

APACHE CANADA LTD

APACHE PARAMOUNT NOGHA B-23

CONTRACTOR

NABORS DRILLING

SURFACE LOCATION

300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE

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 & Back Diagram Posted

(5) Flow Lines Marked

(6) BOP Drills Performed

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

(8) Rig Site Health & Safety Meeting (contaminant)

(9) CADC Rig Safety Inspection Checklist (weight)

(10) Visual Inspection before Raising or Lowering

(11) Crown Sewer Checked

(12) Motor Vibs Checked

2004

MONTH

1

DAY

25

LAST CASING TUBING OR LINER

FUEL @ 04:00 HRS

BOILER

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

Q.D. (mm)

W.D. (mm)

U.A.S. (mm)

MAKZ

GRADE

NO. OF JOINTS

TOTAL LENGTH

NO. TO CSC HEAD

SET AT (m)

SPUD DATE

2004/02/18

TIME

17:00

RIG RELEASE

2004/03/20

RE-ENTRY

00:00

WELL TYPE

OPERATOR'S AFE

NT040210

KELLY BEING

CONTRACTOR'S JOB MAN

2361A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

APACHE CANADA LTD

NABORS DRILLING

Doug Mattice

62

N W T

CAMP

X

YES

NO

RIG NO

62

RIG SAFETY DAYS

1

DRILLING CREW PAYROLL DATA

APACHE PARAMOUNT NOGHA B-23

2004

1

25

APACHE CANADA LTD

NABORS DRILLING

Doug Mattice

62

N W T

CAMP

X

YES

NO

RIG NO

62

RIG SAFETY DAYS

1

CREW

SOC INS. NO

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

AW

DERRICK HAND

Anthony Woodford

12.00

AW

FLOOR HAND

Keith Buchanan

12.00

KB

FLOOR HAND

Shane Wilkison

8.00

SW

DRILLING CREW PAYROLL DATA

APACHE PARAMOUNT NOGHA B-23

2004

1

25

APACHE CANADA LTD

NABORS DRILLING

Doug Mattice

62

N W T

CAMP

X

YES

NO

RIG NO

62

RIG SAFETY DAYS

1

CREW

SOC INS. NO

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

AW

DERRICK HAND

Anthony Woodford

12.00

AW

FLOOR HAND

Keith Buchanan

12.00

KB

FLOOR HAND

Shane Wilkison

8.00

SW

DRILLING CREW PAYROLL DATA

APACHE PARAMOUNT NOGHA B-23

2004

1

25

APACHE CANADA LTD

NABORS DRILLING

Doug Mattice

62

N W T

CAMP

X

YES

NO

RIG NO

62

RIG SAFETY DAYS

1

CREW

SOC INS. NO

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

AW

DERRICK HAND

Anthony Woodford

12.00

AW

FLOOR HAND

Keith Buchanan

12.00

KB

FLOOR HAND

Shane Wilkison

8.00

SW

DRILLING CREW PAYROLL DATA

APACHE PARAMOUNT NOGHA B-23

2004

1

25

APACHE CANADA LTD

NABORS DRILLING

Doug Mattice

62

N W T

CAMP

X

YES

NO

RIG NO

62

RIG SAFETY DAYS

1

CREW

SOC INS. NO

NAME

HRS

YES

NO

DRILLER

Marty Way

12.00

AW

DERRICK HAND

Anthony Woodford

12.00

AW

FLOOR HAND

Keith Buchanan

12.00

KB

FLOOR HAND

Shane Wilkison

8.00

SW

[illegible]

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) Drilling Inspection - Weekly (Using Check List)

(3) HOS Supply Packed & Replaced

(4) Well Location & Back Diagrams Posted

(5) Flare Lines Striked

(6) HOS Drills Performance

(7) Weekly Inspected BOPs, Flare Lines & Degasser Lines

(8) Rig Site Health & Safety Meeting (weekly/monthly)

(9) CADC Rig Jitter Inspection Checklist (weekly/monthly)

(10) Mast Inspection before Raising or Lowering

(11) Crown Saver Checked

(12) Motor Mile Checked

YEAR

2004

MONTH

1

DAY

28

LAST CASING TUBING OR LUBER

WELL TYPE

OPERATOR'S AFE

NTD040210

KELLY BSHG

OF FUEL

CONTRACTOR'S JOB NUM

2561A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

TIME

00:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NTD040210

KELLY BSHG

OF FUEL

CONTRACTOR'S JOB NUM

2561A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

YEAR

2004

MONTH

1

DAY

28

LAST CASING TUBING OR LUBER

WELL TYPE

OPERATOR'S AFE

NTD040210

KELLY BSHG

OF FUEL

CONTRACTOR'S JOB NUM

2561A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

SPUD DATE

2004/02/08

TIME

17:00

RIG RELEASE

2004/03/20

TIME

00:00

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

NTD040210

KELLY BSHG

OF FUEL

CONTRACTOR'S JOB NUM

2561A

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

CONING

CONO MUD & CIRC

TRIPS

RIG SERVICE

REPAIR RIG

OUT OF DRILL LINE

DEV SURVEY

WIRELINE LOGS

RUN CING & CEMENT

WAIT ON CEMENT

NEPPEL UP & O.P.

TEST & O.P.

DRILL/TEST

PLUG BACK

SOURCE CEMENT

FISHING

DR WORK

SAFETY MEET TIME

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

WDC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

T1

T2

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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

O.D.

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

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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

O.D.

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

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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

O.D.

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

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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

O.D.

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

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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

O.D.

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

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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

O.D.

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

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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

O.D.

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

WDC

LOC

BRO

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

PULL 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)

[illegible]

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

3008236640125450

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 Present if Required

(4) Well Location & Back Clearance Present

(5) Flare Lines Equest

(6) BOP Drills Performed

(7) Visually Inspect BOP's Face Lines & Dragger Lines

(1) Rig Site Health & Safety Meeting (weekly/monthly)

(2) IADC Rig Best Inspection Checklist (weekly/monthly)

(3) Visual Inspection before Hoisting or Lowering

(4) Crown Saver Checked

(5) Motor Kits Checked

YEAR

2004

MONTH

1

DAY

30

LAST CASING TUBING OR LINER

FUEL @ 05:00 HRS

TEMPERATURE

DC/DP

DC/DP SIZE

MASS

GRADE

MINIMUM ID

1 INT

TYPE

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

SHALE SHAKER (S)

RENTALS / SERVICES

MORNING

DAY

NO

TYPE

TYPE

SCREENS CHANGED

NEW

USED

TOP

MIDDLE

BOTTOM

DRILLING CREW PAYROLL DATA

Well Name & No

Apache Paramount Nogha B-23

YEAR

2004

MONTH

1

DAY

30

Operator

APACHE CANADA LTD

Contractor

NABORS DRILLING

Rig Manager

Doug Mattice

Rig No

82

Province

NWT

Camp

X

YES

NO

Rig Safety Days

6

MORNING TOUR

FROM

0

TO

1200

INJURIES

YES

NO

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

4.00

TA

FLOOR HAND

Keith Buchanan

12.00

KB

FLOOR HAND

Shane Wilkison

12.00

SW

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

6

DRIVERS

DAY TOUR

FROM

1200

TO

0

INJURIES

YES

NO

CREW

SOC INS NO

NAME

HRS

YES

NO

DRILLER

Andy Kambites

4.00

AK

DERRICK HAND

Aaron Tracy Gould

4.00

AG

MOTOR HAND

Robert Ashe

4.00

RA

FLOOR HAND

Josh Abney

4.00

JA

FLOOR HAND

Ken Stibom

4.00

KS

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

6

DRIVERS

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

OD

BIT NO.

SIZE

WOC CODE

MANUFACTURER

TYPE

SERIAL NO.

JOBS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

TI

TD

MD

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

OD

BIT NO.

SIZE

WOC CODE

MANUFACTURER

TYPE

SERIAL NO.

JOBS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

TI

TD

MD

LOC

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

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 MATTHEW	
		DAILY CHECKS (1) Daily Walk Around Inspection (2) Driller Inspection Weekly (Using Check List) (3) H2S Signs Posted if Relevant (4) Well Location & Back Diagram Posted (5) Flare Lines Tested (6) BOP Data Performed (7) Visually Inspect BOP Flare Lines & Degraded Lines (8) Rig Site Health & Safety Meeting (on-site/off-site) (9) CADC Rig Safe Inspection Checklist (on-site/off-site) (10) Mast Inspection before Raising or Lowering (11) Green Seal Checked (12) Master Valve Checked	
		RIG DATA RIG NO. 62 FUEL @ 08:00 HRS BOILER TEMPERATURE CURRENT CONDITIONS WIND DIRECTION ROAD CONDITION	
		LAST CASING TUBING OR LINER O.D. (mm) I.D. (mm) J.A.S. (kg) MAKE GRADE NO. OF JOINTS TOTAL LENGTH K.B. TO CSG HEAD SET AT (m)	
		RENTALS / SERVICES MORNING DAY	
		DRILLING CREW PAYROLL DATA WELL NAME & NO YEAR MONTH DAY 2004 1 31 OPERATOR CONTRACTOR RIG NO. PROVIDE CAMP X YES NO RIG SAFETY DAYS	
		MORNING TOUR FROM 0 TO 1200 INJURIES	
		CREW SOC INS. NO NAME HRS YES NO	
		DRILLER Marty Way 12.00 AW	
		DERRICK HAND Anthony Woodford 12.00 AW	
		MOTOR HAND Troy Armstrong 12.00 TA	
		FLOOR HAND Keith Buchanan 12.00 KB	
		FLOOR HAND Shane Wikison 12.00 SW	
		RATE SCHEDULE X REGULAR REPAIR INVERT	
		CREW SAFETY DAYS 7	
		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 Stiborn 12.00 KS	
		RATE SCHEDULE X REGULAR REPAIR INVERT	
		CREW SAFETY DAYS 7	
		DRIVERS	

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) HDS Locks & Back Program Posted

(5) Flow Lines Bleed

(6) BOP Data Performed

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

(1) Rig Site Health & Safety Meeting (on-site/off-site)

(2) CADC Rig Safety Inspection Checklist (on-site/off-site)

(3) HDS Inspection before Running or Lowering

(4) Crown Raiser Checked

(5) Motor Oil Checked

YEAR

2024

MONTH

2

DAY

1

LAST CASING TUBING OR LINER

FUEL @ 08:00 HRS

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

Q.D. (mm)

MWD (mm)

MASC (mm)

MAVE

GRADE

I.D. of JOINTS

TOTAL LENGTH

H2 TO CRG 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

CA C

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 & CRG	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN C&C & CEMENT	WAIT ON CEMENT	HIPPLE UP S.O.P	TEST S.O.P	DRILLISTEM TEST	LOG BACK	SQUEEZE CEMENT	FISHING	DEE WORK	SAFETY MEETING						
MORN																											
DAY																											
TOTAL																											

NO

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

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

BAG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE ENJOLES

KELLY DOWN

TOTAL

WT OF D.C.

WT OF STRING

FILL ON BOTTOM (m)

TORQUE AT BOTTOM

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEL

MACP

NO

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

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

BAG

GAGE

ODC

REASON PULLED

TOTAL RUN HRS

HOLE CONDITION

DRILL PIPE STANDS

DRILL PIPE ENJOLES

KELLY DOWN

TOTAL

WT OF D.C.

WT OF STRING

FILL ON BOTTOM (m)

TORQUE AT BOTTOM

DRILLER SIGNATURE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEL

MACP

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 NO

62

RIG MANAGER

Doug Mattice

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

Marty Way

12.00

LMW

DERRICK HAND

Anthony Woodford

12.00

AW

MOTOR HAND

Troy Armstrong

12.00

TA

FLOOR HAND

Kelth 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 Kambries

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

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) Visual Leaks & Safe Design Point
 - (5) Flare Lines Checked
 - (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) Visual Inspection before Raising or Lowering
 - (4) Circuit Breaker Checked
 - (5) Motor Oil Checked

YEAR **2004** MONTH **2** DAY **2**
 RIG NO. **62** FUEL @ **08:00 HRS**
 RIG **BOILER**
 TEMPERATURE _____ DO OP _____ DO OP _____
 CURRENT CONDITIONS _____
 WIND DIRECTION _____
 ROAD CONDITION _____

SPUD DATE **27-JUL-08** TIME **17:00**
 RIG RELEASE **2004/03/20** TIME **00:00**
 WELL TYPE _____ RE-ENTRY _____
 OPERATOR'S AFE **NT040210**
 KELLY BSHD _____ OF 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	SHALE SHAKER (S)	RENTALS / SERVICES	MORNING	DAY
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & DRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSD & CEMENT	WAIT ON CEMENT	SHUTTLER UP ROP	TEST ROP	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DR WORK	SAFETY MEETING										
WORK																															
DAY																															
TOTAL																															

BIT RECORD | **MORNING TOUR** | **MUD RECORD** | **METRES DRILLED** | **TIME LOG**
 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 _____ CAGE _____ ODC _____ REASON PULLED _____ TOTAL RUN (m) _____
 HOLE CONDITION: _____
 HOLE DRAG: _____
 TORQUE AT BOTTOM: _____
 FILL ON BOTTOM (m) _____
 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: _____
 HRS RUN: _____
 BOILER PH: _____
 STACK TEMP: _____
 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 **2**
 OPERATOR **APACHE CANADA LTD** CONTRACTOR **NABORS DRILLING**
 RIG MANAGER **Doug Mattice** RIG NO. **62**
 PROVINCE **NWT** CAMP ☒ YES ☐ NO RIG SAFETY DAYS **9**

MORNING TOUR						FROM	TO	INJURIES		
CREW	SOC INS. NO.	NAME	HRS	YES	NO					
DRILLER		Marty Way	12.00							
DERRICK HAND		Anthony Woodford	12.00							
MOTOR HAND		Troy Armstrong	12.00							
FLOOR HAND		Keith Buchanan	12.00							
FLOOR HAND		Shane Wilkison	12.00							

RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT ☐

CREW SAFETY DAYS **9** DRIVERS _____

BIT RECORD | **DAY TOUR** | **MUD RECORD** | **METRES DRILLED** | **TIME LOG**
 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 _____ CAGE _____ ODC _____ REASON PULLED _____ TOTAL RUN (m) _____
 HOLE CONDITION: _____
 HOLE DRAG: _____
 TORQUE AT BOTTOM: _____
 FILL ON BOTTOM (m) _____
 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: _____
 HRS RUN: _____
 BOILER PH: _____
 STACK TEMP: _____
 DRILLER SIGNATURE: _____
 SPECIAL EVENT: _____
 TIME / DEPTH: _____
 SAFETY TOPIC: _____
 MBL: _____
 MACP: _____

DAY TOUR						FROM	TO	INJURIES		
CREW	SOC INS. NO.	NAME	HRS	YES	NO					
DRILLER		Andy Kambites	12.00							
DERRICK HAND		Aaron Tracy Gould	12.00							
MOTOR HAND		Robert Ashe	12.00							
FLOOR HAND		Josh Abney	12.00							
FLOOR HAND		Ken Stilborn	12.00							

RATE SCHEDULE ☒ REGULAR ☐ REPAIR ☐ INVERT ☐

CREW SAFETY DAYS **9** DRIVERS _____

LICENCE NO		WELL NAME & NO		Apache Paramount Nogha B-23		DAILY CHECKS		YEAR 2004 MONTH 2 DAY 3		LAST CASING TUBING OR LINER		C/D (HRS)		M/V (HRS)		MASS (kg)		GRADE		NO. OF JOINTS		TOTAL LENGTH		KB TO CSG HEAD		SET AT (H)		RIGUP DATE		TIME		*7:00																																					
OPERATOR		CONTRACTOR		NABORS DRILLING		(1) Daily Walk Around Inspection (2) Deleted Inspection - Weekly (Using Check List) (3) H2S Signs - Periodic (If Required) (4) Well Location & Spill Diagram Present (5) Flare Lines Status (6) BOP Drills Performed (7) Visually Inspect BOPs - Flare Lines & Degasser Lines		RIG NO. 62		FUEL @ 08:00 HRS		RIG		BOILER		TEMPERATURE		CURRENT CONDITIONS		WIND DIRECTION		ROAD CONDITION		RIG RELEASE		TIME		00:00		WELL TYPE		RE-ENTRY																																					
APACHE CANADA LTD		NABORS DRILLING		UNIQUE ID		300B236640125450		SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DOUG MATTICE		OPERATOR'S AFE		NT040210		KELLY BSH		OP FUEL		CONTRACTOR'S JOB NUM		2961A		TOUR SHEET SERIAL NUM		PASON		VENDOR SOFTWARE VERSION																																							
SURFACE LOCATION		SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DOUG MATTICE		C/D 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		SHAPE SHAKER (S)		RENTALS / SERVICES		MORNING		DAY	
RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CONING		CONO MUD & CIRC		TRIPS		RIG SERVICE		REPAIR RIG		CUT OFF DRILL LINE		DEV SURVEY		WIRELINE LOGS		RUN CAG & CEMENT		WAIT ON CEMENT		MPPLE UP & O.P.		TEST & O.P.		DRILLIST TEST		PLUG BACK		SQUEEZE CEMENT		FISHING		DPL WORK		SAFETY MEETING		SCREENS CHANGED		NEW USED		TOP		MIDDLE		BOTTOM																			
NO		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH		BIT RECORD		MORNING TOUR		MUD RECORD		METRES DRILLED		TIME LOG		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		RIGUP ASSIST WELDER & ELECTRICIAN		RIG REMOVE		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MACP																															
NO		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH		BIT RECORD		DAY TOUR		MUD RECORD		METRES DRILLED		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		RIGUP ASSIST WELDER & ELECTRICIAN		RIG REMOVE		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MACP																																							

APACHE CANADA LTD

NABORS DRILLING

3008236640125450

DOUG MATTICE

1) Daily Well Around Inspection

2) Drilled Inspection Weekly (Using Check List)

3) H2S Signs Present if Required

4) Well Location & Stick Diagram Posted

5) Flow Lines Bleed

6) BOP Data Performance

7) Visually Inspect BOPs Flow Lines & Deposition Lines

1) Rig Site Health & Safety Meeting (weekly/monthly)

2) CACOC Rig Safety Inspection Checklist (weekly/monthly)

3) Meet Inspection before Drilling or Lifting

4) Crown Saver Checked

5) Hoist Ribs Checked

2004

2

5

LAST CASING TURNING ON LINER

62

FUEL @ 05:00 HRS

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

OLD (mm)

NEW (mm)

MASS (mm)

MASS (mm)

GRADE

NO. OF JOINTS

TOTAL LENGTH

RIG TO CSG HEAD

SET AT (m)

SPUD DATE

2004/03/20

TIME

17:00

RIG RELEASE

2004/03/20

RE-ENTRY

00:00

WELL TYPE

NT040210

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

APACHE CANADA LTD

NABORS DRILLING

3008236640125450

DOUG MATTICE

1) Daily Well Around Inspection

2) Drilled Inspection Weekly (Using Check List)

3) H2S Signs Present if Required

4) Well Location & Stick Diagram Posted

5) Flow Lines Bleed

6) BOP Data Performance

7) Visually Inspect BOPs Flow Lines & Deposition Lines

1) Rig Site Health & Safety Meeting (weekly/monthly)

2) CACOC Rig Safety Inspection Checklist (weekly/monthly)

3) Meet Inspection before Drilling or Lifting

4) Crown Saver Checked

5) Hoist Ribs Checked

2004

2

5

LAST CASING TURNING ON LINER

62

FUEL @ 05:00 HRS

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

OLD (mm)

NEW (mm)

MASS (mm)

MASS (mm)

GRADE

NO. OF JOINTS

TOTAL LENGTH

RIG TO CSG HEAD

SET AT (m)

SPUD DATE

2004/03/20

TIME

17:00

RIG RELEASE

2004/03/20

RE-ENTRY

00:00

WELL TYPE

NT040210

OPERATOR'S AFE

NT040210

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

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

BSM CSG & CEMENT

WAT ON CEMENT

AMPLE UP & D.P

TEST B O.P

DRILLISTEN TEST

PLUG BACK

SQUEEZE CEMENT

FISHING

DR. WORK

SAFETY MEETING

MORN

4.00

DAY

12.00

TOTAL

16.00

SHALE SHAKER (S)

RENTALS / SERVICES

MORNING

DAY

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

BOILERS

DRILLER SIGNATURE

Marty Way

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

BOILERS

DRILLER SIGNATURE

Andy Kambites

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

BOILERS

DRILLER SIGNATURE

Andy Kambites

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

BOILERS

DRILLER SIGNATURE

Andy Kambites

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

BOILERS

DRILLER SIGNATURE

Andy Kambites

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

WT OF D.C.

WT OF STRING

MUD TYPE

WATER BASED

OIL BASED

TIME

DENSITY (kg/m3)

FUNNEL VISCOSITY

FLUID LOSS (cm3)

pH

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

BOILERS

DRILLER SIGNATURE

Andy Kambites

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NO

DRILLING ASSEMBLY (AT END OF TOUR)</

Apache Paramount Nogha B-23

APACHE CANADA LTD

NABORS DRILLING

3008236640125450

BILL MURRAY

DOUG MATTICE

DRILLING CREW PAYROLL DATA

DRILLING CREW

DRILLER: Marty Way

DERRICK HAND: Anthony Woodford

MOTOR HAND: Troy Armstrong

FLOOR HAND: Keith Buchanan

FLOOR HAND: Shane Wilkison

DRILLER: Andy Kambites

DERRICK HAND: Aaron Tracy Gould

MOTOR HAND: Robert Ashe

FLOOR HAND: Josh Abney

FLOOR HAND: Ken Stilborn

DRILLER: CARL BREAU

DERRICK HAND: AL MCGLASHAN

MOTOR HAND: RICK KINSELLA

FLOOR HAND: JASON IRVING

FLOOR HAND: SEAN JONSON

LICENCE NO		WELL NAME & NO		Apache Paramount Nogha B-23		DAILY CHECKS		YEAR 2004 MONTH 2 DAY 7		LAST CASING TUBING		C.D. (mm)		MIN. ID. (mm)		MASS (kg)		NAME		GRADE		NO. OF JOINTS		TOTAL LENGTH		KG TO CSG HEAD		SET AT (m)		SPUD DATE		2004/02/08		TIME		17:00																																			
OPERATOR		APACHE CANADA LTD		CONTRACTOR		NABORS DRILLING		RIG NO.		62		FUEL @ 08:00 HRS		RIG		BOILER		TEMPERATURE		DO (mm)		DC (mm)		MASS		GRADE		MIDSPAN ID		1. INT. C.D.		TYPE		THREAD		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH																													
SURFACE LOCATION		300B236640125450		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 Location & Back Diagram Posted		(5) Flare Lines Bleared		(6) BOP Drills Performed		(7) Visually Inspected BOPs Flare Lines & Dogear Lines		(1) Rig Site Health & Safety Meeting (unannounced)		(2) CADC Rig Safety Inspection Checklist (unannounced)		(3) Visual Inspection before Raising or Lowering		(4) Crown Riser Checked		(5) Motor Riser Checked																															
SIGNATURE OF OPERATOR'S REPRESENTATIVE		BILL MURRAY		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DOUG MATTICE		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		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		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		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		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		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		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		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		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		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		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		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		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		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									
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LICENCE NO

WELL NAME & NO

Apache Paramount Nogha B-23

CONTRACTOR

APACHE CANADA LTD

NABORS DRILLING

SURFACE LOCATION

UNIQUE ID

300B236640125450

SIGNATURE OF CONTRACTOR'S RIG MANAGER

BILL MURRAY

DOUG MATTICE

DAILY CHECKS

(1) Daily Walk Around Inspection

(2) Drilling Inspection Weekly (Using Check List)

(3) HOS Signs Posted & Regulated

(4) Well Licence & Scale Diagrams Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

(7) Visually Inspect BOPs Flare Lines & Degasser Lines

(8) Rig Site Health & Safety Meeting (weekly/monthly)

(9) CADC Rig Safe Inspection Checklist (weekly/monthly)

(10) Green Review Checklist

(11) Motor Kills Checklist

YEAR

2004

MONTH

2

DAY

8

LAST CASING TUBING ON LINER

NO. OF JOINTS

339.7

NO. OF JOINTS

311.4

NO. OF JOINTS

10

NO. OF JOINTS

60.00

NO. OF JOINTS

60.00

TEMPERATURE

33.9

TEMPERATURE

31.1

TEMPERATURE

10

TEMPERATURE

60.0

TEMPERATURE

60.0

CURRENT CONDITIONS

33.9

CURRENT CONDITIONS

31.1

CURRENT CONDITIONS

10

CURRENT CONDITIONS

60.0

CURRENT CONDITIONS

60.0

WIND DIRECTION

33.9

WIND DIRECTION

31.1

WIND DIRECTION

10

WIND DIRECTION

60.0

WIND DIRECTION

60.0

ROAD CONDITION

33.9

ROAD CONDITION

31.1

ROAD CONDITION

10

ROAD CONDITION

60.0

ROAD CONDITION

60.0

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

CONTRACTOR'S JOB NAME

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

8

OPERATOR

APACHE CANADA LTD

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DOUG MATTICE

RIG NO

62

PROVINCE

NWT

CAMP

X

YES

NO

RIG SAFETY DAYS

4

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 & TENDDOWN

12.00

DRILL ACTUAL

5.00

REAMING

17.00

CORING

0.00

CONG MUD & CIRC

0.00

TRIPS

0.00

RIG SERVICE

0.00

REPAIR RIG

0.00

CUT OFF DRILL LINE

0.00

DEV SURVEY

0.00

WIRELINE LOGS

0.00

RUN C&G & CEMENT

0.00

WAIT ON CEMENT

0.00

MUDPUMP B.O.P

0.00

TEST B.O.P

0.00

DRILLSTEM TEST

0.00

PLUG BACK

0.00

SQUEEZE CEMENT

0.00

FISHING

0.00

DIR WORK

0.75

SAFETY MEETING

1.50

SHALE SHAKER (S)

NO

TYPE

TYPE

RENTALS / SERVICES

MORNING

DAY

NO

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

OD

BIT NO

SIZE

WOC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

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

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

NOTES

DRILLER SIGNATURE

Andy Kambites

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEH

MACP

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NO

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

BIT

OD

BIT NO

SIZE

WOC CODE

MANUFACTURER

TYPE

SERIAL NO.

JETS

DEPTH OUT (m)

DEPTH IN (m)

TOTAL DRILLED (m)

TOTAL HRS RUN

CUTTING STRUCTURE

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

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

NOTES

DRILLER SIGNATURE

CARL BREAU

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MEH

MACP

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

WELL NAME & NO Apache Paramount Nogha B-23

OPERATOR APACHE CANADA LTD CONTRACTOR NABORS DRILLING

SURFACE LOCATION 300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE BILL MURRAY SIGNATURE OF CONTRACTOR'S RIG MANAGER DOUG MATTICE

DAILY CHECKS

YEAR 2004 MONTH 2 DAY 10

LAST CASING TUBING 339 7 311.4 107

FUEL @ 05:00 HRS

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

SPUD DATE 2004/02/08 TIME 17:00

NO RELEASE 2004/03/20 TIME 00:00

WELL TYPE RE-ENTRY

OPERATOR'S AFE NT040210

KELLY BSHG

CONTRACTOR'S JOB NAME 2061A

TOUR SHEET SERIAL NAME

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

GROUP & TEARDOWN

DRILL ACTUAL

REAMING

CORING

COND MUD & CIRC

TRIPS

RIG SERVICE

REPAIR RIG

CUT OFF DRILL LINE

DEV SURVEY

WIRELINE LOGS

RUN CRO & CEMENT

WAIT ON CEMENT

AMPLE UP & P

TEST & P

DRILLSTEM TEST

PLUG BACK

SOUE CZE CEMENT

FISHING

DR. WORK

SAFETY MEETING

TOTALS

NO TYPE

CREW VEHICLE

MORNING

DAY

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER

DERRICK HAND

MOTOR HAND

FLOOR HAND

FLOOR HAND

DRILLER

DERRICK HAND

MOTOR HAND

FLOOR HAND

FLOOR HAND

LEASE HAND

LEASE HAND

DRILLER

DERRICK HAND

MOTOR HAND

FLOOR HAND

FLOOR HAND

LEASE HAND

LEASE HAND

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

DOUG MATTICE

DAILY CHECKS

(1) Daily Walk Around Inspection

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

(3) HSE Super Protocol if Required

(4) Well Utilities & Shop Diagram Posted

(5) Flow Lines Labeled

(6) BOP Drills Performed

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

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

(2) CADCOC Rig Safety Inspection Checklist (once a month)

(3) Meet Inspection before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Kils Checked

YEAR

2004

MONTH

2

DAY

12

LAST CASING TUBING ON LINER

339 7

311 4

10

MASS

339 7

311 4

10

GRADE

K55

3

80.53

4 45

60 00

SET AT (m)

60 00

RIG NO.

0062

FUEL @ 08:00 HRS

133

BOILER

TEMPERATURE

DO TOP

DO TOP

MASS

GRADE

MINIMUM ID

T. INT

TYPE

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

CURRENT CONDITIONS

DO TOP

DO TOP

MASS

GRADE

MINIMUM ID

T. INT

TYPE

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

WIND DIRECTION

164

143.00

65

165

4.5 H90

21

A600PT

OILWELL

203

ROAD CONDITION

164

143.00

65

165

4.5 H90

21

A600PT

OILWELL

203

SPUD DATE

2004/02/01

TIME

17 00

RIG RELEASE

2004/03/20

TIME

00 00

WELL TYPE

RE-ENTRY

OPERATOR'S A/E

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

NO

TYPE

TYPE

CREW VEHICLE

80630

MORNING

DAY

RIGUP & TIE-DOWN

DRILL ACTUAL

REAMING

CORING

CONO MUD & CRC

TRIPS

RIG SERVICE

REPAIR RIG

OUT OFF DRILL LINE

DEV SURVEY

WIRELINE LOGS

RUN CIRC & CEMENT

WAIT ON CEMENT

SHUT IN

TEST BOP

DRILLSTEM TEST

PLUG BACK

SQUEEZE CEMENT

FISHING

DIR WORK

SAFETY MEETING

8.00

0.50

12.00

110

TOP

TOP

110

MIDDLE

MIDDLE

12.25

110

BOTTOM

BOTTOM

24.25

84

NO

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1

X.O

245

0.32

SIZE

311 0

TIME

1000

1200

130 00

132 00

D

110

5

0

200

2.00

20

DIR. WORK. LAY OUT MUD MOTOR, NO X/O ON LOCATION

200

700

5.00

20

DIR. WORK. WAIT ON BAKER TOOLS

700

800

1.00

20

DIR. WORK. MAKE UP MUD MOTOR

800

1000

2.00

6

RUN IN HOLE

1000

1030

0.50

22

STEAM KELLY WARM UP SWMEL

1030

1145

1.25

2

DRILL 311mm HOLE FR 130m TO 132m

1145

1200

0.25

7

RIG SERVICE FUNCTION ANNUAL 12 SECS TO CLOSE

NO

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1

X.O

245

0.32

SIZE

311 0

TIME

1000

1400

1800

132 00

145 00

D

110

5

1200

1900

7.00

2

DRILL 311mm FR 132m TO 142 m

1900

1915

0.25

21

SAFETY MTG

1915

2215

3.00

2

DRILL 311 mm HOLE FR 142 m TO 145m

2215

2315

1.00

6

TRIPS BLOW KELLY PULL OUT OF HOLE TO LAY OUT DIR. TOOLS

2300

2345

0.75

22

PUMP 5 CUBES INTO HOLE TO SEE IF WE GET RETURNS

2345

0

0.25

6

TRIPS PULL OUT OF HOLE TO LAY OUT MUD MOTOR

[illegible]

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) HSE Signs Posted if Required (4) Well Location & Block Diagrams Posted (5) Flare Lines Status (6) BOP Data Performance (7) Visually Inspect BOP's Flare Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (on-site/off-site) (9) CADC Rig Rules Inspection Checklist (on-site/off-site) (10) Mast Inspection before Raising or Lowering (11) Crown Raiser Checked (12) Motor KHS Checked						LAST CASING TURNING AIR LINER FUEL @ 04:00 HRS TEMPERATURE CURRENT CONDITIONS CLEAR WIND DIRECTION SEA ROAD CONDITION ICE					
						GRAB SAMPLES NO. 1 NO. 2 NO. 3 NO. 4 NO. 5 NO. 6 NO. 7 NO. 8 NO. 9 NO. 10 NO. 11 NO. 12 NO. 13 NO. 14 NO. 15 NO. 16 NO. 17 NO. 18 NO. 19 NO. 20 NO. 21 NO. 22 NO. 23 NO. 24 NO. 25 NO. 26 TOTALS					
						RENTALS / SERVICES MORNING DAY					
						DRILLING CREW PAYROLL DATA WELL NAME & NO YEAR MONTH DAY					
						OPERATOR APACHE CANADA LTD					
						CONTRACTOR NABORS DRILLING					
						RIG MANAGER DALE HIGHBERG					
						PROVINCE NWT					
						CAMP ☒ YES ☐ NO					
						RIG SAFETY DAYS 10					
						MORNING TOUR FROM 0 TO 1200 INJURES					
						CREW SOC INS NO NAME HRS YES NO					
						DRILLER CARL BREAUAT 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 10					
						DAY TOUR FROM 1200 TO 2400 INJURES					
						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 BLANCHI 12.00 BB					
						RATE SCHEDULE ☒ X REGULAR REPAIR INVERT					
						CREW SAFETY DAYS 10					

APACHE CANADA LTD
NABORS DRILLING
300B236640125450
DALE HIGHBERG

DAILY CHECKS
(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) VES Signs Posted & Required
(4) Well Location & Block Diagram Posted
(5) Flare Lines Status
(6) BOP Drills Performed
(7) Visually Inspect BOP's Flare Lines & Degasser Lines
(8) Rig Site Health & Safety Meeting (one/oneperson)
(9) CADC Rig Safety Inspection Checklist (one/oneperson)
(10) Meel Inspection before Raising or Lowering
(11) Crown Saver Check
(12) Motor Kils Check

0062
FUEL @ 08:00 HRS
TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION
ICE

SPUD DATE 2004/02/08
NO RELEASE 2004/03/20
WELL TYPE
OPERATORS AFE NT040210
KELLY BSHG
CONTRACTORS 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
GROUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	CONC MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN C&G & CEMENT	WAIT ON CEMENT	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	SHUT IN	
MORNING				9.25	2.50	0.25																					12.00
DAY				2.25	0.50	0.25																					12.00
TOTAL				11.50	3.00	0.50																					24.00

DRILLING CREW PAYROLL DATA

WELL NAME & NO
APACHE Paramount Nogha B-23
YEAR 2004 MONTH 2 DAY 15
OPERATOR APACHE CANADA LTD CONTRACTOR NABORS DRILLING
RIG NO 0062
RIG MANAGER DALE HIGHBERG
PROVIDES CAMP YES NO
NWT
INJURIES

BIT RECORD
MORNING TOUR
MUD RECORD
METRES DRILLED
TIME LOG
DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

CREW	BOC INS NO	NAME	HRS	YES	NO
DRILLER		CARL BREAU	12.00		CB
DERRICK HAND		AL MCGLASHAN	12.00		AM
MOTOR HAND		RICK KINSELLA	12.00		RK
FLOOR HAND		JASON IRVING	12.00		JL
FLOOR HAND		SEAN JONSON	12.00		SJ
LEASE HAND		TERRY EDDIEAR	12.00		TE

BIT RECORD
DAY TOUR
MUD RECORD
METRES DRILLED
TIME LOG
DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

CREW	BOC 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 Buchanan	12.00		KB
FLOOR HAND		Shane Wilkison	12.00		SW
LEASE HAND		BERNARD BLANCHON	12.00		BB

APACHE CANADA LTD NABORS DRILLING 300B236640125450 DALE HIGHBERG

DRILLING CREW PAYROLL DATA

DRILLING CREW PAYROLL DATA

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

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DRILLER: CARL BREAU

DRILLER: Marty Way

Apache Paramount Nogha B-23

CONTRACTOR: NABORS DRILLING

UNIQUE ID: 300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE: BILL MURRAY

SIGNATURE OF CONTRACTOR'S RIG MANAGER: DALE HIGHBERG

DAILY CHECKS

YEAR: 2004, MONTH: 2, DAY: 20

WELL NAME & NO: Apache Paramount Nogha B-23

OPERATOR: APACHE CANADA LTD

SURFACE LOCATION: 66 32 05 69 N 125 40 33 24 W

SPUD DATE: 2004/02/08

RIG RELEASE: 2004/03/20

WELL TYPE: RE-ENTRY

OPERATOR'S AFE: NT040210

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: DALE HIGHBERG

RIG NO: 0062

PROVINCE: NWT

CAMP: YES

RIG SAFETY DAYS: 16

MORNING TOUR: FROM 0 TO 1200

INJURIES:

CREW: CARL BREAU, AL MCGLASHAN, RICK KINSELLA, JASON IRVING, SEAN JONSON, TERRY EDDIEAR

RATE SCHEDULE: REGULAR

REPAIR: INVERT

CREW SAFETY DAYS: 16

DAY TOUR: FROM 1200 TO 2400

INJURIES:

CREW: Marty Way, Anthony Woodford, CARL PRETTY, Keith Buchanan, Shane Wilkison, AL MCGLASHAN, BERNARD BLANCHI, Andy Kambites, Aaron Tracy Gould, Robert Ashe, Josh Abney, Ken Stillborn, JASON ZELLER

RATE SCHEDULE: REGULAR

REPAIR: INVERT

CREW SAFETY DAYS: 16

LICENCE NO		WELL NAME & NO		Apache Paramount Nogha B-23		DAILY CHECKS		YEAR 2004 MONTH 2 DAY 22		LAST CASING TUBING ON LINER		O.D. (mm) 339.7		I.D. (mm) 311.4		M/S (mm) 10		GRADE		NO. OF JOINTS 3		TOTAL LENGTH 60.53		KB TO CSG HEAD 4.45		SET AT (m) 60.00		SPUD DATE 2004/02/08		TIME 17:00		NO RELEASE 2004/03/20		RE-ENTRY		TIME 00:00		WELL TYPE		OPERATOR'S AGE		NT040210		KELLY BRNG		OP FUEL		CONTRACTOR'S JOB NUM		2961A		TOUR SHEET SERIAL NUM		VENDOR SOFTWARE VERSION									
OPERATOR		APACHE CANADA LTD		CONTRACTOR		NABORS DRILLING		UNIQUE ID		300B236640125450		SIGNATURE OF OPERATOR'S REPRESENTATIVE		BILL MURRAY		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DALE HIGHBERG		DAILY CHECKS		(1) Daily Well Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Visual Inspection & Back Diagram Posted (5) Flare Lines Checked (6) BOP Drifts Performed (7) Visually Inspect BOP's - Flare Lines & Debris Lines		(1) Rig Site Health & Safety Meeting (one/two/three) (2) CNDCC Rig Safety Inspection Checklist (one/two/three) (3) Visual Inspection before Running or Lowering (4) Crown Saver Checked (5) Motor Kln Checked		TEMPERATURE		DO TEMP		DC/OP SIZE		MASS		GRADE		MINIMUM I.D.		T. INT. O.D.		TYPE THREAD		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		CURRENT CONDITIONS		DOWNHOLE		WIND DIRECTION		N.W.		ROAD CONDITION		ICE			
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 Well Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Visual Inspection & Back Diagram Posted (5) Flare Lines Checked (6) BOP Drifts Performed (7) Visually Inspect BOP's - Flare Lines & Debris Lines		TEMPERATURE		DO TEMP		DC/OP SIZE		MASS		GRADE		MINIMUM I.D.		T. INT. O.D.		TYPE THREAD		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		CURRENT CONDITIONS		DOWNHOLE		WIND DIRECTION		N.W.		ROAD CONDITION		ICE									
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	
GROUP & TEARDOWN		DRILL ACTUAL		REMARKS		CORING		CONC MUD & D.C.		TRIPS		RIG SERVICE		REPAIR RIG		CUT OFF DRILL LINE		DEV SURVEY		WIRELINE LOGS		RUN CIRC & CEMENT		WAIT ON CEMENT		AMPLE UP & O.P.		TEST & O.P.		DRILLSTEM TEST		PUMP BACK		SQUEEZE CEMENT		FISHING		DR. WORK		SAFETY MEETING		PUMP/CAPILL		HOWATER		TOTALS		SHALE SHAKER (S)		RENTALS / SERVICES		MORNING		DAY									
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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		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	
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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		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	
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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	
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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		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	
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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		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	

Apache Paramount Nogha B-23

CONTRACTOR: NABORS DRILLING

UNIQUE ID: 300B236640125450

SIGNATURE OF OPERATOR'S REPRESENTATIVE: DALE HIGHBERG

APACHE CANADA LTD

66 32 05 69 N 125 40 33 24 W

BILL MURRAY

DAILY CHECKS

SPUD DATE: 2004/02/08

TIME: 17:00

WELL TYPE: RE-ENTRY

OPERATOR'S AFE: NT040210

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: 23

OPERATOR: APACHE CANADA LTD

CONTRACTOR: NABORS DRILLING

RIG MANAGER: DALE HIGHBERG

RIG NO: 0062

PROVINCE: NWT

CAMP: YES

NO: NO

RIG SAFETY DAYS: 19

MORNING TOUR

FROM: 0 TO: 1200

INJURIES:

CREW: DRILLER, DERRICK HAND, MOTOR HAND, FLOOR HAND, DERRICK HAND, LEASE HAND

SOC INS NO:

NAME: Marty Way, Anthony Woodford, CARL PRETTY, Keith Buchanan, AL MCGLASHAN, BERNARD BLANCHO

HRS: 12.00, 12.00, 12.00, 12.00, 12.00, 12.00

YES: NO

NO: INJURY

RATE SCHEDULE: X REGULAR

REPAIR: INVERT

CREW SAFETY DAYS: 19

DRIVERS:

DAY TOUR

FROM: 1200 TO: 2400

INJURIES:

CREW: DRILLER, DERRICK HAND, MOTOR HAND, FLOOR HAND, FLOOR HAND, DERRICK HAND

SOC INS NO:

NAME: Andy Kambites, Aaron Tracy Gould, Robert Ashe, Josh Abney, Ken Stilborn, JASON ZELLER

HRS: 12.00, 12.00, 12.00, 12.00, 12.00, 12.00

YES: NO

NO: INJURY

RATE SCHEDULE: X REGULAR

REPAIR: INVERT

CREW SAFETY DAYS: 19

DRIVERS:

APACHE CANADA LTD NABORS DRILLING 300B236640125450 DALE HIGHBERG

DRILLING CREW PAYROLL DATA

CREW	SOC INS NO	NAME	HRS	YES	NO
DRILLER		Marty Way	12.00		AW
DERRICK HAND		Anthony Woodford	12.00		AW
MOTOR HAND		CARL PRETTY	12.00		CP
FLOOR HAND		Kerth Buchanan	12.00		KB
DERRICK HAND		AL MCGLASHAN	12.00		AM
LEASE HAND		BERNARD BLANCHO	12.00		BB

DRILLING CREW PAYROLL DATA

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

[illegible]

[illegible]

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 Well Around Inspection

(2) Closed Inspection Weekly (Using Check List)

(3) H2S Signs Posted if Required

(4) Well Licence & Block Diagram Posted

(5) Flare Lines Staked

(6) BOP Drills Performed

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

(8) Rig Safe Health & Safety Meeting (onshore/offshore)

(9) CADCOC Rig Risk Inspection Checklist (onshore/offshore)

(10) Must Inspect before Raising or Lowering

(11) Crown Saver Checked

(12) Motor Vibs Checked

YEAR

2004

MONTH

2

DAY

27

TIME

00:00

FUEL @ 08:00 HRS

150

TEMPERATURE

22

CURRENT CONDITIONS

WIND DIRECTION

CALM

ROAD CONDITION

ICE

DC/DP SIZE

25 68

MASS

143 00

GRADE

SS 105

MINIMUM ID

82

T. AT O.D.

98

TYPE

XT 39

NO. OF JOINTS

4 5 H90

PUMP TYPE

A600PT

PUMP MANUFACTURER

OILWELL

STROKE LENGTH

203

NO. OF JOINTS

3

TOTAL LENGTH

60 53

KB TO CSG HEAD

4 45

RET AT (m)

60 00

GRADE

K55

NO. OF JOINTS

3

TOTAL LENGTH

60 53

KB TO CSG HEAD

4 45

RET AT (m)

60 00

OPERATORS AFE

NT040210

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

2961A

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

APACHE PARAMOUNT NOGHA B-23

YEAR

2004

MONTH

2

DAY

27

OPERATOR

APACHE CANADA LTD

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO

0062

PROVINCE

NWT

CAMP

X

YES

NO

RIG SAFETY DAYS

23

MORNING TOUR

FROM 0

TO 1200

INJURIES

CREW

SOC INS NO

NAME

HRS

YES

NO

DRILLER

Marty Way

8.00

MW

DERRICK HAND

Anthony Woodford

8.00

AW

MOTOR HAND

CARL PRETTY

8.00

CP

FLOOR HAND

Keith Buchanan

8.00

KB

DERRICK HAND

AL MCGLASHAN

8.00

AM

LEASE HAND

BERNARD BLANCHO

8.00

BB

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

23

DAY TOUR

FROM 1200

TO 2400

INJURIES

CREW

SOC INS NO

NAME

HRS

YES

NO

DRILLER

Andy Kambites

8.00

AK

DERRICK HAND

Aaron Tracy Gould

8.00

AG

MOTOR HAND

Robert Ashe

8.00

RA

FLOOR HAND

Josh Abney

8.00

JA

FLOOR HAND

Ken Stilborn

8.00

KS

2ND DERRICK HAND

JASON ZELLER

8.00

JZ

DRILLER

CARL BREAUULT

8.00

CB

DERRICK HAND

AL MCGLASHAN

8.00

AM

DERRICK HAND

Anthony Woodford

8.00

AW

FLOOR HAND

JASON IRVING

8.00

JJ

FLOOR HAND

SEAN JONSON

8.00

SJ

LEASE HAND

TERRY EDDIEAR

8.00

TE

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

23

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

APACHE PARAMOUNT NOGHA B-23

YEAR

2004

MONTH

2

DAY

27

OPERATOR

APACHE CANADA LTD

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO

0062

PROVINCE

NWT

CAMP

X

YES

NO

RIG SAFETY DAYS

23

MORNING TOUR

FROM 0

TO 1200

INJURIES

CREW

SOC INS NO

NAME

HRS

YES

NO

DRILLER

Marty Way

8.00

MW

DERRICK HAND

Anthony Woodford

8.00

AW

MOTOR HAND

CARL PRETTY

8.00

CP

FLOOR HAND

Keith Buchanan

8.00

KB

DERRICK HAND

AL MCGLASHAN

8.00

AM

LEASE HAND

BERNARD BLANCHO

8.00

BB

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

23

DAY TOUR

FROM 1200

TO 2400

INJURIES

CREW

SOC INS NO

NAME

HRS

YES

NO

DRILLER

Andy Kambites

8.00

AK

DERRICK HAND

Aaron Tracy Gould

8.00

AG

MOTOR HAND

Robert Ashe

8.00

RA

FLOOR HAND

Josh Abney

8.00

JA

FLOOR HAND

Ken Stilborn

8.00

KS

2ND DERRICK HAND

JASON ZELLER

8.00

JZ

DRILLER

CARL BREAUULT

8.00

CB

DERRICK HAND

AL MCGLASHAN

8.00

AM

DERRICK HAND

Anthony Woodford

8.00

AW

FLOOR HAND

JASON IRVING

8.00

JJ

FLOOR HAND

SEAN JONSON

8.00

SJ

LEASE HAND

TERRY EDDIEAR

8.00

TE

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

23

Apache Paramount Nogha B-23

APACHE CANADA LTD

66 32 05 69 N 125 40 33 24 W

BILL MURRAY

NABORS DRILLING

300B236640125450

DALE HIGHBERG

DAILY CHECKS

DRILLING CREW PAYROLL DATA

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE

DRILLER: Andy Kambiles

DRILLING CREW PAYROLL DATA

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE

DRILLER: CARL BREAU

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) Drilling Inspection - Working (Using Check List)

(3) HSE Signs Posted if Required

(4) Well Licence & Block Diagram Posted

(5) Flare Line Street

(6) BOP Only Performance

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

(1) Rig Site Health & Safety Meeting (before work)

(2) CADCOC Rig Safety Inspection Checklist (before work)

(3) Must inspect before raising or lowering

(4) Crown Saver Checked

(5) Meas Vibe Checked

YEAR

2004

DAY

29

LAST CASING TURNING OR LKIER

339 7

311 4

10

MASS (kg)

339 7

311 4

10

GRADE

K55

3

TO T/L LENGTH

60.53

4 45

60.00

SET AT (m)

60.00

WELL TYPE

NT040210

OPERATOR'S AFE

KELLY BSH

OP FUEL

2961A

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

2961A

VENDOR SOFTWARE VERSION

SPUD DATE

2004/03/20

TIME

17:00

WELL TYPE

NT040210

OPERATOR'S AFE

KELLY BSH

OP FUEL

2961A

CONTRACTOR'S JOB NUM

2961A

TOUR SHEET SERIAL NUM

2961A

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO

Apache Paramount Nogha B-23

YEAR

2004

MONTH

2

DAY

29

OPERATOR

APACHE CANADA LTD

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO

0062

PROVINCE

NWT

CAMP

X

YES

NO

RIG SAFETY DAYS

25

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 Stiborn

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

2

DAY

29

OPERATOR

APACHE CANADA LTD

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO

0062

PROVINCE

NWT

CAMP

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YES

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25

MORNING TOUR

FROM

0

TO

1200

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CREW

SOC INS NO

NAME

HRS

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FLOOR HAND

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12.00

JA

FLOOR HAND

Ken Stiborn

12.00

KS

2ND DERRICK HAND

JASON ZELLER

12.00

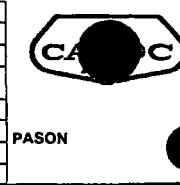
JZ

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) Downhole Inspection - Visually (Using Check List)
 (3) H2S Signs Posted if Required
 (4) Well Location & Block Diagram Posted
 (5) Flow Lines Checked
 (6) BOP Data Performance
 (7) Visually Inspected BOPs - Flow Lines & Driveline Lines
 (8) Rig Site Health & Safety Meeting (once a month)
 (9) CADCOC Rig Safety Inspection Checklist (once a month)
 (10) Mast Inspection before Raising or Lowering
 (11) Crown Block Checked
 (12) Motor Winch Checked

YEAR 2004 MONTH 3 DAY 1
 LAST CASING TUBING ON LINER
 FUEL @ 08:00 HRS
 TEMPERATURE
 CURRENT CONDITIONS
 WIND DIRECTION
 ROAD CONDITION
 SHALE SHAKER (S)
 RENTALS / SERVICES
 MORNING
 DAY

RIG DATE 2004/03/03
 RIG RELEASE 2004/03/20
 WELL TYPE
 OPERATOR'S AFE NT040210
 KELLY BSHG
 CONTRACTOR'S JOB MAN 2961A
 TOUR SHEET SERIAL NUM
 VENDOR SOFTWARE VERSION



CODE NO																										SHALE SHAKER (S)		RENTALS / SERVICES		MORNING		DAY			
																										NO		TYPE		CREW VEHICLE		80600			
																										1		SWACO		LOADER					
																										SCREDS		NEW							
																										CHANGED		USED							
																										110		TOP		MIDDLE					

WELL NAME & NO

Apache Paramount Nogha B-23

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

(1) Daily Walk Around Inspection
(2) Disabled Inspection Weekly (Using Check List)
(3) HDS Signs Posted if Required
(4) Well Location & Data Diagram Posted
(5) Flow Lines Checked
(6) BOP Data Performed
(7) Visually Inspect BOP's Flare Lines & Depressure Lines
(8) Rig Site Health & Safety Meeting (enrollment record)
(9) CHOCOC Rig Safety Inspection Checklist (enrollment record)
(10) Most Inspection Indicators Passing or Lowering
(11) Crown Sensor Checked
(12) Motor Ribs Checked

DRILLING CREW PAYROLL DATA

WELL NAME & NO

Apache Paramount Nogha B-23

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO

0062

PROVINCE

NWT

CAMP

X YES

NO SAFETY DAYS

27

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 Stiborn

12.00

KS

2ND DERRICK HAND

JASON ZELLER

12.00

JZ

RATE SCHEDULE

X REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

27

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

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

RATE SCHEDULE

X REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

27

WELL NAME & NO		Apache Paramount Nogha B-23		DAILY CHECKS		YEAR 2004 MONTH 3 DAY 3		LAST CHASING TUBING OR LINER		O.D. (mm)		I.D. (mm)		MASS (kg/m)		GRADE		NO. OF JOINTS		TO ALL LENGTH		TO C.D. HEAD		SET AT (m)		SPUD DATE		TIME		7.00																																																									
OPERATOR		APACHE CANADA LTD		CONTRACTOR		NABORS DRILLING		REG NO		0062		FUEL @ 08.00 HRS		BOILER		TEMPERATURE		DC/UP		MASS		MINIMUM I.D.		T.J.T. O.D.		TYPE		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH																																																							
SURFACE LOCATION		66 32 05 69 N 125 40 33 24 W		UNIQUE ID		300B236640125450		SIGNATURE OF OPERATOR'S REPRESENTATIVE		DALE HIGHBERG		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 Requested		(4) Well License & Stack Diagram Posted		(5) Flow Lines Inspected		(6) JICOP Data Performed		(7) Visually Inspect BOP's Flow Lines & Degasser Lines		(1) Rig Safety Meeting (before start of work)		(2) CADCOC Rig Safety Inspection Checklist (before start of work)		(3) Mast Inspection before Raising or Lowering		(4) Crown Block Checked		(5) Hoist Kibs Checked																																															
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		NO. 1		TYPE		CREW VEHICLE		81000		MORNING		DAY		SHALE SHAKER (S)		RENTALS / SERVICES		MORNING		DAY		DRILLING CREW PAYROLL DATA		WELL NAME & NO.		YEAR		MONTH		DAY																																																					
MORN		DRILL ACTUAL		REAMING		CORING		CORD MUD & CIRC		TRIPS		RIG SERVICE		REPAIR RIG		OUT OFF ORLO LINE		DEV SURVEY		WIRELINE LOGS		RUN C&C A CEMENT		WAIT ON CEMENT		NIPPLE UP B O P		TEST B O P		DRILLSTEM TEST		PLUG BACK		SQUEEZE CEMENT		FISHING		OIL WORK		SAFETY MEETING		TOTALS		NO. 1		TYPE		CREW VEHICLE		81000		MORNING		DAY																																	
DAY		DRILL ACTUAL		REAMING		CORING		CORD MUD & CIRC		TRIPS		RIG SERVICE		REPAIR RIG		OUT OFF ORLO LINE		DEV SURVEY		WIRELINE LOGS		RUN C&C A CEMENT		WAIT ON CEMENT		NIPPLE UP B O P		TEST B O P		DRILLSTEM TEST		PLUG BACK		SQUEEZE CEMENT		FISHING		OIL WORK		SAFETY MEETING		TOTALS		NO. 1		TYPE		CREW VEHICLE		81000		MORNING		DAY																																	
TOTAL		DRILL ACTUAL		REAMING		CORING		CORD MUD & CIRC		TRIPS		RIG SERVICE		REPAIR RIG		OUT OFF ORLO LINE		DEV SURVEY		WIRELINE LOGS		RUN C&C A CEMENT		WAIT ON CEMENT		NIPPLE UP B O P		TEST B O P		DRILLSTEM TEST		PLUG BACK		SQUEEZE CEMENT		FISHING		OIL WORK		SAFETY MEETING		TOTALS		NO. 1		TYPE		CREW VEHICLE		81000		MORNING		DAY																																	
NO		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		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																											
BIT		O.D.		BIT NO.		SIZE		MCC CODE		MANUFACTURER		TYPE		SERIAL NO.		JETS		DEPTH OUT (m)		DEPTH IN (m)		TOTAL DRILLED (m)		TOTAL HRS RUN		CUTTING STRUCTURE		T1		T2		MDC		LOC		BRO		GAGE		ODC		REASON PULLED		TOTAL RUN (HRS)		HOLE CONDITION		HOLE DRAG		TORQUE AT BOTTOM		FILL ON BOTTOM (m)		WT OF D.C.		WT OF STRING		DRILLER SIGNATURE		CARL BREAU		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MANIFOLD VALVES		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES	
MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
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MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
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MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
MUD TYPE		WATER BASED		OIL BASED		FROM		TO		D-R-C		RPM		WOB		FROM		TO		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		DRILLER SIGNATURE		ANDY KAMBITES		SPECIAL EVENT		TIME / DEPTH		SAFETY TOPIC		MEL		MAP		PRESSURE TESTING		DRIVERS		CREW SAFETY DAYS		28		DAY TOUR		FROM 1200 TO 2400		INJURIES																																			
MUD TYPE		WATER BASED																																																																																					

[illegible]

Apache Paramount Nogha B-23

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 Health and Safety Meeting (enrolment/attendance)

2) Daily Health and Safety Inspection (enrolment/attendance)

3) H2S Signs Posted if Required

4) Well License & Block Diagrams Posted

5) Flow Lines Inspected

6) H2S Data Posted

7) Visually Inspected BOPs, Flow Lines & Degasser Lines

8) Rig Site Health & Safety Meeting (enrolment/attendance)

9) C/OOC Rig Safety Inspection Checklist (enrolment/attendance)

10) Best Inspection before Resuming or Lowering

11) Crown Saver Checked

12) Motor KIL Checked

2004 3 5

FUEL @ 01:00 HRS

TEMPERATURE

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

ICE

LAST CASING TUBING OR LKIER

339 7

311 4

10

244.5

228.0

58

MASS

GRADE

MINIMUM L2

1 JNT

O.D.

TYPE

THREAD

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

3

45

60.53

4.45

60.00

1.80

45

605.31

4.40

604.00

ASDPT

OILWELL

203

ASDPT

OILWELL

203

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 MAN

2961A

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO

APACHE CANADA LTD

CONTRACTOR

NABORS DRILLING

RIG MANAGER

DALE HIGHBERG

RIG NO

0062

PROVINCE

NWT

CAMP

X

YES

NO

RIG SAFETY DAYS

30

MORNING TOUR

FROM

0

TO

1200

INJURES

CREW

SOC INS NO

NAME

HRS

YES

NO

DRILLER

Andy Kambites

8.00

AK

DERRICK HAND

Aaron Tracy Gould

8.00

AG

MOTOR HAND

Robert Ashe

8.00

RA

FLOOR HAND

Josh Abney

8.00

JA

FLOOR HAND

Ken Stiborn

8.00

KS

2ND DERRICK HAND

JASON ZELLER

8.00

JZ

RATE SCHEDULE

REGULAR

REPAIR

X

INVERT

CREW SAFETY DAYS

30

DRIVERS

DAY TOUR

FROM

1200

TO

2400

INJURES

CREW

SOC INS NO

NAME

HRS

YES

NO

DRILLER

CARL BREAUULT

8.00

CB

DERRICK HAND

AL MCGLASHAN

8.00

AM

DERRICK HAND

Anthony Woodford

8.00

AW

FLOOR HAND

JASON IRVING

8.00

JJ

FLOOR HAND

SEAN JONSON

8.00

SJ

LEASE HAND

TERRY EDDIEAR

8.00

TE

DRILLER

Marty Way

8.00

MW

DERRICK HAND

Anthony Woodford

8.00

AW

MOTOR HAND

CARL PRETTY

8.00

CP

FLOOR HAND

Sedman Coles

8.00

SC

FLOOR HAND

Boyd Butt

8.00

BB

LEASE HAND

Jack Walker

10.00

JW

LEASE HAND

Gerald Pierrot

8.00

GP

RATE SCHEDULE

REGULAR

REPAIR

X

INVERT

CREW SAFETY DAYS

30

DRIVERS

[illegible]

[illegible]

LICENSE NO		WELL NAME & NO		APACHE PARAMOUNT NOGHA B-23		DAILY CHECKS		YEAR		MONTH		DAY		RIG NO		RIG NAME		GRADE		NO. OF JOINTS		TOTAL LENGTH		NO. TO CIRC HEAD		SET AT (m)	
OPERATOR		CONTRACTOR		APACHE CANADA LTD		NABORS DRILLING		0062		0062		0062		0062		0062		K55		3		60.53		4.45		60.00	
SURFACE LOCATION		UNIQUE ID		66 32 05 69 N 125 40 33 24 W		300B236640125450		FUEL @ 04.00 HRS		0062		0062		0062		0062		L80		45		605.31		4.40		604.00	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		BILL MURRAY		DALE HIGHBERG		TEMPERATURE		0062		0062		0062		0062		A600PT		OILWELL		A600PT		OILWELL		203	
CODE NO		1		2		3		4		5		6		7		8		9		10		11		12		13	
RIGUP & TENDDOWN		DRILL ACTUAL		REARMING		CORING		COND MUD & CIRC		TRIPS		NO SERVICE		REPAIR NO		CUT OFF DRILL LINE		DEV SURVEY		WIRELINE LOGS		RUN CEMENT		WAIT ON CEMENT		APPLY UP & D.P.	
MOTOR		10.25								0.25		1.00				0.25											
DAY		2.75						0.50		8.50		0.25															
TOTAL		13.00						0.50		8.50		0.50		1.00		0.25											
NO		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH		BIT RECORD		MORNING TOUR		MUD RECORD		METRES DRILLED		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		CREW CAB		LOADER		MORNING		DAY			
1		MOTOR		185		7.83		SIZE		216 0		TIME		200		600		1000		1211.00		1254 00		D		120	
1		MONEL		185		9.47		HDC CODE				DENSITY (kg/m3)		1100		1140		1135									
1		HANG OFF SUB		185		0.96		MANUFACTURER		HUGHES		FUNNEL VISCOSITY		195		218		218									
1		MONEL		185		9.47		TYPE		HCM404		FLUID LOSS (cm3)															
1		D.C.		185		54.57		SERIAL NO.		7103334		PH															
1		JAR		180		4.70		JETS		16		15															
1		D.C.		185		80.38		JETS		16		16															
1		X.O.				0.99		JETS		16		16															
								MUD MATERIALS ADDED				SOLIDS CONTROL				CIRCULATION PRESSURE		PUMP NO 1		PUMP NO 2							
								PRODUCT		AMOUNT		UNIT		CENTRIFUGE				UNDER FLOW DENSITY		UNDER FLOW DENSITY							
								CAL CARB FIG		150		SX		HOURS RUN		INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY							
								TOTAL DRILLED (m)		650 00								REDUCED PUMP SPEED									
								TOTAL HRS RUN		84.25								2900		51		1212					
								CUTTING STRUCTURE										DEVIATION SURVEYS									
								TI		Tb		MDC		LOC		BRC		GAGE		ODC		REASON PULLED		TOTAL RUN HRS			
								HOLE CONDITION																			
								HOLE DRAG																			
								TORQUE AT BOTTOM		60																	
								FILL ON BOTTOM (m)																			
								TOTAL		1254 00																	
								WT OF D.C.		24																	
								WT OF STRING		44																	
NO		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH		BIT RECORD		DAY TOUR		MUD RECORD		METRES DRILLED		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		CREW CAB		LOADER		MORNING		DAY			
1		MOTOR		185		7.83		SIZE		216 0		TIME		1400		1800		2200		1254 00		1258 00		D		120	
1		MONEL		185		9.47		HDC CODE				DENSITY (kg/m3)		1130													
1		HANG OFF SUB		185		0.96		MANUFACTURER		HUGHES		FUNNEL VISCOSITY		218													
1		MONEL		185		9.47		TYPE		HCM404		FLUID LOSS (cm3)															
1		D.C.		185		54.57		SERIAL NO.		7103334		PH															
1		JAR		180		4.70		JETS		16		16		24		24											
1		D.C.		185		80.38		JETS		16		16		24		24											
1		X.O.				0.99		JETS		16		16		24		24											
								MUD MATERIALS ADDED				SOLIDS CONTROL				CIRCULATION PRESSURE		PUMP NO 1		PUMP NO 2							
								PRODUCT		AMOUNT		UNIT		CENTRIFUGE				UNDER FLOW DENSITY		UNDER FLOW DENSITY							
								CAL CARB O		123		SX		HOURS RUN		INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY							
								TOTAL DRILLED (m)		654 00								REDUCED PUMP SPEED									
								TOTAL HRS RUN		84.25								0		0		0					
								CUTTING STRUCTURE										DEVIATION SURVEYS									
								TI		Tb		MDC		LOC		BRC		GAGE		ODC		REASON PULLED		TOTAL RUN HRS			
								HOLE CONDITION																			
								HOLE DRAG																			
								TORQUE AT BOTTOM																			
								FILL ON BOTTOM (m)																			
								TOTAL		1258 00																	
								WT OF D.C.		24																	
								WT OF STRING		44																	
NO		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH		BIT RECORD		DAY TOUR		MUD RECORD		METRES DRILLED		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		CREW CAB		LOADER		MORNING		DAY			
1		MOTOR		185		7.83		SIZE		216 0		TIME		1400		1800		2200		1254 00		1258 00		D		120	
1		MONEL		185		9.47		HDC CODE				DENSITY (kg/m3)		1130													
1		HANG OFF SUB		185		0.96		MANUFACTURER		HUGHES		FUNNEL VISCOSITY		218													
1		MONEL		185		9.47		TYPE		HCM404		FLUID LOSS (cm3)															
1		D.C.		185		54.57		SERIAL NO.		7103334		PH															
1		JAR		180		4.70		JETS		16		16		24		24											
1		D.C.		185		80.38		JETS		16		16		24		24											
1		X.O.				0.99		JETS		16		16		24		24											
								MUD MATERIALS ADDED				SOLIDS CONTROL				CIRCULATION PRESSURE		PUMP NO 1		PUMP NO 2							
								PRODUCT		AMOUNT		UNIT		CENTRIFUGE				UNDER FLOW DENSITY		UNDER FLOW DENSITY							
								CAL CARB O		123		SX		HOURS RUN		INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY							
								TOTAL DRILLED (m)		654 00								REDUCED PUMP SPEED									
								TOTAL HRS RUN		84.25								0		0		0					
								CUTTING STRUCTURE										DEVIATION SURVEYS									
								TI		Tb		MDC		LOC		BRC		GAGE		ODC		REASON PULLED		TOTAL RUN HRS			
								HOLE CONDITION																			
								HOLE DRAG																			
								TORQUE AT BOTTOM																			
								FILL ON BOTTOM (m)																			
								TOTAL		1258 00																	
								WT OF D.C.		24																	
								WT OF STRING		44																	
NO		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH		BIT RECORD		DAY TOUR		MUD RECORD		METRES DRILLED		TIME LOG		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		CREW CAB		LOADER		MORNING		DAY			
1		MOTOR		185		7.83		SIZE		216 0		TIME		1400		1800		2200		1254 00		1258 00		D		120	
1		MONEL		185		9.47		HDC CODE				DENSITY (kg/m3)		1130													
1		HANG OFF SUB		185		0.96		MANUFACTURER		HUGHES		FUNNEL VISCOSITY		218													
1		MONEL		185		9.47		TYPE		HCM404		FLUID LOSS (cm3)															
1		D.C.		185		54.57		SERIAL NO.		7103334		PH															
1		JAR		180		4.70		JETS		16		16		24		24											
1		D.C.		185		80.38		JETS		16		16		24		24											
1		X.O.				0.99		JETS		16		16		24		24											
								MUD MATERIALS ADDED				SOLIDS CONTROL				CIRCULATION PRESSURE		PUMP NO 1		PUMP NO 2							
								PRODUCT		AMOUNT		UNIT		CENTRIFUGE				UNDER FLOW DENSITY		UNDER FLOW DENSITY							
								CAL CARB O		123		SX		HOURS RUN		INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY							
								TOTAL DRILLED (m)		654 00								REDUCED PUMP SPEED									
								TOTAL HRS RUN		84.25								0		0		0					
								CUTTING STRUCTURE										DEVIATION SURVEYS									
								TI		Tb		MDC		LOC		BRC		GAGE		ODC		REASON PULLED		TOTAL RUN HRS			
								HOLE CONDITION																			

WELL NAME & NO		Apache Paramount Nogha B-23		DAILY CHECKS		YEAR 2003 MONTH 3 DAY 9		LAST CASING TUBING OR LINER		GRADE		NO. OF JOINTS		10' L. LENGTH		NO. TO CDS HEAD		SET AT (m)		SPUD DATE		2004/02/08		TIME		17:00			
OPERATOR		APACHE CANADA LTD		CONTRACTOR		NABORS DRILLING		RIG NO.		0062		339.7		311.4		101		244.5		228.0		59.5		60.00		60.00		60.00	
SURFACE LOCATION		66 32 05 69 N 125 40 33 24 W		UNIQUE ID		300B236640125450		FUEL @ 01:00 HRS		155		24.58		SS 105		82		98		XT 39		A600PT		OIL WELL		203		203	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		BILL MURRAY		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DALE HIGHBERG		TEMPERATURE		27		4		25.68		SS 105		82		98		XT 39		A600PT		OIL WELL		203	
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		NO		TYPE	
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		NO		TYPE			
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		NO		TYPE			
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		NO		TYPE			
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		NO		TYPE			
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		NO		TYPE			
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		NO		TYPE			
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Apache Paramount Nogha B-23

APACHE CANADA LTD

66 32 05 69 N 125 40 33 24 W

BILL MURRAY

DALE HIGHBERG

DAILY CHECKS

DRILLING CREW PAYROLL DATA

DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DRILLER

DERRICK HAND

MOTOR HAND

FLOOR HAND

FLOOR HAND

LEASE HAND

DRILLER

DERRICK HAND

MOTOR HAND

FLOOR HAND

FLOOR HAND

LEASE HAND

WELL NAME AND NO Apache Paramount Nogha B-23						DAILY CHECKS (1) Daily Well Around Inspection (2) Detailed Inspection Weekly (Using Check List) (3) HGS Signs Present if Required (4) Well License & Block Diagrams Posted (5) Flow Lines Status (6) BOP Data Performance (7) Visually Inspect BOP's Flare Lines & Choke-off Lines (8) Rig Site Health & Safety Meeting (at least monthly) (9) CADCOC Rig Safety Inspection Checklist (at least weekly) (10) Visual Inspection before Raising or Lowering (11) Crown Beam Checked (12) Motor Kils Checked																			
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																			
CODE NO 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26																									
TOTAL 0.50 0.50 10.00 7.25 0.50 0.25 1.25 0.25 3.50 12.00 12.00 24.00																									
SHALE SHAKER (S) RENTALS / SERVICES MORNING DAY																									
NO TYPE TYPE CREW CAB (red) 25377																									
NO TYPE TYPE LOADER 3813																									
TOP TOP																									
MIDDLE MIDDLE																									
BOTTOM BOTTOM																									
DRILLING CREW PAYROLL DATA																									
WELL NAME & NO Apache Paramount Nogha B-23 YEAR MONTH DAY 2004 3 12																									
OPERATOR APACHE CANADA LTD CONTRACTOR NABORS DRILLING																									
RIG MANAGER DALE HIGHBERG RIG NO 0062																									
PROVINCE NWT CAMP YES NO RIG SAFETY DAYS 37																									
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 Kevin Scherzer 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 37 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 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 37 DRIVERS																									

Form containing various sections: License No, Well Name, Operator, Contractor, Daily Checks, Drilling Crew Payroll Data, Morning Tour, Mud Record, Metres Drilled, Time Log, and various tables for drilling data.

LICENCE NO		L.L. NAME & NO		Apache Paramount Nogha B-23		DAILY CHECKS		YEAR MONTH DAY		LAST CASING TUBING OR LINER		O.D. (mm)		I.D. (mm)		MASS (kg)		GRADE		NO. OF JOINTS		TOTAL LENGTH		KGS TO CDS HEAD		SET AT (m)		RIG DATE		TIME		17 00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
OPERATOR		CONTRACTOR		NABORS DRILLING		(1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well License & Diagram Posted (5) Flow Lines Inspected (6) HOP Data Performance (7) Visually Inspect 900psi Flow Lines & Degasser Lines (8) Rig Gas Health & Safety Meeting (if unknown/needed) (9) CADC Rig Safety Inspection Checklist (if unknown/needed) (10) Mast Inspection before Raising or Lowering (11) Crown Saver Checked (12) MISC KHS Checked		RIG NO		0062		339.7		311.4		10.0		K55		3		60.53		4.45		60.00		RIG RELEASE		2004/03/20		TIME		00 00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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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		TEMPERATURE		CURRENT CONDITIONS		WIND DIRECTION		WIND SPEED		PUMP MANUFACTURER		PUMP TYPE		PUMP LENGTH		STROKE LENGTH		CONTRACTOR'S JOB NUM		2961A		YOUR SHEET SERIAL NUM		VENDOR SOFTWARE VERSION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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018		1019		1020		1021		1022		1023		1024		1025		1026		1027		1028		1029		1030		1031	

LICENCE NO		WELL NAME & NO		Apache Paramount Nogha B-23		JAILY CHECKS		YEAR 2004 MONTH 3 DAY 15		LAST CASING TUBING OR LINER		DD (Pm)		MP (Pm)		MAST (Pm)		NAME		GRADE		NO. OF JOINTS		TOTAL LENGTH		NO. TO CSD HEAD		SET AT (m)		SPUD DATE 2004/02/08		TIME 17:00																																																																																																																									
OPERATOR		CONTRACTOR		NABORS DRILLING		(1) Daily Well Around Inspection (2) Detailed Inspection Weekly (Using Check List) (3) 1125 Sign Post at Required (4) Well Location & Depth Diagram Posted (5) Flow Lines Diagram (6) BOP Drills Performed (7) Visually Inspect BOPs: Flow Lines & Degasser Lines (8) Rig See Health & Safety Meeting (on/offshore) (9) CAODC Rig Self Inspection Checklist (on/offshore) (10) Mast Inspection before Raising or Lowering (11) Crown Sensor Checked (12) Mast Kilo Checked		REG NO. 0062		FUEL @ 08:00 HRS		BOILER		TEMPERATURE		DC/EP		DC/OP		MASS		GRADE		MINIMUM LD		T. JNT. Q.D.		TYPE THREAD		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH																																																																																																																					
APACHE CANADA LTD		NABORS DRILLING		UNIQUE ID		300B236640125450		SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DALE HIGHBERG		CURRENT CONDITIONS		CLOUDY		WIND DIRECTION		NORTH		ROAD CONDITION		ICE		NO. 1		NO. 2		NO. 3		NO. 4		NO. 5		NO. 6																																																																																																																					
SURFACE LOCATION		66 32 05 69 N 125 40 33 24 W		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		DRILLING CREW PAYROLL DATA		WELL NAME & NO		YEAR		MONTH		DAY		OPERATOR		CONTRACTOR		RIG NO.		PROVINCE		CAMP		YES		NO		RIG SAFETY DAYS		40																																																																																																													
BILL MURRAY		DALE HIGHBERG		NO		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH		BIT RECORD		MORNING TOUR		MUD RECORD		METRES DRILLED		TIME LOG		CREW CAB (red)		25708		3861		TOP		MIDDLE		BOTTOM		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		RUN #1 AIT T.N.L.-C.N.L.-G.R.-L.D.T LOGS		RUN #2 D.S.L. E.M.S.-G.R. LOGS		V.S.P. LOGS		SHORTEN COMPOUND CHAIN CHANGE OIL IN COMPOUND CHANGE OIL IN DRAWWORKS REMOVE HEADS AND LINERS #2PUMP INSTALL NEW LINERS CHANGE WEAR PLATE GASKETS		CHECK BRAKELINKAGE, FUNCTION REMOTE CHOKE FUNCTION BLIND RAMS WHILE OUT OF HOLE		SECOND BOILER 12 HRS		FUEL @ 0800 HRS RIG 150 am 400 BBL 14,000 LITRES		DRILLER SIGNATURE		CARL BREAU		SPECIAL EVENT		TIME / DEPTH		LOGGING		46		4515		RATE SCHEDULE		REGULAR		REPAIR		X		INVERT		CREW SAFETY DAYS		40		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		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	

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

Signature of Contractor's Rig Manager: DALE HIGHBERG

Drilling Crew Payroll Data: Carl Breault, Al Mcglashan, Kevin Scherser, Jason Irving, Sean Jonson, Terry Eddiear

Day Tour: 1200 to 2400

Driller: Marty Way

Rate Schedule: Regular

Crew Safety Days: 41

LICENCE NO		WELL NAME & NO		Apache Paramount Nogha B-23		CONTRACTOR		NABORS DRILLING		DAILY CHECKS		YEAR		MONTH		DAY		LAST CASING TUBING ON LIVER		GRADE		NO. OF JOINTS		TOTAL LENGTH		SET AT (m)		SPUD DATE		TIME		17 00	
APACHE CANADA LTD		NABORS DRILLING		300B236640125450		SIGNATURE OF CONTRACTOR'S RIG MANAGER		DALE HIGHBERG		FUEL @ 08:00 HRS		0062		0062		0062		0062		0062		0062		0062		0062		0062		0062		0062	
SURFACE LOCATION		66 32 05 69 N 125 40 33 24 W		SIGNATURE OF OPERATOR'S REPRESENTATIVE		BILL MURRAY		DALE HIGHBERG		DAILY CHECKS		YEAR		MONTH		DAY		LAST CASING TUBING ON LIVER		GRADE		NO. OF JOINTS		TOTAL LENGTH		SET AT (m)		SPUD DATE		TIME		17 00	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16	
CORNO NO.		1		2		3		4		5		6		7		8		9		10													

[illegible]

DAILY CHECKS

(1)	Daily Walk Around Inspection
(2)	Detailed Inspection Weekly (Using Check List)
(3)	H2S Signs Posted if Required
(4)	Well License & Dick Diagram Posted
(5)	Flare Lines Rated
(6)	SO DPs Performed
(7)	Visually inspect SOPs- Flare Lines & Degreaser Lines
(1)	Rig Sea Health & Safety Meeting (onshore/month)
(2)	CADOC Rig Safety Inspection Checklist (onshore/month)
(3)	Meet Inspection before Raising or Lowering
(4)	Crown Sealer Checklist
(5)	Motor Kills Checklist

SPUD DATE	2004/02/06	TIME	17:00
RIG RELEASE	2004/03/20	TIME	00:00
WELL TYPE		RE-ENTRY	
OPERATOR'S AFE	NT040210		
WELLY BSG		OP FUEL	
CONTRACTOR'S JOB NUM	2961A		
TOUR SHEET SERIAL NUM			
VENDOR SOFTWARE VERSION			



		SHALE SHAKER (S)		RENTALS / SERVICES		MORNING	DAY
TOTALS	NO	TYPE	TYPE	CREW CAB (red)		26328	
	1	DOWN		LOADER		3980	
	SCREENS CHANGED		NEW USED				
12.00	50	TOP	TOP				
12.00		MIDDLE	MIDDLE				
24.00	50	BOTTOM	BOTTOM				

WELL NAME & NO.		YEAR	MONTH	DAY
Apache Paramount Nogha S-23		2004	3	19
OPERATOR		CONTRACTOR		
APACHE CANADA LTD		NABORS DRILLING		
RIG MANAGER		RIG NO		
DALE HIGHBERG		0062		
PROVINCE	CAMP	RIG SAFETY DAYS		
N W T	☒ YES ☐ NO	44		

[illegible][illegible][illegible]

CREW SAFETY DAYS	DRIVERS
44	

[illegible]