING
SURFACE LOCATION	UNIQUE ID
66:32:05.69 N 125:40:33.24 W	300B236640125450
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
BILL MURRAY	DALE HIGHBERG

- (1.) Daily Walk Around Inspection
- (2.) Detailed Inspection - Weekly (Using Check List)
- (3.) H2S Signs Posted if Required
- (4.) Well Licence & Stick Diagram Posted
- (5.) Flare Lines Staked
- (6.) BOP Drills Performed
- (7.) Visually Inspect BOPs- Flare Lines & Degasser Lines
- (8.) Rig Site Health & Safety Meeting (once/crow/month)
- (9.) CAODC Rig Safety Inspection Checklist (once/month)
- (10.) Most Inspection before Raising or Lowering
- (11.) Crown Sewer Checked
- (12.) Motor Kills Checked

OPR	R.M.	2004	3	15
BM	DH	RIG NO. 0062		
BM	DH			
FUEL @ 08.00 HRS				
BM	DH	RIG 150	BOILER	
BM	DH	TEMPERATURE -25		
BM	DH			
WEATHER		CURRENT CONDITIONS CLOUDY		
		WIND DIRECTION NORTH		
		ROAD CONDITION		

CASING TUBING OR LINER	O.D. (mm)	I.N.D. (mm)	WALL THICKNESS (mm)	GRADE	MAKE	GRADE	NO. OF JOINTS	TOTAL LENGTH	NB TO CSG HEAD	SET AT
	339.7	311.4	10.2			K55	3	60.53	4.45	60.00
	244.5	228.0	5.9			L80	45	605.31	4.40	604.00
DC/DP SIZE	MASS	GRADE	MINIMUM ID	T. INT. O.D.	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER		STROKING LENGTH
4	25.68	SS 105	82	98	XT 39		A600PT	OILWELL		203
6	143.00		65	165	4.5 H90		A600PT	OILWELL		203

SPUD DATE	2004/02/08	TIME	17:00
RIG RELEASE	2004/03/20	TIME	00:00
WELL TYPE	RE-ENTRY		
OPERATOR'S AFE	NT040210		
KELLY BSHG	GP FUEL		
CONTRACTOR'S JOB NUM	2961A		
TOUR SHEET SERIAL NUM			



PASON

TIME SHEET	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					
		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	MIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRK WORK	SAFETY MEETING										
	TOTALS																															
	MORN												12.00																			
	DAY					1.75	4.00	0.25					6.00																			
	TOTAL					1.75	4.00	0.25					18.00																			
	DRILLING ASSEMBLY																															

SHALE SHAKER (S)		RENTALS / SERVICES		MORNING	DAY
NO.	TYPE	TYPE	CREW CAB (red)	25708	
1	SWACO				
SCREENS CHANGED		NEW USED	LOADER	3861	
	TOP	TOP			
50					
12.00	MIDDLE	MIDDLE			
24.00	BOTTOM	BOTTOM			
50					

DRILLING CREW PAYROLL DATA

WELL NAME & NO.		YEAR		MONTH	DAY
Apache Paramount Nogha B-23		2004		3	15
OPERATOR		CONTRACTOR			
APACHE CANADA LTD.		NABORS DRILLING			
RIG MANAGER		RIG NO.			
DALE HIGHBERG		0062			
PROVINCE	CAMP	X		RIG SAFETY DAYS	

N.W.T.	☐ YES ☐ NO	40
--------	--	----

MORNING TOUR		FROM	0	TO	1200	INJURIES	
CREW	SOC INS. NO.	NAME		HRS		YES	N
DRILLER		CARL BREAUULT		12.00			CB
DERRICK HAND		AL MCGLASHAN		12.00			AM
MOTOR HAND		Kevin Scherser		12.00			KS
FLOOR HAND		JASON IRVING		12.00			JI
FLOOR HAND		SEAN JONSON		12.00			SJ
LEASE HAND		TERRY EDDIEAR		12.00			TE

[illegible][illegible]

RATE SCHEDULE	REGULAR	REPAIR	Y	IN/ERT
---------------	---------	--------	---	--------

CREW SAFETY DAYS			DRIVERS		
40					
DAY TOUR		FROM 1200	TO 2400	INJURIES	
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Marty Way	12.00		MW
DERRICK HAND		Anthony Woodford	12.00		AW
MOTOR HAND		CARL PRETTY	12.00		CP
FLOOR HAND		Sedman Coles	12.00		SC
FLOOR HAND		Boyd Butt	12.00		BB
LEASE HAND		Jack Walker	12.00		JW
LEASE HAND		BERNARD BLANCHO	12.00		BR

[illegible][illegible]

LICENCE NO.

WELL NAME & NO.

Apache Paramount Nogha B-23

OPERATOR

APACHE CANADA LTD.

SURFACE LOCATION

66:32:05.69 N 125:40:33.24 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BILL MURRAY

CONTRACTOR

NABORS DRILLING

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DALE HIGHBERG

DAILY CHECKS

(1.) Daily Walk Around Inspection

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

(3.) H2S Signs Posted if Required

(4.) Well Licence & Stick Diagram Posted

(5.) Flare Lines Inspected

(6.) BOP Drills Performed

(7.) Visually Inspected BOPs- Flare Lines & Degasser Lines

(1.) Rig Site Health & Safety Meeting (once/week/month)

(2.) CAODC Rig Safety Inspection Checklist (once/week/month)

(3.) Mast Inspection before Raising or Lowering

(4.) Crown Saver Checked

(5.) Motor Kils Checked

2004

3

16

0062

FUEL @ 08:00 HRS

115

177.8

159.4

43.16

15

4

6

143.00

65

165

4.5 H90

A600PT

OILWELL

203

LAST CASING TUBING OR LINER

339.7

311.4

10

244.5

228.0

59

177.8

159.4

43.16

15

4

6

143.00

65

165

4.5 H90

A600PT

OILWELL

203

GRADE

K55

3

60.53

4.45

60.00

L80

45

605.31

4.40

604.00

180

112

1476.35

4.40

1476.00

NO. OF JOINTS

3

45

112

TOTAL LENGTH

60.53

605.31

1476.35

KB TO CSG HEAD

4.45

4.40

4.40

SET AT (m)

60.00

604.00

1476.00

TEMPERATURE

15

4

6

143.00

65

165

4.5 H90

A600PT

OILWELL

203

TYPE

THREAD

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

SHALE SHAKER (S)

RENTALS / SERVICES

MORNING

DAY

NO. 1

TYPE

SWACD

CREW CAB (red)

25708

3861

50

TOP

MIDDLE

MIDDLE

50

BOTTOM

BOTTOM

SCREENS CHANGED

NEW/USED

LOADER

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

Apache Paramount Nogha B-23

YEAR

2004

MONTH

3

DAY

16

OPERATOR

APACHE CANADA LTD.

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO.

0062

PROVINCE

N.W.T.

CAMP

X

YES

NO

RIG SAFETY DAYS

41

MORNING TOUR

FROM

0

TO

1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

CARL BREAU

12.00

CB

DERRICK HAND

AL MCGLASHAN

12.00

AM

MOTOR HAND

Kevin Scherzer

12.00

KS

FLOOR HAND

JASON IRVING

12.00

JL

FLOOR HAND

SEAN JONSON

12.00

SJ

LEASE HAND

TERRY EDDIEAR

12.00

TE

RATE SCHEDULE

REGULAR

REPAIR

X

INVERT

CREW SAFETY DAYS

41

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

MW

DERRICK HAND

Anthony Woodford

12.00

AW

MOTOR HAND

CARL PRETTY

12.00

CP

FLOOR HAND

Sedman Coles

12.00

SC

FLOOR HAND

Boyd Butt

12.00

BB

LEASE HAND

BERNARD BLANCHO

12.00

BB

LEASE HAND

Jack Walker

8.00

JW

RATE SCHEDULE

REGULAR

REPAIR

X

INVERT

CREW SAFETY DAYS

41

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

TOTALS

NO. 1

TYPE

SWACD

CREW CAB (red)

25708

3861

50

TOP

MIDDLE

MIDDLE

50

BOTTOM

BOTTOM

SCREENS CHANGED

NEW/USED

LOADER

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

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DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

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JETS

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TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

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SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

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JETS

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DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

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TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

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DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

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WT. OF D.C.

WT. OF STRING

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CUTTING STRUCTURE

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T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

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WT. OF D.C.

WT. OF STRING

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HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

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T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

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BRG

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ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

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WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

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TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

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TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

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T2

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BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

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BRG

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REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

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MDC

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BRG

GAGE

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REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

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WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

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T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

WT. OF D.C.

WT. OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

SIZE

WCC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

MDC

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

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FILL ON BOTTOM (m)

DRILL PIPE

STANDS

DRILL PIPE

SINGLES

KELLY DOWN

TOTAL

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SIZE

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MANUFACTURER

TYPE

SERIAL NO.

JETS

<

LICENCE NO. WELL NAME & NO. Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

SURFACE LOCATION 66:32:05.69 N 125:40:33.24 W UNIQUE ID 300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE BILL MURRAY SIGNATURE OF CONTRACTOR'S RIG MANAGER DALE HIGHBERG

DAILY CHECKS

(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence & Stock Diagram Posted
(5) Flare Lines Shaded
(6) BOP Daily Performed
(7) Visually Inspect BOPs - Flare Lines & Degasser Lines

(1) Rig Site Health & Safety Meeting (once a week)
(2) CADCOC Rig Safety Inspection Checklist (once a month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Sewer Checked
(5) Mast Kill Checked

YEAR 2004 MONTH 3 DAY 17

RIG NO. 0062

FUEL @ 08:00 HRS

TEMPERATURE -20

CURRENT CONDITIONS CLOUDY

WIND DIRECTION NORTH

ROAD CONDITION ICE

LAST CASING TUBING OR LINER 339.7 311.4 101

OD (mm) 339.7 311.4 101

MIN ID (mm) 244.5 228.0 59.5

MASS 177.8 159.4 43.16

GRADE K55 L80 L80

NO. OF JOINTS 3 45 112

TOTAL LENGTH 60.53 605.31 1476.35

VB TO CSG HEAD 4.45 4.40 4.40

SET AT (m) 60.00 604.00 1476.00

MASS 25.68 143.00

GRADE SS 105 65

MINIMUM ID 82 165

1. INT. OD 98 4.5

TYPE THREAD XT 39 H90

NO. OF JOINTS 203 203

PUMP TYPE A600PT A600PT

PUMP MANUFACTURER OILWELL OILWELL

STROKE LENGTH 203 203

SPUD DATE 2004/02/03 TIME 17:00

RIG RELEASE 2004/03/20 TIME 00:00

WELL TYPE RE-ENTRY

OPERATOR'S AFE NT040210

KELLY BSHG OP FUEL

CONTRACTOR'S JOB NUM 2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION



PASON

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	TOTALS
RIGUP & TEARDOWN																											
DRILL ACTUAL																											
REAMING																											
CORING																											
COND MUD & CRC																											
TRIPS																											
RIG SERVICE																											
REPAIR RIG																											
CUT OFF DRILL LINE																											
DEV SURVEY																											
WIRELINE LOGS																											
RUN CSG & CEMENT																											
WAIT ON CEMENT																											
NIPPLE UP B.O.P.																											
TEST B.O.P.																											
DRILLSTEM TEST																											
PLUG BACK																											
SQUEEZE CEMENT																											
FISHING																											
DIR. WORK																											
SAFETY MEETING																											
0.75																											
11.75																											
12.50																											

DRILLING CREW PAYROLL DATA

WELL NAME & NO. Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD. CONTRACTOR NABORS DRILLING

RIG MANAGER DALE HIGHBERG RIG NO. 0062

PROVINCE N.W.T. CAMP ☒ YES ☐ NO RIG SAFETY DAYS 42

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		CARL BREAU	12.00		CB
DERRICK HAND		AL MCGLASHAN	12.00		AM
MOTOR HAND		Kevin Scherzer	12.00		KS
FLOOR HAND		JASON IRVING	12.00		JJ
FLOOR HAND		SEAN JONSON	12.00		SJ
LEASE HAND		TERRY EDDIEAR	12.00		TE

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	MORNING TOUR	MUD RECORD	METRES DRILLED	TIME LOG
	BIT	O.D.	BIT NO.	MUD TYPE	WATER BASED ☐ OIL BASED ☒	FROM TO D-R-C RPM WOB	FROM TO ELAPSED TIME CODE
			SIZE	TIME	200 600 1000		0 215 2.25 12
			WDC CODE	DENSITY (kg/m3)	1220 1125 1050		215 300 0.75 22
			MANUFACTURER	FUNNEL VISCOSITY	200 195 170		300 700 4.00 13
			TYPE	FLUID LOSS (cm3)			700 1200 5.00 14
			SERIAL NO.	pH			
			JETS				
			DEPTH OUT (m)				
			DEPTH IN (m)				
			TOTAL DRILLED (m)				
			TOTAL HRS RUN				
			CUTTING STRUCTURE				
			T1 T2 MDC LOC BRG GAGE OOC REASON PULLED				
			DRILL PIPE STANDS				
			DRILL PIPE SINGLES				
			KELLY DOWN				
			TOTAL				
			WT. OF D.C.				
			WT. OF STRING				

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		CARL BREAU	12.00		CB
DERRICK HAND		AL MCGLASHAN	12.00		AM
MOTOR HAND		Kevin Scherzer	12.00		KS
FLOOR HAND		JASON IRVING	12.00		JJ
FLOOR HAND		SEAN JONSON	12.00		SJ
LEASE HAND		TERRY EDDIEAR	12.00		TE

RATE SCHEDULE REGULAR REPAIR ☒ INVERT

CREW SAFETY DAYS 42

DRIVERS

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	DAY TOUR	MUD RECORD	METRES DRILLED	TIME LOG
	BIT	O.D.	BIT NO.	MUD TYPE	WATER BASED ☐ OIL BASED ☒	FROM TO D-R-C RPM WOB	FROM TO ELAPSED TIME CODE
			SIZE	TIME	1400 1800 2200		1200 1700 5.00 22
			WDC CODE	DENSITY (kg/m3)	1050		1700 2345 6.75 22
			MANUFACTURER	FUNNEL VISCOSITY	168		2345 2400 0.25 7
			TYPE	FLUID LOSS (cm3)			
			SERIAL NO.	pH			
			JETS				
			DEPTH OUT (m)				
			DEPTH IN (m)				
			TOTAL DRILLED (m)				
			TOTAL HRS RUN				
			CUTTING STRUCTURE				
			T1 T2 MDC LOC BRG GAGE OOC REASON PULLED				
			DRILL PIPE STANDS				
			DRILL PIPE SINGLES				
			KELLY DOWN				
			TOTAL				
			WT. OF D.C.				
			WT. OF STRING				

DAY TOUR FROM 1200 TO 2400 INJURIES

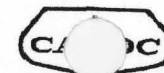
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		Marty Way	12.00		MW
DERRICK HAND		Anthony Woodford	12.00		AW
MOTOR HAND		CARL PRETTY	12.00		CP
FLOOR HAND		Sedman Coles	12.00		SC
FLOOR HAND		Boyd Butt	12.00		BB
LEASE HAND		BERNARD BLANCHO	12.00		BB

RATE SCHEDULE REGULAR REPAIR ☒ INVERT

CREW SAFETY DAYS 42

DRIVERS

SPUD DATE		200402/08	TIME		17:00
RIG RELEASE		200403/20	TIME		00:00
WELL TYPE			RE-ENTRY		
OPERATOR'S AFE		NT040210			
KELLY BSHG			OF FUEL		
CONTRACTOR'S JOB NUM		2961A			
TOUR SHEET SERIAL NUM					
VENDOR SOFTWARE VERSION					



PASON

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
Apache Paramount Noghta B-23		2004	3	19
OPERATOR	CONTRACTOR			
APACHE CANADA LTD.		NABORS DRILLING		
RIG MANAGER	ISS NO.			
DALE HIGHBERG		0062		
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	8		

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