

[illegible]

LICENCE NO 9999		WELL NAME & NO APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937		DAILY CHECKS (1) Daily Well Around Inspection (2) Detailed Inspection Weekly (Using Check List) (3) H2S Signs Posted if Required (4) Well License & Block Diagram Posted (5) Flow Lines Inspected (6) BOP Drills Performed (7) Visually Inspect BOPs, Flow Lines & Degasser Lines (8) CACDC Rig Detail Inspection Checklist (monthly) (9) Inspect Inspection Before Raising or Lowering (10) Crown Drive Checked (11) Motor KVs Checked		YEAR 2005 MONTH 2 DAY 26 RIG NO 62 FUEL @ 05:00 HRS RIG 165 BOLTER TEMPERATURE 15 CURRENT CONDITIONS CLOUDY WIND DIRECTION NE ROAD CONDITION ICE		O.D. (mm) 62 I.D. (mm) 50 MASS (kg/m) 1.65 MAKE GRADE NO. OF JOINTS TOTAL LENGTH RIG TO CSD HEAD SET AT (m)		SPUD DATE 2005/02/24 TIME 14:30 RIG RELEASE TIME WELL TYPE RE-ENTRY OPERATOR'S AFE NT-05-0033 KELLY BSHG CP FUEL CONTRACTOR'S JOB NUM 3937 TOUR SHEET SERIAL NUM NABR62_20050229_1B VENDOR SOFTWARE VERSION EDR_3-1.1_HF4 ETS 2.2	
OPERATOR APACHE CANADA LTD SURFACE LOCATION 65 56 24 00 N 126 38 17 00 W SIGNATURE OF OPERATOR'S REPRESENTATIVE BOB BRAITHWAITE		CONTRACTOR NABORS DRILLING UNIQUE ID UNIT G, SECTION 47 SIGNATURE OF CONTRACTOR'S RIG MANAGER CARL BREULT									
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 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50		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 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50									
NO. DRILLING ASSEMBLY (AT END OF TOUR) 1 BIT 241 30 2 MOTOR 241 9.64 3 MICHEL 238 9.00 4 HANG OFF SUB 232 1.00 5 MICHEL 238 9.21 6 SHOCK SUB 223 3.97 7 D.C. 218 18.17 8 JAR 227 4.98 9 X.O. 73 10 X.O. 185 99 11 D.C. 185 136.69		LENGTH 30 9.64 9.00 1.00 9.21 3.97 18.17 4.98 73 99 136.69		BIT RECORD BIT NO 1A SIZE 311 HDC CODE 4 3 7 MANUFACTURER HUGHES TYPE GTS-18 SERIAL NO 6019108 JETS 15.8 15.8 DEPTH (m) 0 TOTAL DRILLED (m) 252 TOTAL HRS RUN 21		MORNING TOUR MUD TYPE GEL CHEM WATER BASED ☒ OIL BASED ☐ TIME 0200 DENSITY (g/cm3) 1100 1100 1105 FUNNEL VISCOSITY 48 54 48 FLUID LOSS (cm3) 9.5 10.0 9.5 PH 15.8 15.8 PVT 15.8 MUD MATERIALS ADDED PRODUCT AMOUNT UNIT GEL 21 SX CAUSTIC 1 SX SODA ASH 4 SX CUTTING STRUCTURE TI T6 MOC LOC BRO OAGE OOC REASON PULLED TOTAL RUN (HRS) HOLE CONDITION HOLE DRAG 1 2 Dn UP & ON TORQUE AT BOTTOM FILL ON BOTTOM (m)		MUD RECORD CIRCUULATION PRESSURE (kPa) 8500 PUMP NO. 1 152 110 152 110 PUMP NO. 2 REDUCED PUMP SPEED DEVIATION SURVEYS DEPTH (m) 268.90 3 124.8 268.30 2 180.8 327 8 127.5 337 8 152.8 BOILERS HRS RUN 12 HRS RUN 12 BOLTER PH 10.5 BOLTER PH 10.5 STACK TSP DRILLER SIGNATURE LARRY BREULT		METRES DRILLED FROM TO D-R-C RPM WOB 0 330 3.50 2 330 530 2.00 22 530 715 1.75 2 715 730 0.25 7 730 745 0.25 21 745 1100 3.25 2 1100 1115 0.25 5 1115 1200 0.75 10 TIME LOG DETAILS OF OPERATIONS IN SEQUENCE & REMARKS MOTOR DRILL 311mm HOLE F/ 268 TO 304 CONNECTIONS CLEAN & REPAIR PIPE SCREEN TIME ACC MOTOR DRILL 311mm HOLE F/ 304 TO 323 RIG SERVICE FUNCTIONED CROWNSAVER SAFETY MEETING -WORKING WITH STEAM DRILL 311 MM HOLE FR 323 M TO 352M CONDITION MUD & CIRC DEVIATION SURVEY ACC NABORS FIELD SUP T LEFT TODAY WAS ON LOCATION FEB 17 28 TO RIG UP AND SPUD	
NO. DRILLING ASSEMBLY (AT END OF TOUR) 1 BIT 241 30 2 MOTOR 241 9.64 3 MICHEL 238 9.00 4 HANG OFF SUB 232 1.00 5 MICHEL 238 9.21 6 SHOCK SUB 223 3.97 7 D.C. 218 18.17 8 JAR 227 4.98 9 X.O. 73 10 X.O. 185 99 11 D.C. 185 136.69		LENGTH 30 9.64 9.00 1.00 9.21 3.97 18.17 4.98 73 99 136.69		BIT RECORD BIT NO 1A SIZE 311 HDC CODE 4 3 7 MANUFACTURER HUGHES TYPE GTS-18 SERIAL NO 6019108 JETS 15.8 15.8 DEPTH (m) 0 TOTAL DRILLED (m) 397 TOTAL HRS RUN 27.5		DAY TOUR MUD TYPE GEL CHEM WATER BASED ☒ OIL BASED ☐ TIME 1400 DENSITY (g/cm3) 1105 1110 1105 FUNNEL VISCOSITY 45 42 48 FLUID LOSS (cm3) 9.5 10 9 PH 15.8 15.8 VOLUME 60.5 MUD MATERIALS ADDED PRODUCT AMOUNT UNIT GEL 10 SX CAUSTIC 1 SX CUTTING STRUCTURE TI T6 MOC LOC BRO OAGE OOC REASON PULLED TOTAL RUN (HRS) HOLE CONDITION HOLE DRAG 2-3 Dn UP & Dn TORQUE AT BOTTOM 125 FILL ON BOTTOM (m)		MUD RECORD CIRCUULATION PRESSURE (kPa) 11500 PUMP NO. 1 152 110 152 110 PUMP NO. 2 REDUCED PUMP SPEED DEVIATION SURVEYS DEPTH (m) 348 5 65.5 365.50 5 30.2 BOILERS HRS RUN 12 HRS RUN 12 BOLTER PH 10.5 BOLTER PH 10.5 STACK TSP DRILLER SIGNATURE ANDY MOROZ		METRES DRILLED FROM TO D-R-C RPM WOB 1200 1300 1.00 6 1300 1445 1.75 6 1445 1615 1.50 8 1615 1900 2.75 2 1900 1915 0.25 21 1915 2300 3.75 2 2300 2330 0.50 10 2330 2345 0.25 21 2345 2400 0.25 7 TIME LOG DETAILS OF OPERATIONS IN SEQUENCE & REMARKS BLOW & RACK KELLY INSTALL ELEVATORS PREPARE FOR WMPER TRIP TRIPS 5 STD WMPER TRIP F/ 352m T/ 200m REPAIR POP VALVE ON # 2 PUMP MTR DRILL & MWD SURVEY 311mm HOLE W/ BIT #1 F/ 252m T/ 371m PRE TOUR SAFETY MEETING (DISCUSS CLEANING RIG CONNECTIONS SAFE WORK) MTR DRILL & MWD SURVEY 311mm HOLE W/ BIT #1 F/ 371m T/ 397 DEVIATION SURVEY ACC SAFETY MEETING WITH RIG JACKER RIG SERVICE & FUNCTION DIVERTER STARTING PVT 05:40 RESET CROWN SAVER FOR DRILLING ENDING PVT 05:40 LOSSES ON TRIP 2M3 FUNCTION CROWN SAVER & VISUALLY INSPECT BRAKES & BRAKE LINKAGE LB. FUNCTION DIVERTER MIXING MUD	



PASON

9999

APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937

OPERATOR

APACHE CANADA LTD

SURFACE LOCATION

65 56 24 00 N 126 38 17 00 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

BOB BRAITHWAITE

CONTRACTOR

NABORS DRILLING

UNIQUE ID

UNIT G, SECTION 47

SIGNATURE OF CONTRACTOR'S RIG MANAGER

CARL BREAU

DAILY CHECKS

(1) Daily Well Around Inspection

(2) Detailed Inspection Weekly (Using Check List)

(3) H2S Signs Posted if Required

(4) Well License & Stock Diagram Posted

(5) Flow Lines Stated

(6) BOP Data Performed

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

(8) Rig Site Health & Safety Meeting (one month)

(9) CADC Rig Ball Inspection Checklist (one month)

(10) Well Inspection before Drilling or Lowering

(11) Crown Saver Checked

(12) Motor Kils Checked

YEAR

2005

MONTH

2

DAY

27

LAST CASHING TUBES C/LINER

QD

WHD

MASS

GRADE

NO. OF JOINTS

TOTAL LENGTH

NO. TO C/O HEAD

SET AT (m)

QD

WHD

MASS

GRADE

NO. OF JOINTS

TOTAL LENGTH

NO. TO C/O HEAD

SET AT (m)

QD

WHD

MASS

GRADE

NO. OF JOINTS

TOTAL LENGTH

NO. TO C/O HEAD

SET AT (m)

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

1A

2A

MUD TYPE

GELCHEM H

WATER BASED

X

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT NO.

2A

MUD TYPE

WATER BASED

X

OIL BASED

FROM

TO

D-R-C

RPM

WOB

FROM

TO

ELAPSED TIME

CODE

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

YEAR

MONTH

DAY

OPERATOR

CONTRACTOR

RIG MANAGER

RIG NO.

PROVIDER

CAMP

YES

NO

RIG SAFETY DAYS

RATE SCHEDULE

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

DAY TOUR

FROM

1200

TO

2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

[illegible]

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
OPERATOR		CONTRACTOR		
RIG MANAGER			RIG NO.	
PROVINCE	CAMP	☐ YES	☐ NO	RIG SAFETY DAYS

[illegible][illegible]

LICENCE NO 9999		WELL NAME & NO APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937	
OPERATOR APACHE CANADA LTD		CONTRACTOR NABORS DRILLING	
SURFACE LOCATION 65 56 24 00 N 126 38 17 00 W		UNIQUE ID UNIT G, SECTION 47	
SIGNATURE OF OPERATOR'S REPRESENTATIVE THOR SKAFTE		SIGNATURE OF CONTRACTOR'S RIG MANAGER CARL BREAUET	
		DAILY CHECKS (1) Daily Walk Around Inspection (2) Detailed Inspection - Weekly (Using Check List) (3) HGS Signs Posted if Required (4) Well Location & Block Diagram Posted (5) Plans Lines Staked (6) BOP Data Performed (7) Visually Inspect DCP's - Flow Lines & Degasser Lines (1) Rig Site Health & Safety Meeting (one/twice/month) (2) CADCDC Rig Safe Inspection Checklist (one/twice/month) (3) Must inspect before raising or lowering (4) Crown Saver Checked (5) Motor Kils Checked	
		GPS R/W YEAR MONTH DAY TS CB RG NO 62 FUEL @ 05:00 HRS BOILER TEMPERATURE 30 CURRENT CONDITIONS SHOWN WIND DIRECTION CALM WAVE CONDITION KT LAST CASING TURNED 05:00 HRS OF UPE	
		O.D. (mm) M.H.D. (mm) MASS (kg/m) MAKE GRADE NO. OF JOINTS TOTAL LENGTH KB TO CBS HEAD SET AT IN O.D. (mm) M.H.D. (mm) MASS (kg/m) MAKE GRADE NO. OF JOINTS TOTAL LENGTH KB TO CBS HEAD SET AT IN O.D. (mm) M.H.D. (mm) MASS (kg/m) MAKE GRADE NO. OF JOINTS TOTAL LENGTH KB TO CBS HEAD SET AT IN	
		SPUD DATE 2005/02/24 TIME 14:30 RIG RELEASE TIME WELL TYPE RS-ENTRY OPERATORS AFE NT 05-0033 KELLY BHAQ OP FUEL CONTRACTOR'S JOB NUM 3937 TOUR SHEET SERIAL NUM NABRG2_20050202_1B VENDOR SOFTWARE VERSION EDR_3-1 HF4 ETS 2.2	
		PASON	
		DRILLING CREW PAYROLL DATA	
		YEAR MONTH DAY	
		OPERATOR CONTRACTOR	
		RIG MANAGER RIG NO.	
		PROVINCE CAMP YES NO RIG SAFETY DAYS	
		MORNING TOUR FROM 0 TO 1200 INJURIES	
		CREW SOC INS. NO NAME HRS YES NO	
		RATE SCHEDULE REGULAR REPAIR INVERT	
		CREW SAFETY DAYS DRIVERS	
		DAY TOUR FROM 1200 TO 2400 INJURIES	
		CREW SOC INS. NO NAME HRS YES NO	
		RATE SCHEDULE REGULAR REPAIR INVERT	
		CREW SAFETY DAYS DRIVERS	

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LICENCE NO: 9999
 WELL NAME & NO: APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937
 OPERATOR: APACHE CANADA LTD
 SURFACE LOCATION: 65 56 24 00 N 126 38 17 00 W
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: THOR SKAFTE
 CONTRACTOR: NABORS DRILLING
 UNIQUE ID: UNIT G, SECTION 47
 SIGNATURE OF CONTRACTOR'S RIG MANAGER: CARL BREAU

DAILY CHECKS
 (1) Daily Walk Around Inspection
 (2) Detailed Inspection - Visually (Using Check List)
 (3) H2S Signs Posted if Required
 (4) Well Licence & Check Diagram Posted
 (5) Flow Lines Colored
 (6) BOP Data Performed
 (7) Visually Inspect BOPs - Flow Lines & Dragger Lines
 (1) Rig Site Health & Safety Meeting (on arrival/depart)
 (2) CAODC Rig Safety Inspection Checklist (on arrival/depart)
 (3) Visual Inspection before Testing or Lowering
 (4) Crown Saver Checked
 (5) Motor Vibs Checked

YEAR: 2008 MONTH: 3 DAY: 5
 RIG NO: 62
 FUEL @ 02:00 HRS: 150
 TEMPERATURE: 20
 CURRENT CONDITIONS: SHOWING
 WIND DIRECTION: CALM
 ROAD CONDITION: ICE
 O.D. (mm): 244.5
 MINID. (mm): 222.38
 MASS (kg/m): 64.74
 MAKE: IPSCO
 GRADE: L-80
 NO. OF JOINTS: 38
 TOTAL LENGTH: 493.98
 KB TO CSD HEAD: 5.17
 SET AT (m): 491.75
 DC (m): 102
 DP (m): 159
 DC (m): 219
 MASS: 25.68
 GRADE: SS105
 MINID. I.D.: 82
 T.JT. O.D.: 86
 TYPE: XT-39
 NO. OF JOINTS: 202
 PUMP TYPE: A600 PT
 PUMP MANUFACTURER: OILWELL
 STROKE LENGTH: 203
 DC (m): 159
 MASS: 143
 GRADE: E
 MINID. I.D.: 65
 T.JT. O.D.: 165
 TYPE: 4.5 H-80
 NO. OF JOINTS: 21
 PUMP TYPE: A600 PT
 PUMP MANUFACTURER: OILWELL
 STROKE LENGTH: 203
 DC (m): 219
 MASS: 219
 GRADE: E
 MINID. I.D.: 219
 T.JT. O.D.: 7 H 80
 TYPE: 2

RIG DATE: 2005/02/24
 TIME: 14:30
 RIG RELEASE: TIME
 WELL TYPE: RE-ENTRY
 OPERATOR'S AFE: NT-05-0033
 KELLY BSHD: O.P. FUEL
 CONTRACTOR'S JOB NUM: 3937
 TOUR SHEET SERIAL NUM: NABR62_20050008_1C
 VENDOR SOFTWARE VERSION: EDR_3-1_1_HF4 ETS 2.2



CODE	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 SPACE (S)		RENTALS SERVICES		MORNING	DAY	
	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	NIPLLE UP B.O.P	TEST B.O.P	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING								NO	TYPE	TYPE			
														4.5							0.5	7.0						12.00	SCREEN CHANGED	NEW USED				
MORN																												110	TOP	TOP				
DAY														9.5	2.0						0.5							12.00		MIDDLE	MIDDLE			
TOTAL														14.00	2.00						1.00	7.00						24.00	110	BOTTOM	BOTTOM			

NO. DRILLING ASSEMBLY (AT END OF TOUR)
 LENGTH
 BIT RECORD
 BIT NO.
 SIZE
 MOD CODE
 MANUFACTURER
 TYPE
 SERIAL NO.
 JETS
 DEPTH OUT (m)
 DEPTH IN (m)
 TOTAL DRILLED (m)
 TOTAL HRS RUN
 CUTTING STRUCTURE
 T1 T2 MOD LOC BRG OAGE OOC REASON PULLED TOTAL RUN mmHr
 HOLE CONDITION
 DRILL PIPE STANDS
 DRILL PIPE SINGLES
 KELLY DOWN
 TOTAL
 WT OF DC
 WT OF STRING
 MUD RECORD
 MUD TYPE: GELCHEM
 WATER BASED [X] OIL BASED []
 TIME
 DENSITY (kg/m3)
 FUNNEL VISCOSITY
 FLUID LOSS (cm3)
 pH
 PVT
 MUD MATERIALS ADDED
 PRODUCT AMOUNT UNIT
 SOLIDS CONTROL
 CENTRIFUGE
 HOURS RUN INTAKE DENSITY (kg/m3) OVER FLOW DENSITY UNDER FLOW DENSITY
 4 1075 1080 1780
 1075 1070 1070
 12 1075 1080 1780
 1075 1070 1070
 BOILERS
 1 2
 HRS RUN 12 HRS RUN 12
 BOILER PH BOILER PH
 STACK TEMP STACK TEMP
 METRES DRILLED
 FROM TO D-R-C RPM WOB
 0 700 7.00 22
 700 715 0.25 21
 715 900 1.75 14
 900 915 0.25 21
 915 1200 2.75 14
 1200
 TIME LOG
 DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
 0 700 7.00 22 PULL DIVERTOR OUT & DIG CELLAR DOWN ONE FOOT (CEMENT & ROCK)
 700 715 0.25 21 SAFETY MEETING PICKING UP BOPS
 715 900 1.75 14 NIPPLE UP B O P
 900 915 0.25 21 SAFETY MEETING WITH APACHE REP (NIPPLING UP)
 915 1200 2.75 14 NIPPLE UP B O P
 1200
 NOTES: REVIEW JSA#J-04 A-37 A-38
 FUNCTION CROWN SAVER & VISUALLY INSPECT BRAKES & BRAKE LINKAGE LB.
 DRILLER SIGNATURE: LARRY BREAU
 SPECIAL EVENT: TIME / DEPTH
 SAFETY FORC: MBL MGP

DRILLING CREW PAYROLL DATA
 WELL NAME & NO.
 OPERATOR
 RIG MANAGER
 PROVINCE
 CAMP YES NO
 RIG SAFETY DAYS
 MORNING TOUR
 FROM 0 TO 1200
 INJURIES
 CREW SOC INS. NO NAME HRS YES NO
 RATE SCHEDULE REGULAR REPAIR INVERT
 CREW SAFETY DAYS
 DRIVERS
 DAY TOUR
 FROM 1200 TO 2400
 INJURIES
 CREW SOC INS. NO NAME HRS YES NO
 RATE SCHEDULE REGULAR REPAIR INVERT
 CREW SAFETY DAYS
 DRIVERS

NO. DRILLING ASSEMBLY (AT END OF TOUR)
 LENGTH
 BIT RECORD
 BIT NO.
 SIZE
 MOD CODE
 MANUFACTURER
 TYPE
 SERIAL NO.
 JETS
 DEPTH OUT (m)
 DEPTH IN (m)
 TOTAL DRILLED (m)
 TOTAL HRS RUN
 CUTTING STRUCTURE
 T1 T2 MOD LOC BRG OAGE OOC REASON PULLED TOTAL RUN mmHr
 HOLE CONDITION
 DRILL PIPE STANDS
 DRILL PIPE SINGLES
 KELLY DOWN
 TOTAL
 WT OF DC
 WT OF STRING
 MUD RECORD
 MUD TYPE: GELCHEM
 WATER BASED [X] OIL BASED []
 TIME
 DENSITY (kg/m3)
 FUNNEL VISCOSITY
 FLUID LOSS (cm3)
 pH
 PVT
 MUD MATERIALS ADDED
 PRODUCT AMOUNT UNIT
 SOLIDS CONTROL
 CENTRIFUGE
 HOURS RUN INTAKE DENSITY (kg/m3) OVER FLOW DENSITY UNDER FLOW DENSITY
 12 1075 1080 1780
 1075 1070 1070
 12 1075 1080 1780
 1075 1070 1070
 BOILERS
 1 2
 HRS RUN 12 HRS RUN 12
 BOILER PH BOILER PH
 STACK TEMP STACK TEMP
 METRES DRILLED
 FROM TO D-R-C RPM WOB
 1200 1700 5.00 14
 1700 1900 2.00 15
 1900 1915 0.25 21
 1915 1930 0.25 21
 1930 2400 4.50 14
 2400
 TIME LOG
 DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
 1200 1700 5.00 14 NIPPLE UP B O P
 1700 1900 2.00 15 TEST B.O.P. 15000 KPA HIGH 10 MINUTES 15000KPA 10MINUTES FOR EACH KILL LINE
 1900 VALVE, MANUAL & HYDRAULIC HCR BLIND RAMS CHECK VALVE ON KILL LINE
 1900 1915 0.25 21 PRE TOUR SAFETY MEETING (DISCUSS PRESS TESTING BOP)
 1915 1930 0.25 21 SAFETY MEETING (SAFETY MEETING WITH APACHE REP THOR SKAFTE)
 1930 2400 4.50 14 TAKE BOPs APART TO REPAIR LEAKS
 2400
 NOTES
 DRILLER SIGNATURE: ANDY MOROZ
 SPECIAL EVENT: TIME / DEPTH
 SAFETY FORC: MBL MGP

DAY TOUR
 FROM 1200 TO 2400
 INJURIES
 CREW SOC INS. NO NAME HRS YES NO
 RATE SCHEDULE REGULAR REPAIR INVERT
 CREW SAFETY DAYS
 DRIVERS

DAILY CHECKS

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection Weekly (Using Check List)
- (3) H2S Signs Posted if Required
- (4) Well Licence & Stick Diagram Posted
- (5) Flare Lines Stained
- (6) BOP Dile Performed
- (7) Visually inspect BOP's - Flare Lines & Digester Lines
- (8) Rig Site Safety & Safety Meeting (once/month)
- (9) CAGOC Rig Safety Inspection Checklist (once/month)
- (3) Must inspect before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Ribs Checked

Q.D. (inches)	MIN I.D. (inches)	MASS (pounds)	MAKE		GRADE	NO OF JOINTS	TOTAL LENGTH	KB TO CSD HEAD	SET
MASS	GRADE	MINIMUM I.D.	T. JOINT Q.D.	TYPE THREAD	NO OF JOINTS	PUMP TYPE	PUMP MANUFACTURER		STN ID
25 68	SS105	82	86	XT-39	202	A600 PT	OILWELL		200
143	E	65	165	4.5 H-6021		A600 PT	OILWELL		200
	E		219	7 H 80	2				



PASON

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.	YEAR	MONTH	DAY	
OPERATOR	CONTRACTOR			
BIG MANAGER				BIG NO.
PROVINCE	CAMP	YES ☐	NO ☐	BIG SAFETY DAYS

[illegible][illegible]

DAILY CHECKS		YEAR	MONTH	DAY
(1) Daily Walk Around Inspection		2005	3	8
(2) Detailed Inspection - Weekly (Using Check List)		RIG NO. 62		
(3) HVDC Diags Posted or Response		FUEL @ 05:00 HRS		
(4) Wall Leans & Stack Diagrams Posted		RIG		
(5) Plans Lines Stated		BOILER		
(6) BOP Diags Performed		TEMPERATURE		
(7) Visually Inspect BOPH- Plans Lines & Degasser Lines		CURRENT CONDITIONS		
(1) Rig S/S- Health & Safety Meeting (monthly/month)		SCHED		
(2) Check Rig Status Inspection Check List (monthly)		WIND DIRECTION		
(3) Meet Inspection Before Paving or Laying		CALM		
(4) Crown Siren Checked		ROAD CONDITION		
(5) Motor Rills Checked		USE		

SPUD DATE		2005/02/24		TIME		14 30	
P/O RELEASE				TIME			
WELL TYPE				RE-ENTRY			
OPERATOR'S AFE				NT-05-0033			
KELLY BISHO				OP FUEL			
CONTRACTOR'S JOB NUM				3837			
TOUR SHEET SERIAL NUM				NABR02_20050308_1B			
VENDOR SOFTWARE VERSION				EDR_3-1_HF4 ETS 2.2			




DRILLING CREW PAYROLL DATA					
WELL NAME & NO			YEAR	MORTH	DAY
OPERATOR		CONTRACTOR			
RIG MANAGER			RIG NO.		
PROVINCE	CAMP	☐ YES	☐ NO	RIG SAFETY DAYS	

[illegible][illegible]

LICENCE NO 9999 WELL NAME & NO APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937

OPERATOR APACHE CANADA LTD CONTRACTOR NABORS DRILLING

SURFACE LOCATION 65 56 24 00 N 126 38 17 00 W UNIT G, SECTION 47

SIGNATURE OF OPERATOR'S REPRESENTATIVE THOR SKAFTE SIGNATURE OF CONTRACTOR'S RIG MANAGER CARL BREAU

- DAILY CHECKS
- (1) Daily Walk Around Inspection
 - (2) Detailed Inspection - Weekly (Using Check List)
 - (3) H2S Signs Posted if Required
 - (4) Well License & Block Diagram Posted
 - (5) Flow Lines Inspected
 - (6) BOP Drive Performed
 - (7) Visually Inspect BOPs - Flow Lines & Casing Lines
 - (1) Rig Site Health & Safety Meeting (onshore/monthly)
 - (2) CADCDC Rig Safety Inspection Checklist (onshore/monthly)
 - (3) Manual Inspection before Raising or Lowering
 - (4) Crown Saver Checked
 - (5) Motor Ribs Checked

YEAR 2009 MONTH 3 DAY 9

RIG NO 62

FUEL @ 03:00 HRS

TEMPERATURE 25

CURRENT CONDITIONS

WIND DIRECTION CALM

ROAD CONDITION ICE

LAST CHSNG PUSH OF LINEP

OD 244.5

INCHES 222.38

MASS 64.74

MAKE (PSCO)

GRADE L-80

NO OF JOINTS 38

TOTAL LENGTH 433.98

IS TO CSG HEAD 5.17

SET AT IN 452

MASS 25.68

GRADE SS105

MINIMUM LD 82

T JNT OD 96

TYPE THREAD XT-39

NO OF JOINTS 202

PUMP TYPE A600 FT

PUMP MANUFACTURER OILWELL

STROKE LENGTH 203

MASS 143

GRADE E

MINIMUM LD 65

T JNT OD 166

TYPE THREAD 4.5" H-80

NO OF JOINTS 21

PUMP TYPE A600 FT

PUMP MANUFACTURER OILWELL

STROKE LENGTH 203

MASS 219

GRADE E

MINIMUM LD 219

T JNT OD 7 H 90

TYPE THREAD 2

NO OF JOINTS

PUMP TYPE

PUMP MANUFACTURER

STROKE LENGTH

IPUD DATE 2009/02/24 TIME 14:30

RIG RELEASE TIME

WELL TYPE RS-ENTRY

OPERATOR'S AFE NT-05-0033

KELLY BEND

CONTRACTOR'S JOB NUM 3937

TOUR SHEET SERIAL NUM NABR62_20050309_18

VENDOR SOFTWARE VERSION EDR_3-1.1_HF4 ETS 2.2



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	27	28	29	TOTALS
NO	RIQUP & 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	APPLE UP B O P	TEST B O P	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR WORK	SAFETY MEETING									
NO		10.25					0.25			1.0											0.5									12.00
DAY		10.5					0.25			0.75											0.5									12.00
TOTAL		20.75					0.50			1.75											1.00									24.00

NO. 1 DRILLING ASSEMBLY (1st END OF TOUR) LENGTH 25

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE ANDY MOROZ

NO. 2 DRILLING ASSEMBLY (1st END OF TOUR) LENGTH 37

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLER SIGNATURE ANDY MOROZ

NO	TYPE	TIME	REMARKS
110	TOP		
111	MIDDLE		
112	BOTTOM		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

OPERATOR

CONTRACTOR

RIG MANAGER

RIG NO.

PROVINCE

CAMP

RIG SAFETY DAYS

MORNING TOUR

FROM 0 TO 1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

DAY TOUR

FROM 1200 TO 2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

OPERATOR

CONTRACTOR

RIG MANAGER

RIG NO.

PROVINCE

CAMP

RIG SAFETY DAYS

MORNING TOUR

FROM 0 TO 1200

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

DAY TOUR

FROM 1200 TO 2400

INJURIES

CREW

SOC INS. NO.

NAME

HRS

YES

NO

RATE SCHEDULE

REGULAR

REPAIR

INVERT

CREW SAFETY DAYS

DRIVERS

PASON

DRILLING CREW PAYROLL DATA					
WELL NAME & NO.			YEAR	MONTH	DAY
OPERATOR			CONTRACTOR		
BIG MANAGER			BIG NO.		
PROVINCE	CAMP ☐ YES ☐ NO		BIG SAFETY DAYS		

[illegible][illegible]



PASON

[illegible]

DRILLING CREW PAYROLL DATA					
WELL NAME & NO			YEAR	BIRTH	DAY
OPERATOR		CONTRACTOR			
RIG MANAGER			RIG NO.		
PROVINCE	CAMP	☐ YES	☐ NO	RIG SAFETY DAYS	

NO.		DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD		MORNING TOUR		MUD RECORD		METRES DRILLED				TIME LOG																			
		BT	O.D.		BT NO	ONE	TWO	MUD TYPE	GEL-CHEM	WATER BASED	☒ OIL BASED	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS													
1	MOTOR	185	7.63		BDC	218		TIME		0800	1000		804	805	D		7	0	115	1.25	2	MOTOR DRILL 218 mm HOLE Fr 804 - To 805												
1	MONEL	181	8.38		WOC CODE	5	3 7	5	3 7	DENSITY (kg/m ³)		1050	1050					115	130	0.25	10	DEVIATION SURVEY ACC												
1	HAND OFF SUB	185	1.02		MANUFACTURER	HUGHES	HUGHES	FUNNEL VISCOSITY		58	65							130	215	0.75	5	CICR. & PUMP PILL												
1	X O	188	77		TYPE	HX-S30	HX-S30	FLUID LOSS (cm ³)		8.5	9.0							215	245	0.50	22	BLOW KELLY RACK KELLY BACK & BUT ELEVATORS ON. (SET CROWN SAVER FOR TRIPPING & FUNCTION)												
1	MONEL	182	9.18		SERIAL NO	6022559	6012868	pH		9.5	90							245	500	2.25	6	P O O H. TO CHANGE BIT & CHECK MWD (FLOW CHECK AT BOTTOM 781 492.173.0UT)												
1	X O	188	50			309 6	3	X	PVT		52.4	59.4						500	545	0.75	20	DIR. WORK (CHECK DIR. TOOLS)												
1	P.S.L. SUB	159	2.50		JETS													545	615	0.50	7	RIG SERVICE & FUNCTION PIPE RAMS& BLIND RAMS												
1	X O	169	78				10 3											615	700	0.75	23	DRESS & CHANGE BIT												
2	6.5 DRILL COLLARS	185	27.34		DEPTH OUT (in)			MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE APa		PUMP NO 1		PUMP NO 2		815	700	0.75	23	SAFETY MEETING -SLIP &CUT										
	JAR	180	4.81		DEPTH IN (in)	492	805	PRODUCT			AMOUNT			UNIT			UNER SIZE		SPM		700	715	0.25	21	DOUBLE SLIP & CUTAND SET UP DRAWWORKS BRAKES									
12	6.5" DCs	185	109.35		TOTAL DRILLED (in)	312		BARITE			32			SX			HOURS RUN		INTAKE DENSITY (kg/m ³)		OVER FLOW DENSITY		UNDER FLOW DENSITY		845	1100	1.25	6	MAKE UP BIT. CHECK MWD RH					
1	X O		99		TOTAL HRS RUN	63.25											REDUCED PUMP SPEED				1100	1115	0.25	21	SAFETY MEETING AGENDA FOR TODAY									
					CUTTING STRUCTURE												12		1060		1050		1780		1115	1200	0.75	6	RIH WITH DP					
					T1 To MDC LOG BR3 CH4E OOC REASON PULLED TOTAL RUN HRS												HOURS RUN		INTAKE DENSITY (kg/m ³)		OVER FLOW DENSITY		UNDER FLOW DENSITY		1200				JSA, REV B-19,A-43, A-44					
					LT A 1 2 LT RP 14.8																													
					HOLE CONDITION																													
21	DRILL PIPE STANDS		607.2		HOLE DRAG			2-3 DaN UP& DN																							NOTES FUNCTION CROWN SAVER & VISUALLY INSPECT BRAKES & BRAKE UNLAGE LB.			
2	DRILL PIPE SINGLES		19.26																												VISUALLY INSPECT BOPL. KILLLINE & VALVES, HCR LINE & VALVES STABBING VALVE.			
	KELLY DOWN		4.07		TORQUE AT BOTTOM			40																							INSIDE BOPL& MAINFOLD BOILER BLOW DOWN (125L X 2)			
	TOTAL		805.00																												HOLE FILL MEA 6.07m3 CAL. 4.94m3 DIFF 1.13m3 MORE			
	WT OF DC		18		FILL ON BOTTOM (in)																										DRILLER CLARGE STAR @ NABORS EXPENSE			
	WT OF STANDS																														DRILLER SIGNATURE			
																															LARRY BREALULT			
																															TIME / DEPTH			
																															SAFETY TOPIC			
																															MDC			
																															MDCP			

[illegible]

NO		DRILLING ASSEMBLY (+ END OF TOUR)		LENGTH		BIT RECORD						DAY TOUR			MUD RECORD				METRES DRILLED								TIME LOG																								
		BIT		OLD		BT NO		TWO				MUD TYPE		GEL		WATER BASED		☒ OIL BASED		FROM		TD		D-R-C		RPM		WOB		FROM		TD		ELAPSED TIME		CODE		DETAILS OF OPERATIONS IN SEQUENCE & REMARKS													
		MOTOR		186		7		93		SIZE		216				TIME		1200		1400		1800		785		805		R		30		2		1200		1215		0.25		8		RIH									
		MONEL		181		9		38		ADC CODE		5		3		7																		1215		1230		0.25		22		PICK UP KELLY & BLOW BREAK CIRC									
		HAND OFF SUB		186		1		02		MANUFACTURER		HUGHES				FUNNEL VISCOSITY		57		57		63										1230		1330		1.00		3		REAM UNDER GAGE HOLE											
		X.O.		188		77				TYPE		HX-530				FLUID LOSS (cm3)		9.5		9.5		7.5										1330		1845		3.25		2		DRILL BREAK IN BIT DRILL 216 MM HOLE FR 805 TO 813M											
		MONEL		182		8		18		SERIAL NO		8012888				pH		9		9		9.5										1845		1700		0.25		7		RIG SERVICE FUNCTION ANNULAR											
		X.O.		189		50				JETS		3		X				PVT		59.4		57.5		59.1								1700		1900		2.00		2		DRILL 216MM HOLE FR 813M TO 822											
		P.S.L. SUB		188		2		50		10.3						MUD MATERIALS ADDED						SOLIDS CONTROL				CIRCULATION PRESSURE KPa		PUMP NO 1		PUMP NO 2		1915		2300		3.75		2		PRE TOUR SAFETY MEETING/ MEETING WITH APACHE REP THORE SKAFTE DISCUSSED HOUSEKEEPING, LOADER OPERATIONS AND CONNECTIONS											
		X.O.		188		78										PRODUCT		AMOUNT		UNIT						UNDER SIZE		SPM		UNDER SIZE		SPM		2300		2345		0.75		10		DRILL 216mm HOLE F/RZM -840M									
		6.5" DRILL COLLARS		186		27		34		DEPTH OUT (in)		805				GEL		27		SX		CENTRIFUGE				8800		152		110		152		110		2345		2400		0.25		23		DEVIATION SURVEY ACC							
		JAR		180		4		81		DEPTH IN (in)		805				HOURS RUN		INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY																		BOP DRILL WITH CREW (WELL SHUT IN 105 sec)											
		6.5" DCS		186		100		35		TOTAL DRILLED (in)		35										REDUCED PUMP SPEED >				1700		45		842																					
		X.O.				89				TOTAL HAS RUN		9										DEVIATION SURVEYS																													
																										DEPTH (m)		DEVIATION		DIRECTION		779		66		6		187.2													
																										809		50		3		191.8												NOTES visually inspect brakes, linkage, kill line & valves, test valves, manually bleed s							
																										819		12		5		234.5												inside top, stabbing valve, reset crown saver for drilling, boiler blow down 2x125							

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APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937

APACHE CANADA LTD

NABORS DRILLING

SURFACE LOCATION

65 56 24 00 N 126 38 17 00 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE

THOR SKAFTE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

CARL BREAU

DAILY CHECKS

(1) Daily Walk Around Inspection

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

(3) L-550 Sign Posted if Required

(4) Well License & Stock Diagram Posted

(5) Plans Lines Staked

(6) L-5000 Data Performed

(7) Visually Inspect BOP's, Flow Lines & Chokeover Lines

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

(2) CAODC Rig State Inspection Checklist (week/monthly)

(3) Must Inspect before Raising or Lowering

(4) Crown Saver Checked

(5) Motor Vibs Checked

YEAR

MONTH

DAY

TIME

Q.D.

MIN

Q.D.

MIN

MASS

Q.D.

MIN

GRADE

Q.D.

MIN

NO. OF JOINTS

TOTAL LENGTH

Q.D.

MIN

IS TO CSO HEAD

SET AT IN

SPUD DATE

2005/02/24

TIME

14:30

RIG RELEASE

TIME

14:30

WELL TYPE

AS-ENTRY

OPERATOR'S AFE

NT-05-0033

KELLY BSHG

4.58

OP FUEL

CONTRACTOR'S JOB NUM

3937

TOUR SHEET SERIAL NUM

NABRS2_20050312_1B

VENDOR SOFTWARE VERSION

EDR_3-1.1_HF4 ETS 2.2

CAODC

PASON

DRILLING CREW PAYROLL DATA

WELL NAME & NO.

YEAR

MONTH

DAY

OPERATOR

CONTRACTOR

RIG MANAGER

RIG NO.

PROVINCE

CAMP

YES

NO

RIG SAFETY DAYS

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

DRILLING ASSEMBLY (AT END OF TOUR)

LENGTH

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS



PASON

DRILLING CREW PAYROLL DATA					
WELL NAME & NO.			YEAR	MONTH	DAY
OPERATOR			CONTRACTOR		
BIG MANAGER			BIG NO.		
PROVINCE	CAMP	☐ YES ☐ NO	BIG SAFETY DAYS		

[illegible][illegible]

[illegible]

[illegible]

LICENCE NO 9999 WELL NAME & NO APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937

OPERATOR APACHE CANADA LTD CONTRACTOR NABORS DRILLING

SURFACE LOCATION 65 56 24 00 N 126 38 17 00 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE THOR SKAFTE SIGNATURE OF CONTRACTOR'S RIG MANAGER CARL BREULT

- DAILY CHECKS
- (1) Daily Walk Around Inspection
 - (2) Detailed Inspection Weekly (Using Check List)
 - (3) H2S Signs Posted if Required
 - (4) Well Licence & Block Diagram Posted
 - (5) Flare Line Tested
 - (6) BOP Data Performed
 - (7) Visually Inspect BOPs - Flare Lines & Degasser Lines
 - (8) RIG Site Health & Safety Meeting (one/month)
 - (9) CADCOC Rig Safety Inspection Checklist (one/month)
 - (10) Visual Inspection Inside Raising or Lowering
 - (11) Crown Saver Checked
 - (12) Motor Kill Checked

YEAR 2005 MONTH 3 DAY 19

LOG C-5110 TUBING CP L&E

244 5 222.38 64.74 IPSCO L-80 38 493.88 5 17 482

TEMPERATURE 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

CURRENT CONDITIONS CLEAR

WIND DIRECTION CALM ROAD CONDITION DRY

DC 102 25.68 SS105 82 86 XT-39 202 A600 PT OILWELL 203

DC 159 143 E 65 165 4.5 H-90 21 A600 PT OILWELL 203

DC 219 E 219 7 H 90 2

SPUD DATE 2005/02/24 TIME 14 30

RIG RELEASE TIME

WELL TYPE RS-ENTRY

OPERATOR'S AFE NT-05-0033

KELLY BSHG 4 58 GP FUEL

CONTRACTOR'S JOB NUM 3837

TOUR SHEET SERIAL NUM NABR82_20050319_1C

VENDOR SOFTWARE VERSION EDR_3-1-1_HF4 ETS 2.2



PASON

CODE	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	27	28	29	30
MORN			10.5						0.75		0.5										0.25									
DAY			4.25			1.25	5.75	0.25			0.25										0.25									
TOTAL			14.75			1.25	5.75	0.25	0.75		0.75										0.50									

NO	TYPE	SHAPE	SHAKER (S)	RENTALS	SERVICES	MORNING	DAY
110	TOP	TOP					
110	MIDDLE	MIDDLE					
110	BOTTOM	BOTTOM					
TOTALS							

DRILLING CREW PAYROLL DATA

WELL NAME & NO YEAR MONTH DAY

OPERATOR CONTRACTOR

RIG MANAGER RIG NO

PROVINCIAL CAMP YES NO RIG SAFETY DAYS

NO	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	MORNING TOUR	MUD RECORD	METRES DRILLED	TIME LOG
1	BIT	O.D. 35	BT NO 5	MUD TYPE SALT MUD	WATER BASED X OIL BASED	FROM TO D-R-C RPM WOB	FROM TO ELAPSED TIME CODE
1	MOTOR	165 7.58	SIZE 216	TIME 0200	0600 1000	1382 1428 D 40 10	0000 415 4.25 2
1	MICHEL	161 9.39	ACC CODE 5 2 7	DENSITY (kg/m3) 1270	1280 1290		415 500 0.75 8
1	HANG OFF SUB	165 1.02	MANUFACTURER HUGHES	FUNNEL VISCOSITY 55	53 54		500 700 2.00 2
1	X.O	168 7.7	TYPE GX 28	FLUID LOSS (cm3) 14.0	14.0 8.5		700 715 0.25 21
1	MICHEL	162 9.16	SERIAL NO 6032391	pH 12.0	12.0 12.0		715 1130 4.25 2
1	X.O	168 50	ETS 11.1 11.1	PVT 62.7	62.1 61.4		1130 1200 0.50 10
1	P.B.L. SUB	159 2.50					
1	X.O	169 78					
1	6.5" DRILL COLLARS	165 27.34	DEPTH OUT (H) 1293				
1	JAR	160 4.81	DEPTH IN (H) 135				
1	6.5" DCs	165 109.35	TOTAL DRILLED (H) 36.25				
1	X.O	99	TOTAL HRS RUN				
			CUTTING STRUCTURE				
			TI TS MDC LOC BRO GAGE OOC REASON PULLED TOTAL RUN (HRS)				
			HOLE CONDITION				
			HOLE DRAG 2-4 UP 1 DOWN				
			TORQUE AT BOTTOM 40				
			FILL ON BOTTOM (H)				
			WT OF DC 16				
			WT OF STRING 50				

NO	TYPE	SHAPE	SHAKER (S)	RENTALS	SERVICES	MORNING	DAY
110	TOP	TOP					
110	MIDDLE	MIDDLE					
110	BOTTOM	BOTTOM					
TOTALS							

NO	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD	DAY TOUR	MUD RECORD	METRES DRILLED	TIME LOG
1	BIT	O.D. 35	BT NO 5	MUD TYPE SALT MUD	WATER BASED X OIL BASED	FROM TO D-R-C RPM WOB	FROM TO ELAPSED TIME CODE
1	MOTOR	165 7.58	SIZE 216	TIME 1400	1800 2200	1428 1440 50 D 30 10	1200 1600 4.00 2
1	MICHEL	161 9.39	ACC CODE 5 2 7	DENSITY (kg/m3) 1285	1290		1600 1815 0.25 7
1	HANG OFF SUB	165 1.02	MANUFACTURER HUGHES	FUNNEL VISCOSITY 54	54		1815 1630 0.25 2
1	X.O	168 7.7	TYPE GX 28	FLUID LOSS (cm3) 9.0	9.0		1630 1645 0.25 10
1	MICHEL	162 9.16	SERIAL NO 6032391	pH 12.0	12.0		1645 1715 0.50 5
1	X.O	168 30	ETS 11.1 11.1	VOLUME 61.5	58.2		1715 1800 1.75 6
1	P.B.L. SUB	159 2.50					1800 1915 0.25 21
1	X.O	169 78					
1	6.5" DRILL COLLARS	165 27.34	DEPTH OUT (H) 1440 50				1915 2215 3.00 8
1	JAR	160 4.81	DEPTH IN (H) 1293				2215 2300 0.75 5
1	6.5" DCs	165 109.35	TOTAL DRILLED (H) 147 50				2300 2400 1.00 6
1	X.O	99	TOTAL HRS RUN 40 50				
			CUTTING STRUCTURE				
			TI TS MDC LOC BRO GAGE OOC REASON PULLED TOTAL RUN (HRS)				
			HOLE CONDITION				
			HOLE DRAG				
			TORQUE AT BOTTOM				
			FILL ON BOTTOM (H)				
			WT OF DC 16				
			WT OF STRING 52				

DRILLING CREW PAYROLL DATA

WELL NAME & NO YEAR MONTH DAY

OPERATOR CONTRACTOR

RIG MANAGER RIG NO

PROVINCIAL CAMP YES NO RIG SAFETY DAYS

RATE SCHEDULE REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

DAY TOUR FROM 1200 TO 2400 INJURIES

CREW SOC INS. NO NAME HRS YES NO

RATE SCHEDULE REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

DAILY CHECKS

- (1) Daily Walks Around Inspection
- (2) Detailed Inspection Weekly (Using Check List)
- (3) H2S Sigma Point if Required
- (4) Well Licence & Stick Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's- Flare Lines & Digressor Lines
- (1) Rig Site Health & Safety Meeting (once/week/month)
- (2) CADC Rig Safety Inspection Checklist (once/month)
- (3) Must Inspect before Raising or Lowering
- (4) Crown Sliver Checked
- (5) Motor Kilo Checked

SPLO DATE		2005/02/24	TIME		14 30
RFO RELEASE			TIME		
WELL TYPE			RS-ENTRY		
OPERATOR'S AFE		NT 05-0033			
KELLY BSHD		4 58	OP FUEL		
CONTRACTOR'S JOB NUM		3837			
TOUR SHEET SERIAL NUM		NABR62_20050320_1H			
VENDOR SOFTWARE VERSION		EDR 3-11_HF4 ETS 2.2			

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.		YEAR	BIRTH DAY
OPERATOR		CONTRACTOR	
RIG MANAGER		RIG NO.	
PROVINCE	CAMP ☐ YES ☐ NO	RIG SAFETY DATS	

[illegible][illegible]

LICENCE NO 9999 WELL NAME & NO APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937

OPERATOR APACHE CANADA LTD CONTRACTOR NABORS DRILLING

SURFACE LOCATION 66 56 24 00 N 126 38 17 00 W UNIT G, SECTION 47

SIGNATURE OF OPERATOR'S REPRESENTATIVE THOR SKAFTE SIGNATURE OF CONTRACTOR'S RIG MANAGER CARL BREULT

DAILY CHECKS

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

(1) Rig Site Health & Safety Meeting (once a month)
(2) CADCDC Rig Safety Inspection Checklist (once a month)
(3) Most Inspection before Raising or Lowering
(4) Crown Riser Checked
(5) Motor Ribs Checked

YEAR 2005 MONTH 3 DAY 22

LAST CHANGING TUBES: CS UN-EP

OD 244.5 MWID 222.38 MASS 64.74 MAKE IPSCO GRADE L-80 NO OF JOINTS 38 TOTAL LENGTH 433.98 HS TO CGO HEAD 5.17 SET AT (ft) 492

TEMPERATURE 19 DC/DP 102 MASS 25.68 GRADE SS105 82 98 XT-39 202 A800 PT OILWELL 203

CURRENT CONDITIONS CLEAR WIND DIRECTION CALM ROAD CONDITION ICE

SHALE SHAKER (S) RENTALS SERVICES MORNING DAY

NO. 1 TYPE SHACKED TYPE

SCREENS CHANGED NEW USED

TOP TOP

MIDDLE MIDDLE

BOTTOM BOTTOM

SPUD DATE 2005/02/24 TIME 14:30

RIG RELEASE TIME

RE-ENTRY

OPERATOR'S AFE NT-05-0033

KELLY BSH 4.58 OF FUEL

CONTRACTOR'S JOB NO 3937

TOUR SHEET SERIAL NUM NABR62_20050322_18

VENDOR SOFTWARE VERSION EDR_3-1.1_HF4 ETS 2.2



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
	NO. 1 TEARDOWN	DRILL ACTUAL	REAMING	CORING	CONC. MED. & CONC.	TRIPS	RG EDICER	REPAIR RG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN LOG & CEMENT	PUMP ON CEMENT	HIPPLE UP S.O.P.	TEST S.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FEEDING	DR. WORK	SAFETY MEETING				
MORN						5.75	0.25									4.5				1.25	0.25				
DAY		5.0			0.75	4.5	0.25													0.5	1.0				
TOTAL		5.00			0.75	10.25	0.50									4.50				1.75	1.25				

NO. 1 DRILLING ASSEMBLY (AT END OF TOUR) LENGTH 29

BIT RECORD

BIT NO RR4

MUD TYPE SALT MUD WATER BASED ☒ OIL BASED ☐

MUD RECORD

FROM TO D-R-C RPM WOB

METRES DRILLED

FROM TO ELAPSED TIME CODE

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0 15 0.25 16 DRILL STEM TEST # ONE

15 200 1.75 16 UNSEAT PACKER & WORK STUCK DST

200 615 4.25 6 P O O H WITH DST # ONE FLOW CHECK AT 1449,1310 1132,872,727 583,294

OUT OF HOLE

615 700 0.75 16 DRILL STEM TEST (RECOVER DST)

700 715 0.25 21 SAFETY MEETING-LAYING DOWN DST

715 900 1.75 16 TEAR DOWN DST

900 1000 1.00 6 MOVE COLLARS

1000 1015 0.25 7 RIG SERVICE FUNCTION BLIND RAMS WHILE OUT OF HOLE

1015 1130 1.25 20 WORKING MWD TOOLS

1130 1200 0.50 6 RIH WITH RR4

USA # (REV A-56A-82B-01)

EXTRA CONSULTANT ON LOCATION -BOB BROOKS

EXTRA RIG MANAGER ON LOCATION-RUSS LINDSAY

NOTES FUNCTION CROWN SAVER & INSPECT BRAKES & BRAKE LINKAGE, VISUALLY INSPECT BOPs, KILL LINE & VALVES, HOR LINE & VALVES, STABBING VALVE, INSIDE BOP & MANFOLD

BOILER BLOW DOWN (125 L X 2)

MEAS- 15.26 CAL-13.56 DIFF 1.70m3 MORE

DRILLER SIGNATURE LARRY BREULT

SPECIAL EVENT TIME / DEPTH

SAFETY TOPIC MBL MRCP

TEAR DOWN DST 70 3568

NO. 2 DRILLING ASSEMBLY (AT END OF TOUR) LENGTH 25

BIT RECORD

BIT NO RR4

MUD TYPE SALT MUD WATER BASED ☒ OIL BASED ☐

MUD RECORD

FROM TO D-R-C RPM WOB

METRES DRILLED

FROM TO ELAPSED TIME CODE

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200 1400 2.00 6 RIH WITH BIT # RR4

1400 1430 0.50 20 PICK UP KELLY & TEST MWD

1430 1545 1.25 6 FINISH RIH WITH BIT #RR4

1545 1615 0.50 21 SAFETY MEETING BOP DRILL WHILE TRIPPING 3 MIN WELL SECURE

1615 1730 1.25 6 FINISH RIH WITH BIT # RR 4

1730 1815 0.75 5 WASH TO BOTTOM AND PATTERN BIT

1815 1900 0.75 2 DRILL 218MM HOLE FR1440 TO 1442

1900 1915 0.25 21 PRE-TOUR SAFETY MEETING WITH APACHE REP THOR SKAFTE

HOUSE KEEPING CREWS WORK TOGETHER GOOD GREAT IMPROVEMENT ON BOP DRILLS

1915 1930 0.25 21 SAFETY MEETING BOP DRILL WHILE DRILLING WELL SECURE IN 50 SEC

1930 2345 4.25 2 MOTOR DRILL 218mm HOLE Fr 1442 To 1450

2345 2400 0.25 7 RIG SERVICE & FUNCTION HYDRILL

NOTES VISUALLY INSPECT BRAKES LINKAGE, MANFOLD BOP'S, STABBING VALVE, INSIDE BOP, HOR LINE & VALVES, KILL LINE & VALVES, FUNCTION CROWN SAVER, BOILER BLOW DOWN 2X125L

MEGAJOULES AT 2400 HRS 4508

DRILLER SIGNATURE ANDY MOROZ

SPECIAL EVENT TIME / DEPTH

SAFETY TOPIC MBL MRCP

HOUSE KEEPING 55 3668

DRILLING CREW PAYROLL DATA

WELL NAME & NO. YEAR MONTH DAY

OPERATOR CONTRACTOR

RIG MANAGER RIG NO.

PROVINCE CAMP ☐ YES ☐ NO RIG SAFETY DAYS

MORNING TOUR FROM 0 TO 1200 INJURIES

CREW SOC INS NO NAME HRS YES NO

RATE SCHEDULE REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

DAY TOUR FROM 1200 TO 2400 INJURIES

CREW SOC INS NO NAME HRS YES NO

RATE SCHEDULE REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

DAILY CHECKS

(1)	Daily Walks Around Inspection
(2)	Detailed Inspection Weekly (Using Check List)
(3)	H2S Signs Posted if Required
(4)	Well License & Stock Diagram Posted
(5)	Flare Lines Staked
(6)	BOP Dots Performed
(7)	Visually Inspect BOPs, Flare Lines & Degasser Lines
(1)	Rig Site Health & Safety Meeting (once/crawmonth)
(2)	CAGOC Rig Sidel Inspection Checklist (onw/crawmonth)
(3)	Meet inspection before Raising or Lowering
(4)	Crown Saver Checked
(5)	Master Kills Checked

	O.D. (mm)	M.I.N I.D (mm)	MASS (kg/m3)	MAKE	GRADE	NO OF JOINTS	TOTAL LENGTH	KB TO CSD HEAD	SET AT
244.5	222.38	64.74	IPSCO	L-80	38	483.98	5.17	492	
MASS	GRADE	SCHEDULE I/D	T. JNT O.D.	TYPE THREAD	NO OF JOINTS	PUMP TYPE	PUMP MANUFACTURER		STROK LENGTH
25.68	SS105	82	86	XT-38	2022	A600 PT	OILWELL		203
143	E	85	185	4.5 H-80	21	A600 PT	OILWELL		203
	E	218	7 H 80	2					



PASON

DRILLING CREW PAYROLL DATA						
WELL NAME & NO.				YEAR	MORTH	DAY
OPERATOR			CONTRACTOR			
RIG MANAGER				RIG NO.		
PROVINCE	CAMP	☐ YES	☐ NO	RIG SAFETY DAYS		

[illegible][illegible]

LICENCE NO: 9999
 WELL NAME & NO: APACHE PARAMOUNT TURTON LAKE G-47, JOB # 3937
 OPERATOR: APACHE CANADA LTD
 SURFACE LOCATION: 65 56 24 00 N 126 38 17 00 W
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: BOB BRAITHWAITE
 CONTRACTOR: NABORS DRILLING
 UNIQUE ID: UNIT G, SECTION 47
 SIGNATURE OF CONTRACTOR'S RIG MANAGER: ROSS BIRTWISTLE

DAILY CHECKS
 (1) Daily Walk Around Inspection
 (2) Detailed Inspection Weekly (Using Check List)
 (3) H2S Signs Posted if Required
 (4) Well Location & Stock Diagram Posted
 (5) Flow Lines Checked
 (6) BOP Drills Performed
 (7) Visually Inspect BOPs-Flare Lines & Degasser Lines
 (8) RIG Site Health & Safety Meeting (once a month)
 (9) CADCOC Rig Safety Inspection Checklist (once a month)
 (10) Well Inspection before Raising or Lowering
 (11) Crown Saver Checked
 (12) Motor Vibs Checked

YEAR: 2005 MONTH: 3 DAY: 24
 RIG NO: 62
 FUEL @ 04:00 HRS: 136
 TEMPERATURE: 15
 CURRENT CONDITIONS: CLEAR
 WIND DIRECTION: WINDY
 ROAD CONDITION: ICE
 DZ: 102
 DC: 159
 DC: 219
 MASS: 25.68
 GRADE: E
 MASS: 82
 GRADE: 88
 T.JT: 98
 TYPE: XT-36
 NO. OF JOINTS: 202
 PUMP TYPE: AGO PT
 PUMP MANUFACTURER: OILWELL
 STROKE LENGTH: 203
 NO. OF JOINTS: 38
 TOTAL LENGTH: 453.98
 NO. TO CSD HEAD: 517
 SET AT (m): 422

SPUD DATE: 2005/02/24
 TIME: 14:30
 RIG RELEASE: TIME
 WELL TYPE: AS-ENTRY
 OPERATOR'S AFE: NT 05-0033
 KELLY BEND: 4.58
 CP FUEL: 203
 CONTRACTOR'S JOB NUM: 3937
 TOUR SHEET SERIAL NUM: NABR82_20050324_18
 VENDOR SOFTWARE VERSION: EDR_3-1.1_HF4 ETS 2.2



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	RENTALS / SERVICES	MORNING	DAY
	RISEUP & TEARDOWN	DRILL ACTUAL	REASING	CORING	CONC MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CSD & CEMENT	WAIT ON CEMENT	HOIST UP & D.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	BOULEZEE CEMENT	FISHING	DR. WORK	SAFETY MEETING												
NOFN																																	
DAY						4.0	6.25	0.5																									
TOTAL						4.00	6.25	0.50																									

NO. DRILLING ASSEMBLY (AT END OF TOUR)
 LENGTH: 25
 BIT NO: 83
 SIZE: 218
 MUD TYPE: WATER BASED
 FROM: TO: D.R.C: RPM: WOB: 1429 1465 C 60 4
 TIME LOG: 1200 1315 1.25 11 WIRE LINE LOGS (LDT) RIG DOWN LOGGERS
 1315 1330 0.25 7 RIG SERVICE-FUNCTION BLIND RAMS
 1330 1715 3.75 6 RIH WITH BIT #RR-4
 1715 2015 3.00 5 WASH 36M TO BTM
 2015 2115 1.00 5 CONDITION MUD & CIRC
 2115 2345 2.50 6 TPULL TO L.O. D.C. (FLOW CHECKS @ 1454 1298 721 172.00H
 2345 2400 0.25 7 RIG SERVICE F.T. ANN. O/C 45EC
 2400

NO. DRILLING ASSEMBLY (AT END OF TOUR)
 LENGTH: 25
 BIT NO: 83
 SIZE: 218
 MUD TYPE: WATER BASED
 FROM: TO: D.R.C: RPM: WOB: 1429 1465 C 60 4
 TIME LOG: 1200 1315 1.25 11 WIRE LINE LOGS (LDT) RIG DOWN LOGGERS
 1315 1330 0.25 7 RIG SERVICE-FUNCTION BLIND RAMS
 1330 1715 3.75 6 RIH WITH BIT #RR-4
 1715 2015 3.00 5 WASH 36M TO BTM
 2015 2115 1.00 5 CONDITION MUD & CIRC
 2115 2345 2.50 6 TPULL TO L.O. D.C. (FLOW CHECKS @ 1454 1298 721 172.00H
 2345 2400 0.25 7 RIG SERVICE F.T. ANN. O/C 45EC
 2400

DRILLING CREW PAYROLL DATA
 WELL NAME & NO.:
 OPERATOR: CONTRACTOR:
 RIG MANAGER: RIG NO.:
 PROVINCE: CAMP: YES NO RIG SAFETY DAYS:
 MORNING TOUR: FROM 0 TO 1200 DUES: YES NO
 RATE SCHEDULE: REGULAR REPAIR INVERT
 CREW SAFETY DAYS: DRIVERS:
 DAY TOUR: FROM 1200 TO 2400 DUES: YES NO
 RATE SCHEDULE: REGULAR REPAIR INVERT
 CREW SAFETY DAYS: DRIVERS:



PASON

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.		YEAR	MONTH
OPERATOR		CONTRACTOR	
RIG MANAGER		RIG NO.	
PROVINCE	CAMP ☐ YES ☐ NO	RIG SAFETY DAYS	

[illegible][illegible]

DAILY CHECKS

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection Weekly (Using Check List)
- (3) H2S Signs Posted if Required
- (4) Vent Licenses & Stick Diagram Posted
- (5) Flame Lines Stated
- (6) BOP Drills Performed
- (7) Visually Inspect BOP's, Flame Lines & Degreaser Lines
- (1) Rig Site Health & Safety Meeting (once/week/month)
- (2) CHOC Rig Inspection Checklist (overnight/month)
- (3) Visual inspection before Raising or Lowering
- (4) Crown Saver Checked
- (5) Motor Gills Checked

O.D. (mm)	MIN.O.D. (mm)	MASS (kg/m)	MAKE		GRADE	NO OF JOINTS	TOTAL LENGTH	KG TO CSG HEAD	SET AT (m)
244.5	222.38	64.74	IPSCO		L-80	38	493.96	5.17	492
MASS	GRADE	MINIMUM I.D.	J INT O.D.	TYPE THREAD	NO OF JOINTS	PUMP TYPE	PUMP MANUFACTURER		STROKE LENGTH
25.68	SS105	82	96	XT-39	202	A600 PT	OILWELL		203
143	E	65	165	4.5" H-90	21	A600 PT	OILWELL		203
	E		219	7 H 90	2				



PASON

		SMALL SHAPER (S)		RENTALS SERVICES		MORNING	DAY
TOTALS	NO	TYPE	TYPE				
		SCREENING CHANGED	NEW USED				
12:00	B4	TOP	TOP				
12:00		MIDDLE	MIDDLE				
24:00	50	BOTTOM	BOTTOM				

DRILLING CREW PAYROLL DATA			
WELL NAME & NO.		YEAR	MONTH DAY
OPERATOR		CONTRACTOR	
RIG MANAGER		RIG NO.	
PROVINCE	CAMP	YES	NO
		RIG SAFETY DAYS	

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

LICENCE NO 9999 WELL NAME & NO APACHE PARAMOUNT TURTON LAKE G-47 JOB # 3937

OPERATOR APACHE CANADA LTD CONTRACTOR NABORS DRILLING

SURFACE LOCATION 65 56 24 00 N 126 38 17 00 W UNIT G SECTION 47

SIGNATURE OF OPERATOR'S REPRESENTATIVE BOB BRAITHWAITE SIGNATURE OF CONTRACTOR'S RIG MANAGER ROSS BIRTWISTLE

- DAILY CHECKS
- (1) Daily Walk Around Inspection
 - (2) Detailed Inspection Weekly (Using Check List)
 - (3) H2S Signs Posted if Required
 - (4) Well Location & Block Diagram Posted
 - (5) Flow Lines Stated
 - (6) BOP Dds Performed
 - (7) Visually Inspect BOPs, Flow Lines & Degasser Lines
 - (8) Rig Site Health & Safety Meeting (onshore/offshore)
 - (9) CADC Rig Safety Inspection Checklist (onshore/offshore)
 - (10) Mast Inspection before Raising or Lowering
 - (11) Crown Saver Checked
 - (12) Motor Kils Checked

YEAR 2005 MONTH 3 DAY 27

LAST C-510 TUBING CE LINE-#

QD 244.5 MW 222.38 MASS 64.74 MAKE IPSCO GRADE L-80 NO OF JOINTS 38 TOTAL LENGTH 433.98 KB TO CSO HEAD 5 17 SET AT 492

FUEL @ 09 00 HRS

TEMPERATURE 12 CO DP 102 DC 159 DC 219

MASS 25.68 GRADE SS105 82 98 XT-39 202 ABOD PT OILWELL 203

MINIMUM LD 165 4.5" H-60 21 ABOD PT OILWELL 203

7 H 90 2

SPUD DATE 2005/02/24 TIME 14 30

RIG RELEASE TIME

RE-ENTRY

OPERATOR'S AFE NT-05-0033

KELLY BSHG 4.58 OP FUEL

CONTRACTOR'S JOB NUM 3937

TOUR SHEET SERIAL NUM NABR82_20050327_18

VENDOR SOFTWARE VERSION EDR_3-1_1_HF4 ETS 2.2



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
RCUP & TEARDOWN	REMAINING	REMAINING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	CORING	
MORN																											12.00
DAY																											12.00
TOTAL																											24.00

DRILLING CREW PAYROLL DATA

WELL NAME & NO. YEAR MONTH DAY

OPERATOR CONTRACTOR

RIG MANAGER RIG NO.

PROVINCE CAMP YES NO RIG SAFETY DAYS

BIT RECORD

MORNING TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

0 230 2.50 22 RUN TUBING FOR 244 4mm CSG SCRAPER RUN SCRAPE FR 250M TO-315M

230 300 0.50 5 REVERSE CIRCULATE @ 350M

300 445 1.75 22 PULL & L/D TUBING

445 700 2.25 11 CONDUCT PREJOB MEETING WITH S WIRE LINERS RIG IN & BOND LOG

700 715 0.25 21 SAFETY MEETING

715 815 1.00 11 WIRE LINE LOGS

815 1200 3.75 23 COMPLETION WORK

1200

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

BOILERS

1 2

HRS RUN 12 HRS RUN 12

BOILER PH 10.5 BOILER PH 10.5

STACK TEMP

STACK TEMP

DRILLER SIGNATURE VINCE HEBERT

SPECIAL EVENT

TIME / DEPTH

PAU TUBING

MORNING TOUR

CREW SOC INS NO NAME HRS YES NO

RATE SCHEDULE REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

DAY TOUR

CREW SOC INS NO NAME HRS YES NO

RATE SCHEDULE REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

BIT RECORD

DAY TOUR

MUD RECORD

METRES DRILLED

TIME LOG

DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

1200 1230 0.50 23 COMPLETION WORK

1230 1245 0.25 21 SAFETY MEETING WITH IPS HALIBURTON POWER TONGS

1245 1615 3.50 23 PAU PERF GUN FIRING HEAD PACKER AND TUBING & RIH

1615 1715 1.00 11 WIRE LINE SPACE OUT

1715 1745 0.50 23 SET PACKER & TUBING HANGER

1745 1900 1.25 11 WIRE LINE PACKER DEPTH 7

1900 2000 1.00 15 PRESS TEST PACKER TO 7000 KPA 10 MIN HOLD

2000 2400 4.00 14 NIPPLE DOWN BOPS

2400

MUD MATERIALS ADDED

SOLIDS CONTROL

CENTRIFUGE

REDUCED PUMP SPEED

DEVIATION SURVEYS

DEPTH (m) DEVIATION DIRECTION

BOILERS

1 2

HRS RUN 12 HRS RUN 12

BOILER PH

BOILER PH

STACK TEMP

STACK TEMP

DRILLER SIGNATURE RICK FILPCHUK

SPECIAL EVENT

TIME / DEPTH

PAU PERF GUN

DAY TOUR

CREW SOC INS NO NAME HRS YES NO

RATE SCHEDULE REGULAR REPAIR INVERT

CREW SAFETY DAYS DRIVERS

DAILY CHECKS

- (1) Daily Walk Around Inspection
- (2) Detailed Inspection Weekly (Using Check List)
- (3) H2S Signs Posted if Required
- (4) Well Licence & Block Diagram Posted
- (5) Flare Lines Staked
- (6) BOP Tests Performed
- (7) Visually inspect BOP's, Flare Lines & Digester Lines
- (1) Rig Site Health & Safety Meeting (once/week/month)
- (2) CHOCOC Rig Daily Inspection Checklist (one/week/month)
- (3) Must inspect before Raising or Lowering
- (4) Crown Screw Checked
- (5) Motor Kils Checked

LAST CASING RUNNING WATER	O.D. (in)	MINID (in)	MASS (kg/m)	MAKE		GRADE	NO OF JOINTS	TOTAL LENGTH	NO TO CSD HEAD	SET AT (m)
	244.5	222.38	64.74	IPSCGO		L-80	38	493.98	5 17	492
DC/DP SIZE	MAGS	GRADE	MINOR ID	T JNT ID	TYPE THREAD	NO OF JOINTS	FLAP TYPE	FLAP MANUFACTURER		STROKE LENGTH
102	25.68	SS105	82	98	XT-39	202	A600 PT	OILWELL		203
159	143	E	65	165	4.5 H-90.21		A600 PT	OILWELL		203
219		E		219	7.5 H-90.2					



PASON

33		SHALE SHEETS (S)		RENTALS SERVICES	MCFRIND	DAY
	TOTALS	NO 1	TYPE BAMCOO			
		SCREENS CHANGED	NEW USED			
	12.00	84	TOP			
	12.00		MIDDLE			
	24.00	50	BOTTOM			

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



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	SINGLE SHAPER / S.I		RENTALS - SERVICES		MORNING	DAY	
	RIGUP & TIE DOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIP IN	R/O SERVICE	REPAIR R/O	CUT OFF DRILL LINE	DEV SURVEY	WIRELINE LOGS	RUN CBS & CEMENT	WAIT ON CEMENT	HOPPER UP B O P	TEST B O P	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	GR. WORK	SAFETY MEETING							NO	TYPE					
																												1	BRAND	NEW	USED			
MORN	11.5																				0.5						12.00	B4	TOP					
DAY	12.0																										12.00		MIDDLE	MIDDLE				
TOTAL	23.50																				0.50						24.00		BOTTOM	BOTTOM				

DRILLING CREW PAYROLL DATA				
WELL NAME & NO.		YEAR	MONTH	DAY
OPERATOR		CONTRACTOR		
RIG MANAGER		RIG NO.		
PROVINCE	CAMP	☐ YES	☐ NO	RIG SAFETY DAYS

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



PASON

DRILLING CREW PAYROLL DATA					
WELL NAME & NO.			YEAR	BIRTH	DAY
OPERATOR		CONTRACTOR			
RIG MANAGER			RIG NO.		
PROVINCE	CAMP	☐ YES	☐ NO	RIG SAFETY DAYS	

[illegible][illegible]