

LICENCE NO. 1995 WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE BOB BRAITHWAITE SIGNATURE OF CONTRACTOR'S RIG MANAGER BOB ROLFES/MICK HALLOCK

1. Daily Wellbore Inspection
2. Detailed Inspection - Weekly (Using Check List)
3. H2S Signs Posted if Required
4. Well License & Block Diagram Posted
5. Flow Line Stated
6. BOP Drills Performed
7. Visually Inspect BOPs - Flow Lines & Degasser Lines
8. Rig Site Health & Safety Meeting (once a month)
9. CADC Rig Safety Inspection Checklist (once a month)
10. Must inspect before Raising or Lowering
11. Crown Saver Checked
12. Motor K&B Checked

DATE: 2004/01/27 TIME: 23:00
RIG RELEASE: 2004/02/23 TIME: 23:59
WELL TYPE: RE-ENTRY
OPERATOR'S AFE: KELLIE BSHG
CONTRACTOR'S JOB NUM: 51
TOUR SHEET SERIAL NUM: 540
VENDOR SOFTWARE VERSION: DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34 YEAR 2004 MONTH 2 DAY 23
OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING
RIG MANAGER BOB ROLFES/MICK HALLOCK RIG NO. 51
PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 540

RATE SCHEDULE REGULAR REPAIR X INVERT
CREW SAFETY DAYS 28 DRIVERS

DAY TOUR FROM 800 TO 1600 INJURIES
CREW SOC INS. NO. NAME HRS YES NO
DRILLER DELBERT STADE 8.00 DS
DERRICK HAND GRAHAM SVATOS 8.00 GS
DERRICK HAND RANDY ABRA 8.00 RA
MOTOR HAND BRYAN KRAMPL 8.00 BK
MOTOR HAND DERRYL COOK 8.00 DC
FLOOR HAND CHARLES GULLY 8.00 CG
FLOOR HAND DENNIS BLANCHO 8.00 DB
LEASE HAND JEREMY RIVARD 8.00 JR
LEASE HAND MODESA EDDIBAR 8.00 ME

W.S.C. PAUL REYNOLDS 12.00 PNR

RATE SCHEDULE REGULAR REPAIR X INVERT
CREW SAFETY DAYS 28 DRIVERS

EVENING TOUR FROM 1600 TO 2400 INJURIES
CREW SOC INS. NO. NAME HRS YES NO
DRILLER DELBERT STADE 4.00 DS
DERRICK HAND GRAHAM SVATOS 4.00 GS
DERRICK HAND RANDY ABRA 4.00 RA
MOTOR HAND BRYAN KRAMPL 4.00 BK
MOTOR HAND DERRYL COOK 4.00 DC
FLOOR HAND CHARLES GULLY 4.00 CG
FLOOR HAND DENNIS BLANCHO 4.00 DB
LEASE HAND JEREMY RIVARD 4.00 JR
LEASE HAND MODESA EDDIBAR 4.00 ME

RATE SCHEDULE REGULAR REPAIR X INVERT
CREW SAFETY DAYS 28 DRIVERS

LICENCE NO. 1995 WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION BOB BRAITHWAITE SIGNATURE OF CONTRACTOR'S RIG MANAGER BOB ROLFES/MICK HALLOCK

DAILY CHECKS: (1) 5-15 Min Walk Around Inspection, (2) Detailed Inspection - Weekly (Using Check List), (3) HSE Signs Posted & Required, (4) Well Licence & Stick Diagram Posted, (5) Flare Lines Stated, (6) BOP Only Performed, (7) Visually Inspect BOPs: Flare Lines & Degress Lines, (8) Rig Site Health & Safety Meeting (on a regular basis), (9) CAODC Rig Safety Inspection Checklist (on a regular basis), (10) Must Inspect before Raising or Lowering, (11) Crown Saver Checked, (12) Motor Kibb Checked

2004 MONTH 2 DAY 22

RIG NO. 51 FUEL @ 08:00 HRS

BOILER 177

TEMPERATURE -28

CURRENT CONDITIONS

WIND DIRECTION

ROAD CONDITION

LAST CASTING TUBING OR LINER

O.D. (mm) 339.7

W.D. (mm) 315.3

MASS (kg/m3) 101.00

IPSCO

GRADE

NO. OF JOINTS 5

TOTAL LENGTH 61.00

KB TO CSG HEAD

SET AT (m) 61.00

SHALE SHAKER(S)

RENTALS / SERVICES

MORN DAY EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34

YEAR 2004 MONTH 2 DAY 22

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER BOB ROLFES/MICK HALLOCK

RIG NO. 51

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 539

MORNING TOUR FROM 0 TO 800 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 8.00 DS

DERRICK HAND GRAHAM SVATOS 8.00 GS

DERRICK HAND RANDY ABRA 8.00 RA

MOTOR HAND BRYAN KRAMPL 8.00 BK

MOTOR HAND DERRYL COOK 8.00 DC

FLOOR HAND CHARLES GULLY 8.00 CG

FLOOR HAND DENNIS BLANCHO 8.00 DB

LEASE HAND JEREMY RIVARD 8.00 JR

LEASE HAND MODESA EDDIBAR 8.00 ME

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

DAY TOUR FROM 800 TO 1600 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER BRUCE PRESTON 12.00 BP

DERRICK HAND CORY MARTEL 12.00 CM

MOTOR HAND BUDDY GULLY 12.00 BG

MOTOR HAND JOE KESKENY 12.00 JK

FLOOR HAND DERRICK SHAE 12.00 DS

FLOOR HAND LEON TRUREAU 12.00 LT

LEASE HAND TIMOTHY GRANDJAMBE 12.00 TG

LEASE HAND TERRENCE KELLY 8.00 TK

W.S.C. PAUL REYNOLDS 12.00 PNR

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

EVENING TOUR FROM 1600 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 4.00 DS

DERRICK HAND GRAHAM SVATOS 4.00 GS

DERRICK HAND RANDY ABRA 4.00 RA

MOTOR HAND BRYAN KRAMPL 4.00 BK

MOTOR HAND DERRYL COOK 4.00 DC

FLOOR HAND CHARLES GULLY 4.00 CG

FLOOR HAND DENNIS BLANCHO 4.00 DB

LEASE HAND JEREMY RIVARD 4.00 JR

LEASE HAND MODESA EDDIBAR 4.00 ME

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

[illegible]

LICENCE NO. 1995 APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT SIGNATURE OF CONTRACTOR'S RIG MANAGER BOB ROLFES

1. Daily Wellhead Inspection (10 min)
2. Detailed Inspection - Weekly (Using Check List)
3. H2S Signage Posted if Required
4. Well Licence & Stick Diagram Posted
5. Flow Line Status
6. BOP Drills Performed
7. Visually Inspect BOPs - Flow Lines & Degasser Lines
8. Rig Site Health & Safety Meeting (once a week)
9. CADC Rig Safety Inspection Checklist (once a week)
10. Mast Inspection before Raising or Lowering
11. Crown Saver Checked
12. Motor Kib Checked

YEAR 2004 MONTH 2 DAY 19

RIG NO. 51 LAST OASING TUBING OR LINER 339.7 315.3 101.00 IPSCO

GRADE K-55 NO. OF JOINTS 5 TOTAL LENGTH 61.60 HB TO CSG HEAD 61.00

TEMPERATURE 190

DC/OP 158 132.00 55 158 4.1/2X1 20 8P-80 NATIONAL 216

WIND DIRECTION 114 62.45 70 154 4.1/2 XH 51 8P-80 NATIONAL 216

ROAD CONDITION 114 24.70 G 92 114 4.1/2 XH

SHALE SHAKERS(S) RENTALS / SERVICES MORN DAY EVE

TRUCK SHOP

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34 YEAR 2004 MONTH 2 DAY 19

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER BOB ROLFES RIG NO. 51

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 536

MORNING TOUR FROM 0 TO 800 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 8.00 DS

DERRICK HAND GRAHAM SVATOS 8.00 GS

DERRICK HAND RANDY ABRA 8.00 RA

MOTOR HAND DERRYL COOK 8.00 DC

FLOOR HAND CHARLES GULLY 8.00 CG

FLOOR HAND DENNIS BLANCHO 8.00 DB

LEASE HAND JEREMY RIVARD 8.00 JR

LEASE HAND MODESA EDDIBAR 8.00 ME

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

24

DAY TOUR FROM 800 TO 1600 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER BRUCE PRESTON 12.00 BP

DERRICK HAND CORY MARTEL 12.00 CM

MOTOR HAND BUDDY GULLEY 12.00 BG

FLOOR HAND DERRICK SHAE 12.00 DS

FLOOR HAND LEON TRUREAU 12.00 LT

LEASE HAND TIMOTHY GRANDJAMBE 12.00 TG

W.S.C. PAUL REYNOLDS 12.00 PNR

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

24

EVENING TOUR FROM 1600 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 4.00 DS

DERRICK HAND GRAHAM SVATOS 4.00 GS

DERRICK HAND RANDY ABRA 4.00 RA

MOTOR HAND DERRYL COOK 4.00 DC

FLOOR HAND CHARLES GULLY 4.00 CG

FLOOR HAND DENNIS BLANCHO 4.00 DB

LEASE HAND JEREMY RIVARD 4.00 JR

LEASE HAND MODESA EDDIBAR 4.00 ME

RATE SCHEDULE REGULAR REPAIR X INVERT

CREW SAFETY DAYS DRIVERS

24

SPUD DATE	2004/01/27	TIME	23:00
RIG RELEASE	2004/02/23	TIME	23:59
WELL TYPE		RE-ENTRY	
OPERATOR'S AFE			
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM			
TOUR SHEET SERIAL NUM			
VENDOR SOFTWARE VERSION			



PASON DATAHUB

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.	YEAR	MONTH	DAY	
APACHE PARAMOUNT LAC MAUNOR C-34	2004	2	15	
OPERATOR	CONTRACTOR NAME			
APACHE CANADA LTD.	AKITA SAHTU DRILLING			
RIG MANAGER	RIG NO.			
BOB ROLFES	51			
PROVINCE	CAMP	RIG SAFETY DAYS		
N.W.T.	☒ YES ☐ NO	532		

[illegible]

DAY TOUR		FROM	TO	INJURIES	
CREW	SOC INS. NO.	NAME	HRS		YES NO
DRIILLER		DELBERT STADE	12.00		DS
DERRICK HAND		GRAHAM SVATOS	12.00		GS
MOTOR HAND		DERRYLL COOK	12.00		DC
FLOOR HAND		CHARLES GULLY	12.00		CG
FLOOR HAND		DENNIS BLANCHO	12.00		DB
LEASE HAND		JEREMY RIVARD	12.00		JR
LEASE HAND		MODESA EDDIBAR	12.00		ME
W.S.C		PAUL REYNOLDS	12.00		PNR
RATE SCHEDULE	X	REGULAR		REPAIR	INVERT
CREW SAFETY DAYS		DRIVERS			
20					

[illegible]

LICENCE NO. 1995 APACHE PARAMOUNT L'AC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT SIGNATURE OF CONTRACTOR'S RIG MANAGER BOB ROLFES

YEAR 2004 MONTH 2 DAY 14

RIG NO. 51

TEMPERATURE 35

WIND DIRECTION 158

ROAD CONDITION 114

ICE 114

SHALE SHAKER(S) 74

RENTALS / SERVICES 74

MORN DAY EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER BOB ROLFES

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 531

MORNING TOUR FROM 0 TO 800 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER ROD NEUFELD 8.00 RN

DERRICK HAND JACK GOULET 8.00 JG

MOTOR HAND ALLEN KELLY 8.00 AK

FLOOR HAND ABRAHAM TUTCHO 8.00 AT

FLOOR HAND ANTHONY DOCTOR 8.00 AD

LEASE HAND JOSPH BLANCHO 8.00 JB

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS 19

DAY TOUR FROM 800 TO 1600 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 12.00 DS

DERRICK HAND GRAHAM SVATOS 12.00 GS

MOTOR HAND DERRYL COOK 12.00 DC

FLOOR HAND CHARLES GULLY 12.00 CG

FLOOR HAND DENNIS BLANCHO 12.00 DB

LEASE HAND JEREMY RIVARD 12.00 JR

LEASE HAND MODISA EDDIBAR 12.00 ME

W.S.C. PAUL REYNOLDS 12.00 PNR

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS 19

EVENING TOUR FROM 1600 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER ROD NEUFELD 4.00 RN

DERRICK HAND JACK GOULET 4.00 JG

MOTOR HAND ALLEN KELLY 4.00 AK

FLOOR HAND ABRAHAM TUTCHO 4.00 AT

FLOOR HAND ANTHONY DOCTOR 4.00 AD

LEASE HAND JOSPH BLANCHO 4.00 JB

LEASE HAND ALEXIE ORLIAS 4.00 AO

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS 19

[illegible]

1995 APACHE PARAMOUNT LAC MAUNOIR C-34
APACHE CANADA LTD. AKITA SAHTU DRILLING
RICK PARKER
DAILY CHECKS
YEAR 2004 1 2 10
LAST CASING TUBING OR LINER
RIG NO. 51
FUEL @ 02.00 HRS
BOILER 1878
TEMPERATURE
CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

Table with 26 columns: CODE NO, RIGUP & TEARDOWN, DRILL ACTUAL, REAMING, CORING, CONDM MUD & CIRC, TRIPS, RIG SERVICE, REPAIR RIG, CUT OFF DRILL LINE, DEV. SURVEY, WIRELINE LOGS, RUN CSG & CEMENT, WAIT ON CEMENT, NIPPLE UP B.O.P., TEST B.G.P., DRILLSTEM TEST, PLUG BACK, SQUEEZE CEMENT, FISHING, DIR. WORK, SAFETY MEETING, THAW KELLY/PIPE SCREEN, BLOW LINE, THAW STAND PIPE, TOTALS, NO. TYPE OFTS, TYPE, TRUCK SHOP, MORN, DAY, EVE.

BIT RECORD, MORNING TOUR, MUD RECORD, METRES DRILLED, TIME LOG
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.

BIT RECORD, DAY TOUR, MUD RECORD, METRES DRILLED, TIME LOG
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.

BIT RECORD, EVENING TOUR, MUD RECORD, METRES DRILLED, TIME LOG
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.
MOTOR, MONEL, HANG OFF SUB, JAR, D.C., X.O., D.C., H.W.D.P.

SPUD DATE 2004/01/27 TIME 23:00
RIG RELEASE 2004/02/23 TIME 23:59
WELL TYPE RE-ENTRY
OPERATOR'S AFE
CONTRACTOR'S JOB NUM
TOUR SHEET SERIAL NUM
VENDOR SOFTWARE VERSION



PASON DATAHUB

Table with 10 columns: CREW, SOC INS. NO., NAME, HRS, YES, NO. Rows include crew members like BRUCE PRESTON, JASON KIMMY, BUDDY GULLY, DERRICK SHAH, LEON TRUREAU, TIMOTHY GRANDJAMBE, TERANCE KELLY, ROD NEUFELD, JACK GOULET, ALLEN KELLY, ABRAHAM TUTCHO, ANTHONY DOCTOR, GLEN GARDEBOIS, JOSEPH BLANCHO, PAUL REYNOLDS, DELBERT STADE, GRAHAM SVATOS, DERRYL COOK, CHARLES GULLY, DENNIS BLANCHO, JEREMY RIVARD, MODESA EDDIBAR.

[illegible]

LICENCE NO. 1995 WELL NAME: APACHE PARAMOUNT LAC MAUNOIR C-34 OPERATOR: APACHE CANADA LTD. CONTRACTOR NAME: AKITA SAHTU DRILLING SURFACE LOCATION: UNIQUE ID: SIGNATURE OF OPERATOR'S REPRESENTATIVE: ARNIE MERCHANT SIGNATURE OF CONTRACTOR'S RIG MANAGER: RICK PARKER

DAILY CHECKS: (1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) H2S Signs Posted & Required (4) Well Location & Block Diagram Posted (5) Flow Lines Stated (6) BOP Drills Performed (7) Visually Inspect BOPs, Flow Lines & Degasser Lines (8) Rig Site Health & Safety Meeting (once a week) (9) CAODC Rig Safe Inspection Checklist (once a month) (10) Most Inspection before Raising or Lowering (11) Major Valve Checked

TEMPERATURE: 44.52 DEGREE C CURRENT CONDITIONS: 158 132.00 55 158 4 1/2 XH 20 8P-80 NATIONAL 216 114 62.45 70 154 4 1/2 XH 51 8P-80 NATIONAL 216 114 24.70 G 92 114 4 1/2 XH

MASS: 339.7 315.3 101.00 IPSCO GRADE: K-55 5 61.60 SET AT (m): 61.00

NO. OF JOINTS: 5 TOTAL LENGTH: 61.60 NO. OF CSIG HEAD: 1

SPUD DATE: 2004/01/27 TIME: 23:00 RIG RELEASE: 2004/02/23 TIME: 23:59 WELL TYPE: RE-ENTRY OPERATOR'S AFE: KELLIE BSHO OP FUEL: CONTRACTOR'S JOB NUM: TOUR SHEET SERIAL NUM: VENDOR SOFTWARE VERSION:



TIME IN HRS.	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		MORN	DAY	EVE
		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DR. WORK	SAFETY MEETING	THAW SOCK	CHANGE CLUTCH					NO. OF JOINTS	TYPE	TRUCK SHOP				
																						0.25						8.00	SCREENING CHANGED	NEW USER					
																							0.50	2.00				8.00	100	TOP	100	TOP			
									0.25			0.25																8.00	100	MIDDLE	100	MIDDLE			
							3.75	0.50	1.00		0.25											0.25	0.50	2.00			24.00	74	BOTTOM	74	BOTTOM				

BIT RECORD: BIT NO. 6, O.D. 0.30, SIZE 311.0, WDC CODE, MANUFACTURER HUGHES, TYPE GTS20, SERIAL NO. 6019023, JETS, DEPTH OUT (m) 96.00, DEPTH IN (m) 62.00, TOTAL DRILLED (m) 34.00, TOTAL HRS RUN 5.75, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m), WT. OF D.C. 22, WT. OF STRING 22, STANDS, SINGLES, KELLY DOWN 12.50, TOTAL 75.70, WT. OF D.C. 22, FILL ON BOTTOM (m), WT. OF STRING 22, DRILLING ASSEMBLY (AT END OF TOUR), BIT RECORD, DAY TOUR, MUD RECORD, METRES DRILLED, TIME LOG.

MUD RECORD: MUD TYPE WATER BASED [X] OIL BASED, TIME 1330, DENSITY (kg/m3) 1130, FUNNEL VISCOSITY 54, FLUID LOSS (cm3) 10.5, pH 10.5, T.M.V. 30.60, MUD MATERIALS ADDED, SOLIDS CONTROL, CENTRIFUGE, PUMP NO. 1, PUMP NO. 2, CIRCULATION PRESSURE, REDUCED PUMP SPEED, DEVIATION SURVEYS, BOILERS, DRILLER SIGNATURE, SPECIAL EVENT, TIME / DEPTH.

METRES DRILLED: FROM 75.00 TO 96.00, D-R-C D, RPM 40, WOB 5, ELAPSED TIME 1.75, CODE 6, DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: TRIPS Wd 61/4 dc & run 9 inch in hole, DRILL 17/8-85, SAFETY MTG. b.o.p. drill, DRILL 18/5-96, RIG SERVICE, REPAIR RIG on pump clutch # 1.

TIME LOG: FROM 0800 TO 1400, ELAPSED TIME 1.75, CODE 6, DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: TRIPS Wd 61/4 dc & run 9 inch in hole, DRILL 17/8-85, SAFETY MTG. b.o.p. drill, DRILL 18/5-96, RIG SERVICE, REPAIR RIG on pump clutch # 1.

DRILLING CREW PAYROLL DATA: WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34, YEAR 2004, MONTH 2, DAY 7, OPERATOR APACHE CANADA LTD., CONTRACTOR NAME AKITA SAHTU DRILLING, RIG NO. 51, RIG MANAGER RICK PARKER, PROVINCE N.W.T., CAMP X, YES, NO, RIG SAFETY DAYS 524.

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRUCE PRESTON	8.00		BP
DERRICK HAND		JASON KIMMY	8.00		JK
MOTOR HAND		JOHN GRANDJAMBE	8.00		JG
FLOOR HAND		BUDDY GULLY	8.00		BG
FLOOR HAND		DERRICK SHAE	8.00		DS
LEASE HAND		LEON TRUREAU	8.00		LT
LEASE HAND		TERANCE KELLY	8.00		TK

BIT RECORD: BIT NO. 6, O.D. 0.30, SIZE 311.0, WDC CODE, MANUFACTURER HUGHES, TYPE GTS20, SERIAL NO. 6019023, JETS, DEPTH OUT (m) 62.00, DEPTH IN (m) 45.00, TOTAL DRILLED (m) 9.25, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m), WT. OF D.C. 24, WT. OF STRING 24, STANDS, SINGLES, KELLY DOWN 6.47, TOTAL 106.00, WT. OF D.C. 24, FILL ON BOTTOM (m), WT. OF STRING 24, DRILLING ASSEMBLY (AT END OF TOUR), BIT RECORD, DAY TOUR, MUD RECORD, METRES DRILLED, TIME LOG.

MUD RECORD: MUD TYPE WATER BASED [X] OIL BASED, TIME 1800, DENSITY (kg/m3) 1150, FUNNEL VISCOSITY 50, FLUID LOSS (cm3) 10.0, pH 9.0, T.M.V. 36.20, MUD MATERIALS ADDED, SOLIDS CONTROL, CENTRIFUGE, PUMP NO. 1, PUMP NO. 2, CIRCULATION PRESSURE, REDUCED PUMP SPEED, DEVIATION SURVEYS, BOILERS, DRILLER SIGNATURE, SPECIAL EVENT, TIME / DEPTH.

METRES DRILLED: FROM 106.00 TO 132.00, D-R-C D, RPM 42, WOB 6, ELAPSED TIME 2.00, CODE 2, DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: DRILL F-106-130, RIG SERVICE, DRILL F130-132, DEV. SURVEYS.

TIME LOG: FROM 1600 TO 2400, ELAPSED TIME 2.00, CODE 2, DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: DRILL F-106-130, RIG SERVICE, DRILL F130-132, DEV. SURVEYS.

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ROD NEUFELD	12.00		RN
DERRICK HAND		JACK GOULET	12.00		JG
MOTOR HAND		ALLEN KELLY	12.00		AK
FLOOR HAND		ABRAHAM TUTCHO	12.00		AT
FLOOR HAND		ANTHONY DOCTOR	12.00		AD
LEASE HAND		GLEN GARDEBOIS	12.00		GG
LEASE HAND		JOSPH BLANCHO	12.00		JB
W.S.C		PAUL REYNOLDS	12.00		PNR

BIT RECORD: BIT NO. 6, O.D. 0.30, SIZE 311.0, WDC CODE, MANUFACTURER HUGHES, TYPE GTS 20, SERIAL NO. 6019023, JETS, DEPTH OUT (m) 132.00, DEPTH IN (m) 62.00, TOTAL DRILLED (m) 70.00, TOTAL HRS RUN 16.75, CUTTING STRUCTURE, HOLE CONDITION, HOLE DRAG, TORQUE AT BOTTOM, FILL ON BOTTOM (m), WT. OF D.C. 26, WT. OF STRING 26, STANDS, SINGLES, KELLY DOWN 5.53, TOTAL 132.00, WT. OF D.C. 26, FILL ON BOTTOM (m), WT. OF STRING 26, DRILLING ASSEMBLY (AT END OF TOUR), BIT RECORD, EVENING TOUR, MUD RECORD, METRES DRILLED, TIME LOG.

MUD RECORD: MUD TYPE WATER BASED [X] OIL BASED, TIME 1800, DENSITY (kg/m3) 1150, FUNNEL VISCOSITY 50, FLUID LOSS (cm3) 10.0, pH 9.0, T.M.V. 36.20, MUD MATERIALS ADDED, SOLIDS CONTROL, CENTRIFUGE, PUMP NO. 1, PUMP NO. 2, CIRCULATION PRESSURE, REDUCED PUMP SPEED, DEVIATION SURVEYS, BOILERS, DRILLER SIGNATURE, SPECIAL EVENT, TIME / DEPTH.

METRES DRILLED: FROM 106.00 TO 132.00, D-R-C D, RPM 42, WOB 6, ELAPSED TIME 2.00, CODE 2, DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: DRILL F-106-130, RIG SERVICE, DRILL F130-132, DEV. SURVEYS.

TIME LOG: FROM 1600 TO 2400, ELAPSED TIME 2.00, CODE 2, DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: DRILL F-106-130, RIG SERVICE, DRILL F130-132, DEV. SURVEYS.

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRUCE PRESTON	4.00		BP
DERRICK HAND		JASON KIMMY	4.00		JK
MOTOR HAND		BUDDY GULLY	4.00		BG
FLOOR HAND		DERRICK SHAE	4.00		DS
FLOOR HAND		LEON TRUREAU	4.00		LT
LEASE HAND		TERANCE KELLY	4.00		TK

LICENCE NO. 1995 WELL NAME: APACHE PARAMOUNT LAC MAUNOIR C-34 OPERATOR: APACHE CANADA LTD. CONTRACTOR NAME: AKITA SAHTU DRILLING SURFACE LOCATION: UNIQUE ID: SIGNATURE OF OPERATOR'S REPRESENTATIVE: ARNIE MERCHANT SIGNATURE OF CONTRACTOR'S RIG MANAGER: RICK PARKER

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			MORN	DAY	EVE	
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	DRILL OUT	WORK ON H	WAIT ON H	DRILL OUT	WORK ON H	WAIT ON H	NO.	TYPE	TYPE	TRUCK SHOP						
MORN					1.00		0.25								0.50						0.25	0.25	5.25		0.50		8.00	SCREENS CHANGED		NEW/USED							
DAY																									2.00	6.00	8.00	100	TOP		100	TOP					
EVE		1.00			0.75		0.25	1.00							1.75	0.25					0.25				0.75		2.00	8.00	100	MIDDLE		100	MIDDLE				
TOTAL		1.00			1.75		0.50	1.00							1.75	0.75					0.50	0.25	5.25	0.75	2.50	8.00	24.00	74	BOTTOM			100	BOTTOM				

BIT RECORD: BIT NO. 6, O.D. 0.30, LENGTH 10.20, SIZE 311.0, MANUFACTURER HUGHES, TYPE GTS20, SERIAL NO. 6019023. MORNING TOUR: MUD TYPE WATER BASED, TIME 800, DENSITY 45, FLUID LOSS 9.5. METRES DRILLED: FROM 0 TO 800, TO 800, ELAPSED TIME 2.00. DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: SAFETY MTG. ON DRILLING MOUSE HOLE WITH MOTOR, DRILL MOUSE HOLE, RIG SERVICE, PICK UP & MAKE UP DIR TOOLS & PICK UP COLLARS, CIRC AIR OUT OF STRING, TEST B.O.P., REPAIR HSR VALVE.

BIT RECORD: BIT NO. 6, O.D. 0.30, LENGTH 10.20, SIZE 311.0, MANUFACTURER HUGHES, TYPE GTS20, SERIAL NO. 6019023. DAY TOUR: MUD TYPE WATER BASED, TIME 800, DENSITY 45, FLUID LOSS 9.5. METRES DRILLED: FROM 800 TO 1600, TO 1600, ELAPSED TIME 6.00. DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: WORK ON HCR VALVE, WAIT ON HCR VALVE.

BIT RECORD: BIT NO. 6, O.D. 0.30, LENGTH 10.20, SIZE 311.0, MANUFACTURER HUGHES, TYPE GTS20, SERIAL NO. 6019023. EVENING TOUR: MUD TYPE WATER BASED, TIME 800, DENSITY 45, FLUID LOSS 9.5. METRES DRILLED: FROM 1600 TO 2400, TO 2400, ELAPSED TIME 2.00. DETAILS OF OPERATIONS IN SEQUENCE & REMARKS: WAIT ON HCR VALVE, INSTALL NEW HCR VALVE, TEST B.O.P., SAFETY MTG. B.O.P. DRILL, DRILL OUT CEMENT, DISPLACE HOLE TO MUD, DRILL 162-72, REPAIR RIG work on air lines to pump #1, DRILL 72-75.

SPUD DATE: 2004/01/27, TIME: 23:00, RIG RELEASE: 2004/02/23, TIME: 23:59, WELL TYPE: RE-ENTRY, OPERATOR'S AFE: KELLIE BISHOP, CONTRACTOR'S JOB NUM: 51, TOUR SHEET SERIAL NUM: 523, VENDOR SOFTWARE VERSION: PASON DATAHUB

DRILLING CREW PAYROLL DATA: WELL NAME & NO: APACHE PARAMOUNT LAC MAUNOIR C-34, YEAR: 2004, MONTH: 2, DAY: 6, OPERATOR: APACHE CANADA LTD., CONTRACTOR NAME: AKITA SAHTU DRILLING, RIG MANAGER: RICK PARKER, RIG NO: 51, PROVINCE: N.W.T., CAMP: X, YES, NO, RIG SAFETY DAYS: 523

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRUCE PRESTON	8.00		BP
DERRICK HAND		JASON KIMMY	8.00		JK
MOTOR HAND		JOHN GRANDJAMBE	8.00		JG
FLOOR HAND		BUDDY GULLY	8.00		BG
FLOOR HAND		DERRICK SHAE	8.00		DS
LEASE HAND		LEON TRUREAU	8.00		LT
LEASE HAND		TERANCE KELLY	8.00		TK

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		ROD NEUFELD	12.00		RN
DERRICK HAND		JACK GOULET	12.00		JG
MOTOR HAND		ALLEN KELLY	12.00		AK
FLOOR HAND		ABRAHAM TUTCHO	12.00		AT
FLOOR HAND		ANTHONY DOCTOR	12.00		AD
LEASE HAND		GLEN GARDEBOIS	12.00		GG
LEASE HAND		JOSPH BLANCHO	12.00		JB
W.S.C		PAUL REYNOLDS	12.00		PNR

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRUCE PRESTON	4.00		BP
DERRICK HAND		JASON KIMMY	4.00		JK
MOTOR HAND		JOHN GRANDJAMBE	4.00		JG
FLOOR HAND		BUDDY GULLY	4.00		BG
FLOOR HAND		DERRICK SHAE	4.00		DS
LEASE HAND		LEON TRUREAU	4.00		LT
LEASE HAND		TERANCE KELLY	4.00		TK

LICENCE NO. 1995		APACHE PARAMOUNT LAC MAUNOIR C-34		DAILY CHECKS		RIG NO. 51		O.G. (mm) 339.7		M.H.D. (mm) 315.3		MASS (kg/m3) 101.00		IPSCO		GRADE K-55		NO. OF JOINTS 5		TOTAL LENGTH 61.60		K8 TO CSG HEAD		SET AT (m) 61.00		RIG RELEASE DATE 2004/01/27		TIME 23:00		RIG TYPE 2004/02/23		TIME 23:59		WELL TYPE		RE-ENTRY		OPERATOR'S AFE		KELLY BSHG		OP FUEL		CONTRACTOR'S JOB NUM		TOUR SHEET SERIAL NUM		VENDOR SOFTWARE VERSION		PASON DATAHUB	
OPERATOR APACHE CANADA LTD.		CONTRACTOR NAME AKITA SAHTU DRILLING		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D.		TYPE THESAG		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		RIG NO. 51		RIG SAFETY DAYS 522		YEAR 2004		MONTH 2		DAY 5			
SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT		SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER		UNIQUE ID		RIG NO. 229		FUEL @ 04:00 HRS. 222		TEMPERATURE -20		CURRENT CONDITIONS WIND		WIND DIRECTION EAST		ROAD CONDITION ICE		DC/DP		DC/DP SIZE		MASS		GRADE		MINIMUM I.D.		T.J.T. O.D																							

LICENCE NO. 1995 APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER

DAILY CHECKS

2004 MONTH 2 DAY 4

RIG NO. 51 FUEL @ 08:00 HRS 1259

TEMPERATURE 28

CURRENT CONDITIONS WIND DIRECTION 158 132.00 55 158 4 1/2XH 20 8P-80 NATIONAL 216

WIND SPEED 114 62.45 70 154 4 1/2 XH 51 8P-80 NATIONAL 216

ROAD CONDITION K25 114 24.70 G 92 114 4 1/2 XH

SHALE SHAKER(S) RENTALS / SERVICES MORN DAY EVE

TRUCK SHOP

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34 YEAR 2004 MONTH 2 DAY 4

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER RICK PARKER RIG NO. 51

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 521

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS 9

DAY TOUR FROM 800 TO 1600 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER BRUCE PRESTON 8.00 BP

DERRICK HAND JASON KIMMY 8.00 JK

MOTOR HAND JOHN GRANDJAMBE 8.00 JG

FLOOR HAND BUDDY GULLY 8.00 BG

FLOOR HAND DERRICK SHAE 8.00 DS

LEASE HAND LEON TRUREAU 8.00 LT

LEASE HAND TERANCE KELLY 8.00 TK

W.S.C. PAUL REYNOLDS 12.00 PNR

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS 9

DAY TOUR FROM 1600 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER BRUCE PRESTON 4.00 BP

DERRICK HAND JASON KIMMY 4.00 JK

MOTOR HAND JOHN GRANDJAMBE 4.00 JG

FLOOR HAND BUDDY GULLY 4.00 BG

FLOOR HAND DERRICK SHAE 4.00 DS

LEASE HAND LEON TRUREAU 4.00 LT

LEASE HAND TERANCE KELLY 4.00 TK

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS 9

LICENCE NO.
1995

WELL NAME & NO.
APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR
APACHE CANADA LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE
ARNIE MERCHANT

CONTRACTOR NAME
AKITA SAHTU DRILLING

UNIQUE ID

SIGNATURE OF CONTRACTOR'S RIG MANAGER
RICK PARKER

DAILY CHECKS
(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) 1425 Sign Posted if Required
(4) Well License & Risk Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP, Flare Lines & Degasser Lines
(8) RIG Site Health & Safety Meeting (once per month)
(9) CADC Rig Safe Inspection Checklist (once per month)
(10) Mast Inspection before Raising or Lowering
(11) Crown Saver Checked
(12) Motor Ribs Checked

YEAR 2004 MONTH 2 DAY 3

RIG NO. 51

FUEL @ 08:00 HRS
6932

TEMPERATURE
1337

DC/OP
158

MASS
132.00

GRADE
55

MINIMUM I.D.
158

T. INT. O.D.
4 1/2 XH

TYPE
20

NO. OF JOINTS
51

PUMP TYPE
8P-80

PUMP MANUFACTURER
NATIONAL

STROKE LENGTH
216

WIND DIRECTION
114

ROAD CONDITION
62.45

SHALE SHAKER(S)
92

RENTALS / SERVICES
114

MORN
216

DAY
216

EVE

SPUD DATE
2004/01/27

TIME
23:00

RIG RELEASE
2004/02/23

RE-ENTRY
23:59

WELL TYPE

OPERATOR'S AFE
KELLY BSHG

CONTRACTOR'S JOB NUM

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO.
APACHE PARAMOUNT LAC MAUNOIR C-34

YEAR
2004

MONTH
2

DAY
3

OPERATOR
APACHE CANADA LTD.

CONTRACTOR NAME
AKITA SAHTU DRILLING

RIG MANAGER
RICK PARKER

RIG NO.
51

PROVINCE
N.W.T.

CAMP
X

YES
NO

RIG SAFETY DAYS
520

MORNING TOUR
FROM 0 TO 800

INJURIES

CREW
SOC INS. NO.
NAME
HRS
YES
NO

DRILLER
DELBERT STADE
8.00
DS

DERRICK HAND
GRAHAM SVATOS
8.00
GS

MOTOR HAND
DERRYL COOK
8.00
DC

FLOOR HAND
CHARLES GULLY
8.00
CG

FLOOR HAND
DENNIS BLANCHO
8.00
DB

LEASE HAND
JEREMY RIVARD
8.00
JR

LEASE HAND
MODESA EDDIBAR
8.00
ME

RATE SCHEDULE
X
REGULAR
REPAIR
INVERT

CREW SAFETY DAYS

DRIVERS

DAY TOUR
FROM 800 TO 1600

INJURIES

CREW
SOC INS. NO.
NAME
HRS
YES
NO

DRILLER
BRUCE PRESTON
8.00
BP

DERRICK HAND
JASON KIMMY
8.00
JK

MOTOR HAND
JOHN GRANDJAMBE
8.00
JG

FLOOR HAND
BUDDY GULLY
8.00
BG

FLOOR HAND
DERRICK SHAE
8.00
DS

LEASE HAND
LEON TRUREAU
8.00
LT

LEASE HAND
TERANCE KELLY
8.00
TK

RATE SCHEDULE
X
REGULAR
REPAIR
INVERT

CREW SAFETY DAYS

DRIVERS

EVENING TOUR
FROM 1600 TO 2400

INJURIES

CREW
SOC INS. NO.
NAME
HRS
YES
NO

DRILLER
ROD NEUFELD
8.00
RN

DERRICK HAND
JACK GOULET
8.00
JG

MOTOR HAND
ALLEN KELLY
8.00
AK

FLOOR HAND
ABRAHAM TUTCHO
8.00
AT

FLOOR HAND
ANTHONY DOCTOR
8.00
AD

LEASE HAND
GLEN GARDEBOIS
8.00
GG

LEASE HAND
JOSPH BLANCHO
8.00
JB

W.S.C
PAUL REYNOLDS
8.00
PNR

RATE SCHEDULE
X
REGULAR
REPAIR
INVERT

CREW SAFETY DAYS

DRIVERS

LICENCE NO. 1995 APACHE PARAMOUNT LAC MAUNOIR C-34

CONTRACTOR NAME AKITA SAHTU DRILLING

UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT

SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER

DAILY CHECKS

YEAR 2004 MONTH 2 DAY 2

RIG NO. 51

FUEL @ 08:00 HRS 211

TEMPERATURE

DC/DP

MASS

GRADE

MINIMUM I.D.

T. INT. O.D.

TYPE

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

WIND DIRECTION

ROAD CONDITION

SHALE SHAKES(S)

RENTALS / SERVICES

MORN

DAY

EVE

SPUD DATE 2004/01/27 TIME 23:00

RIG RELEASE 2004/02/23 TIME 23:59

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

YOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION



PASON DATAHUB

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 SHAKE(S)		RENTALS / SERVICES		MORN	DAY	EVE	
	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO	TYPE OFPTS	TYPE	TRUCK SHOP			
MORN		4.25	1.25				0.25			0.25													2.00				8.00	SCREENS CHANGED	NEW/USED						
DAY		3.50	0.75		1.25	2.25	0.25																			8.00	100	TOP	100	TOP					
EVE			7.75				0.25																				8.00	100	MIDDLE	100	MIDDLE				
TOTAL		7.75	9.75		1.25	2.25	0.75			0.25													2.00			24.00	74	BOTTOM	74	BOTTOM					

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

BIT NO. 4RR

SIZE 311.0

WDC CODE 5 1 7

MANUFACTURER HUGHES

TYPE GT-20

SERIAL NO. 6019004

JETS

DEPTH OUT (m) 33.00

DEPTH IN (m) 22.00

TOTAL DRILLED (m) 22.00

TOTAL HRS RUN 9.75

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD TYPE WATER BASED OIL BASED

TIME 600

DENSITY (kg/m3) 1140

FUNNEL VISCOSITY 105

FLUID LOSS (cm3) 10.0

pH

MUD MATERIALS ADDED

PRODUCT AMOUNT UNIT

GEL 40 SX

CENTRIFUGE

HOURS RUN INTAKE DENSITY OVER FLOW DENSITY UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

BOILERS

HRS RUN 8.00 HRS RUN

BOILER pH 10.5 BOILER pH

STACK TEMP 400 STACK TEMP

DRILLER SIGNATURE DELBERT STADE

TIME / DEPTH

SAFETY TOPIC MEHL MACP

FUNCTION CROWN SAVER

BLOW BOILER 4 X EACH 160 LITERS

BOILER NO. 2 8 HRS

REVIEW JSA ON LAYDOWN + PICK UP COLLARS

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

BIT NO. 4RR

SIZE 311.0

WDC CODE 5 1 7

MANUFACTURER HUGHES

TYPE GT-20

SERIAL NO. 6019004

JETS

DEPTH OUT (m) 62.00

DEPTH IN (m) 33.00

TOTAL DRILLED (m) 29.00

TOTAL HRS RUN 13.25

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM 0

FILL ON BOTTOM (m)

MUD TYPE WATER BASED OIL BASED

TIME 800 1300 1500

DENSITY (kg/m3) 1140 1140 1140

FUNNEL VISCOSITY 105 100 95

FLUID LOSS (cm3) 9.0 9.0 9.0

pH

MUD MATERIALS ADDED

PRODUCT AMOUNT UNIT

CAUSTIC 1 SX

CENTRIFUGE

HOURS RUN INTAKE DENSITY OVER FLOW DENSITY UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

BOILERS

HRS RUN 8.00 HRS RUN

BOILER pH 10.5 BOILER pH

STACK TEMP 440 STACK TEMP

DRILLER SIGNATURE BRUCE PRESTON

TIME / DEPTH

SAFETY TOPIC MEHL MACP

CHECK CROWNSAVER, DEADLINE ANCHORS

#2 BOILER 8 HRS

BLEWDOWN BOILERS 4X= 160 LTR

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

BIT NO. 4RR

SIZE 311.0

WDC CODE 5 1 7

MANUFACTURER HUGHES

TYPE GT-20

SERIAL NO. 6019004

JETS

DEPTH OUT (m) 62.00

DEPTH IN (m) 33.00

TOTAL DRILLED (m) 29.00

TOTAL HRS RUN 13.25

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD TYPE WATER BASED OIL BASED

TIME 1830 1140 138

DENSITY (kg/m3) 1140

FUNNEL VISCOSITY 138

FLUID LOSS (cm3) 10.5

pH

MUD MATERIALS ADDED

PRODUCT AMOUNT UNIT

CENTRIFUGE

HOURS RUN INTAKE DENSITY OVER FLOW DENSITY UNDER FLOW DENSITY

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

BOILERS

HRS RUN 8.00 HRS RUN

BOILER pH 10.5 BOILER pH

STACK TEMP 400 STACK TEMP

DRILLER SIGNATURE DELBERT STADE

TIME / DEPTH

SAFETY TOPIC MEHL MACP

FUNCTION CROWN SAVER

BLOW BOILER 4 X EACH 160 LITERS

BOILER NO. 2 8 HRS

REVIEW JSA ON LOADER OPERATION

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34

YEAR 2004 MONTH 2 DAY 2

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER RICK PARKER RIG NO. 51

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 518

MORNING TOUR FROM 0 TO 800 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DELBERT STADE	8.00		DS
DERRICK HAND		GRAHAM SVATOS	8.00		GS
MOTOR HAND		DERRYL COOK	8.00		DC
FLOOR HAND		CHARLES GULLY	8.00		CG
FLOOR HAND		DENNIS BLANCHO	8.00		DB
LEASE HAND		JEREMY RIVARD	8.00		JR
LEASE HAND		MODESA EDDIBAR	8.00		ME

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

DAY TOUR FROM 800 TO 1600 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		BRUCE PRESTON	12.00		BP
DERRICK HAND		JASON KIMMY	12.00		JK
MOTOR HAND		JOHN GRANDJAMBE	12.00		JG
FLOOR HAND		BUDDY GULLY	12.00		BG
FLOOR HAND		DERRICK SHAE	12.00		DS
LEASE HAND		LEON TRUREAU	12.00		LT
LEASE HAND		TERANCE KELLY	12.00		TK

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

EVENING TOUR FROM 1600 TO 2400 INJURIES

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DELBERT STADE	4.00		DS
DERRICK HAND		GRAHAM SVATOS	4.00		GS
MOTOR HAND		DERRYL COOK	4.00		DC
FLOOR HAND		CHARLES GULLY	4.00		CG
FLOOR HAND		DENNIS BLANCHO	4.00		DB
LEASE HAND		JEREMY RIVARD	4.00		JR
LEASE HAND		MODESA EDDIBAR	4.00		ME

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

LICENCE NO.
1995

MODEL NAME & NO.
APACHE PARAMOUNT LAC MAUNOIR C-34

CONTRACTOR NAME
AKITA SAHTU DRILLING

OPERATOR
APACHE CANADA LTD.

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE
3333

SIGNATURE OF CONTRACTOR'S RIG MANAGER
RICK PARKER

1) Daily Work Around Inspection

2) Detailed Inspection - Weekly (Using Check List)

3) H2S Signs Posted if Required

4) Well Licence & Stick Diagram Posted

5) Flow Lines Ruled

6) BOP Drills Performed

7) Visually Inspect BOPs - Flow Lines & Degreaser Lines

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

9) CAGDC Rig Safety Inspection Checklist (once a month)

10) Most inspection before Raising or Lowering

11) Crown Saver Checked

12) Motor Kite Checked

YEAR
2004

MONTH
2

DAY
1

RIG NO.
51

FUEL @ 06:00 HRS
1516

TEMPERATURE
4579

CURRENT CONDITIONS
WIND DIRECTION
ROAD CONDITION

LAST CASING TUBING
O.D.
M.N.D.
M.A.S.S.
PUMP TYPE
PUMP MANUFACTURER
STROKE LENGTH

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

SHALE SHAKER(S)
NO. TYPE
SCREENS CHANGED
YES
NEW USED

RENTALS / SERVICES
MORN
DAY
EVE

SPUD DATE
2004/01/27

TIME
23:00

RIG RELEASE
2004/02/23

TIME
23:59

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

CAODC

PASON DATAHUB

CODE NO

GROUP & TEARDOWN

DRILL ACTUAL

REAMING

CORING

COND MUD & CIRC

TRIPS

RIG SERVICE

REPAIR RIG

CUT OFF DRILL LINE

DEV. SURVEY

WIRELINE LOGS

RUN CSG & CEMENT

WAIT ON CEMENT

NIPPLE UP B.O.P.

TEST B.O.P.

DRILLSTEM TEST

PLUG BACK

SQUEEZE CEMENT

FISHING

DIR. WORK

SAFETY MEETING

TRASH PUMPS

TOTALS

NO. TYPE

SCREENS CHANGED

YES

NEW USED

TOP

MIDDLE

BOTTOM

SHALE SHAKER(S)

RENTALS / SERVICES

MORN

DAY

EVE

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

4RR

SIZE

311.0

WDC CODE

5 1 7

MANUFACTURER

HUGHES

TYPE

GT-20

SERIAL NO.

6019004

JETS

DEPTH OUT (m)

42.00

DEPTH IN (m)

33.00

TOTAL DRILLED (m)

9.00

TOTAL HRS RUN

2.75

CUTTING STRUCTURE

TI

To

MDC

LOG

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM

TO

ELAPSED TIME

CODE

0

430

4.50

5

BUILD VOLUME + VIS SPOT LCM PILLS

430

445

0.25

5

CIRCULATE MONITOR WELL FOR 15 MINS. WATCHED FOR LOSSES

445

500

0.25

3

REAM F/10-14 10 M3 LOSS @ 14 M.

500

800

3.00

5

BUILD VOLUME + VIS

MUD MATERIALS ADDED

SOLIDS CONTROL

CIRCULATION PRESSURE

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

HRS RUN

8.00

HRS RUN

10.5

BOILER pH

400

STACK TEMP

DRILLER SIGNATURE

DELBERT STADE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MFL

MACP

MUD PRODUCTS

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

4RR

SIZE

311.0

WDC CODE

5 1 7

MANUFACTURER

HUGHES

TYPE

GT-20

SERIAL NO.

6019004

JETS

DEPTH OUT (m)

42.00

DEPTH IN (m)

33.00

TOTAL DRILLED (m)

9.00

TOTAL HRS RUN

4.25

CUTTING STRUCTURE

TI

To

MDC

LOG

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM

TO

ELAPSED TIME

CODE

800

900

1.00

5

BUILD VOLUME & VIS

900

1030

1.50

3

REAMING & CLEAN HOLE

1030

1545

5.25

22

unplug trash pumps between reaming

1545

1600

0.25

7

RIG SERVICE

1600

MUD MATERIALS ADDED

SOLIDS CONTROL

CIRCULATION PRESSURE

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

HRS RUN

8.00

HRS RUN

10.5

BOILER pH

440

STACK TEMP

DRILLER SIGNATURE

BRUCE PRESTON

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MFL

MACP

MUD PRODUCTS

NO.

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT

O.D.

BIT NO.

4RR

SIZE

311.0

WDC CODE

5 1 7

MANUFACTURER

HUGHES

TYPE

GT-20

SERIAL NO.

6019004

JETS

DEPTH OUT (m)

42.00

DEPTH IN (m)

33.00

TOTAL DRILLED (m)

14.00

TOTAL HRS RUN

5.50

CUTTING STRUCTURE

TI

To

MDC

LOG

BRG

GAGE

ODC

REASON PULLED

TOTAL RUN MHR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM

TO

ELAPSED TIME

CODE

1600

1900

3.00

3

REAMING & clean hole f20

1900

2000

1.00

22

unplug trash pump between reaming

2000

2100

1.00

2

DRILL f42-46

2100

2200

1.00

22

UNPLUG TRASH PUMP

2200

2300

1.00

3

REREAM F/38-46 M.

2300

2315

0.25

7

RIG SERVICE

2315

2330

0.25

2

DRILL F/46-47

2330

2400

0.50

23

LAYOUT 2 2 6.25 IN. COLLARS CHECK TRASH PUMP

+ FLOW LINE FOR PLUGGED OFF PLUGGED W/ NATIVE GRASSES

MUD MATERIALS ADDED

SOLIDS CONTROL

CIRCULATION PRESSURE

PUMP NO. 1

PUMP NO. 2

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m)

DEVIATION

DIRECTION

BOILERS

HRS RUN

8.00

HRS RUN

10.5

BOILER pH

400

STACK TEMP

DRILLER SIGNATURE

DELBERT STADE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC

MFL

MACP

MUD PRODUCTS

DRILLING CREW PAYROLL DATA

WELL NAME & NO.
APACHE PARAMOUNT LAC MAUNOIR C-34

YEAR
2004

MONTH
2

DAY
1

OPERATOR
APACHE CANADA LTD.

CONTRACTOR NAME
AKITA SAHTU DRILLING

RIG MANAGER
RICK PARKER

RIG NO.
51

PROVINCE
N.W.T.

CAMP
X

YES

NO

RIG SAFETY DAYS
518

MORNING TOUR

FROM
0

TO
800

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

DELBERT STADE

8.00

DS

DERRICK HAND

GRAHAM SVATOS

8.00

GS

MOTOR HAND

DERRYL COOK

8.00

DC

FLOOR HAND

CHARLES GULLY

8.00

CG

FLOOR HAND

DENNIS BLANCHO

8.00

DB

LEASE HAND

JEREMY RIVARD

8.00

JR

LEASE HAND

MODESA EDDIBAR

8.00

ME

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

DAY TOUR

FROM
800

TO
1600

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

BRUCE PRESTON

12.00

BP

DERRICK HAND

JASON KIMMY

12.00

JK

MOTOR HAND

JOHN GRANDJAMBE

12.00

JG

FLOOR HAND

BUDDY GULLY

12.00

BG

FLOOR HAND

DERRICK SHAE

12.00

DS

LEASE HAND

LEON TRUREAU

12.00

LT

LEASE HAND

TERANCE KELLY

12.00

TK

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

EVENING TOUR

FROM
1600

TO
2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

DRILLER

DELBERT STADE

4.00

DS

DERRICK HAND

GRAHAM SVATOS

4.00

GS

MOTOR HAND

DERRYL COOK

4.00

DC

FLOOR HAND

CHARLES GULLY

4.00

CG

FLOOR HAND

DENNIS BLANCHO

4.00

DB

LEASE HAND

JEREMY RIVARD

4.00

JR

LEASE HAND

MODESA EDDIBAR

4.00

ME

RATE SCHEDULE

X

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

LICENCE NO. 1995 WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE ARNIE MERCHANT SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER

DAILY CHECKS

YEAR 2004 MONTH 1 DAY 31

RIG NO. 51 FUEL (L) 08.02 HRS 4515

TEMPERATURE WIND DIRECTION WEST ROAD CONDITION ICE

LAST CASING TUBING OR LINER

OD (mm) 158 132.00 114 62.45 114 24.70

MIN ID (mm) 55 70 92

MASS (kg/m3) 158 154 114

MAKE NATIONAL NATIONAL

GRADE 8P-80 8P-80

NO. OF JOINTS 20 51

TOTAL LENGTH 216 215

KB TO CSG HEAD

SET AT (m)

SPUD DATE 2004/01/27 TIME 23:00

RIG RELEASE 2004/02/23 TIME 23:59

WELL TYPE RE-ENTRY

OPERATOR'S AFE

KELLY BSHG OP FUEL

CONTRACTOR'S JOB NUM

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34 YEAR 2004 MONTH 1 DAY 31

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER RICK PARKER RIG NO. 51

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 517

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

5

DAY TOUR FROM 800 TO 1600 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 8.00 DS

DERRICK HAND GRAHAM SVATOS 8.00 GS

MOTOR HAND DERRYL COOK 8.00 DC

FLOOR HAND CHARLES GULLY 8.00 CG

FLOOR HAND DENNIS BLANCHO 8.00 DB

LEASE HAND JEREMY RIVARD 8.00 JR

LEASE HAND MODESA EDDIBAR 8.00 ME

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

5

EVENING TOUR FROM 1600 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 4.00 DS

DERRICK HAND GRAHAM SVATOS 4.00 GS

MOTOR HAND DERRYL COOK 4.00 DC

FLOOR HAND CHARLES GULLY 4.00 CG

FLOOR HAND DENNIS BLANCHO 4.00 DB

LEASE HAND JEREMY RIVARD 4.00 JR

LEASE HAND MODESA EDDIBAR 4.00 ME

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

5

LICENCE NO. 1995 APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION UNIQUE ID

SIGNATURE OF OPERATOR'S REPRESENTATIVE BOB BRAITHWAITE SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER

DATE 2004 10 27

TIME 08:00 HRS

BOILER 771

TEMPERATURE 158

WIND DIRECTION WEST

ROAD CONDITION ICE

DC/OP SIZE 158

MASS 132.00

GRADE 70

MINIMUM I.D. 154

T. INT. O.D. 4 1/2 XH

TYPE 51

NO. OF JOINTS 8P-80

PUMP TYPE NATIONAL

PUMP MANUFACTURER 216

STROKE LENGTH 215

SHALE SHAKER(S) 17

RENTALS / SERVICES

MORN DAY EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER RICK PARKER

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 51

MORNING TOUR FROM 0 TO 800 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 8.00 DS

DERRICK HAND GRAHAM SVATOS 8.00 GS

MOTOR HAND DERRYL COOK 8.00 DC

FLOOR HAND CHARLES GULLY 8.00 CG

FLOOR HAND DENNIS BLANCHO 8.00 DB

LEASE HAND JEREMY RIVARD 8.00 JR

LEASE HAND MODESA EDDIBAR 8.00 ME

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

3

DAY TOUR FROM 800 TO 1600 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER BRUCE PRESTON 12.00 BP

DERRICK HAND JASON KIMMY 12.00 JK

MOTOR HAND JOHN GRANDJAMBE 12.00 JG

FLOOR HAND BUDDY GULLY 12.00 BG

FLOOR HAND DERRICK SHAE 12.00 DS

LEASE HAND LEON TRUREAU 12.00 LT

LEASE HAND TERANCE KELLY 12.00 TK

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

3

EVENING TOUR FROM 1600 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 4.00 DS

DERRICK HAND GRAHAM SVATOS 4.00 GS

MOTOR HAND DERRYL COOK 4.00 DC

FLOOR HAND CHARLES GULLY 4.00 CG

FLOOR HAND DENNIS BLANCHO 4.00 DB

LEASE HAND JEREMY RIVARD 4.00 JR

LEASE HAND MODESA EDDIBAR 4.00 ME

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

3

[illegible]

LICENCE NO. 1995 APACHE PARAMOUNT LAC MAUNOIR C-34

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

SURFACE LOCATION

SIGNATURE OF OPERATOR'S REPRESENTATIVE BOB BRAITHWAITE SIGNATURE OF CONTRACTOR'S RIG MANAGER RICK PARKER

YEAR 2004 MONTH 1 DAY 27

RIG NO. 51

LAST CASING TUBING OR LINER

TEMPERATURE

DC/DP SIZE

MASS

GRADE

MINIMUM LD

T. INT. Q.D.

TYPE

NO. OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

SPUD DATE 2004/01/27 TIME 23:00

RIG RELEASE 2004/02/23 TIME 23:59

WELL TYPE

RE-ENTRY

OPERATOR'S AFE

KELLY BSHG

OP FUEL

CONTRACTOR'S JOB NUM

TOUR SHEET SERIAL NUM

VENDOR SOFTWARE VERSION

DRILLING CREW PAYROLL DATA

WELL NAME & NO. APACHE PARAMOUNT LAC MAUNOIR C-34 YEAR 2004 MONTH 1 DAY 27

OPERATOR APACHE CANADA LTD. CONTRACTOR NAME AKITA SAHTU DRILLING

RIG MANAGER RICK PARKER RIG NO. 51

PROVINCE N.W.T. CAMP X YES NO RIG SAFETY DAYS 1

MORNING TOUR FROM 0 TO 800 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER ROD NEUFELD 6.00 RN

DERRICK HAND JACK GOULET 6.00 JG

W.S.C. PAUL REYNOLDS 6.00 PNR

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

1

DAY TOUR FROM 800 TO 1600 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER DELBERT STADE 8.00 DS

DERRICK HAND GRAHAM SVATOS 8.00 GS

MOTOR HAND DERRYL COOK 8.00 DC

FLOOR HAND CHARLES GULLY 8.00 CG

FLOOR HAND DENNIS BLANCHO 8.00 DB

LEASE HAND JEREMY RIVARD 8.00 JR

LEASE HAND MODESA EDDIBAR 8.00 ME

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

1

EVENING TOUR FROM 1600 TO 2400 INJURIES

CREW SOC INS. NO. NAME HRS YES NO

DRILLER BRUCE PRESTON 8.00 BP

MOTOR HAND JOHN GRANDJAMBE 8.00 JG

FLOOR HAND BUDDY GULLY 8.00 BG

FLOOR HAND DERRICK SHAE 8.00 DS

LEASE HAND LEON TRUREAU 8.00 LT

LEASE HAND TERENCE KELLY 8.00 TK

RATE SCHEDULE X REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

1