

DAILY DRILLING REPORT REPORT No.

[illegible]

No.

DAILY DRILLING REPORT REPORT No.

LEASE RANGER ETAL LITTLE BEAR			WELL No. M-39		WELL NUMBER 69°-49'-58"-129°		WATER DEPTH		DATE 98 03 05 Yr. Mo. Day		
OPERATOR RANGER OIL LTD					CONTRACTOR SHEHTAH DRILLING LTD					RIG No. 1E	
SIGNATURE OF OPERATOR'S REPRESENTATIVE [Signature]					SIGNATURE OF CONTRACTOR'S RIG MANAGER [Signature]						
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
114	24.7	E	156	4 1/2 XH	232	1	NATIONAL		8-P-80	216	
						2	NATIONAL		8-P-80	216	

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial <u>PR</u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H-S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD				
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	REEL No. 3	METRES SLIPPED	
	508						149 ^{mm}	5.2			28.6	8		
											METRES CUT OFF		PRESENT LENGTH	
											MEGAJOULES SINCE LAST CUT		2882	
											CUMULATIVE MEGAJOULES		95663	

METRES DRILLED		DR. D.	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN SGL - S PARCEL - P COM'D - C
FROM	TO	RM. R. CORE - C						LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
598	602.60	4		FUEL @ 0600 9457	70	12	7000	152	105	152	105	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	592m	.2							

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00 ⁰⁰	00 ³⁰	.50	2	DRILL 31mm HOLE (Fr 598-602.60 T.D)	12 hrs. # 2+1
00 ³⁰	01 ³⁰	1.00	5	CIRCULATE + CONDITION HOLE (PUMP PILL)	
01 ³⁰	01 ⁴⁵	.25	10	SURVEY @ 592m .2 (BLOW KELLY)	
01 ⁴⁵	07 ³⁰	5.75	6	POOH STRAP OUT - (LAY DOWN 8-9" D.C.'S - STAB. JARS - SHOCK SUB)	
07 ³⁰	07 ⁴⁵	.25	7	RIG SERU. C	
07 ⁴⁵	12:00	4.25	11	^{WAIT ON LOGGERS} RIG TO & LOG W/ SCHLUMBERGER	

METRES DRILLED		DR. D RM. R	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
		CORE. C						LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S PARALLEL - P COM'D - C
	602 T.D				-	-	9500	152	90	152	90	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12:00	14:30	2.50	11	LOG w/ SCHLUMBERGER + RIG OUT SAME	12 hrs. # 2 + 1
14:30	14:45	.25	7	RIG SERV. (✓ CROWN SAVER PRIOR TO RUNNING IN)	
14:45	18:00	3.25	6	MAKE UP BHA + PIH - (PICK UP 6HWD + 2 AP)	
18:00	19 ³⁰	1.50	5	BREAK CIRC + TAG BOTTOM @ 602-63 CIRC + MIX PILL	
19 ³⁰	19 ⁴⁵	.25	10	SURVEY @ 600m* BLOW KELLY	
19 ⁴⁵		2.00	6	POOH TO RUN CSG. (LAY 1 SINGLE D.P. DOWN)	
	22 ³⁰	.75	10	SURVEY(3) WHILE POOH	
22 ³⁰	23 ³⁰	1.00	12	RIG TO * RUN CSG	
23 ³⁰	23 ⁴⁵	.25	7	SERVICE RIG	
23 ⁴⁵	24 ⁰⁰	.25	21	WELD SHOE + FLOAT	

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT		BIT No.				TIME			
1.	RIG UP AND TEAR DOWN				m	SIZE				DENSITY kg/m ³			
2.	DRILL ACTUAL	.50		STB RMR	OD	MFG.				PRESSURE GRADIENT			
3.	REAMING			D.C. ID	OD	TYPE				VISCOSITY			
4.	CORING			STB RMR	OD	JETS mm				PV mPa.s	YP Pa		
5.	CONDITION MUD & CIRCULATE	1.00	1.50	D.C. ID	OD	SER No.				GEL STR. Pa			
6.	TRIPS	5.75	5.25	STB RMR	OD	DEPTH OUT				WATER LOSS cm ³			
7.	LUBRICATE RIG	.25	.50			DEPTH IN				pH			
8.	REPAIR RIG					TOTAL METRES DRILLED				SOLIDS %			
9.	CUT OFF DRILLING LINE					TOTAL HRS. RUN				MUD & CHEMICALS ADDED			
10.	DEVIATION SURVEY	.25	1.00	STANDS DP	m	COND. 1/8" T/B/GAGE				TYPE	AMT. kg	TYPE	AMT. kg
11.	WIRE LINE LOGS	4.25	2.50	SINGLES DP	m	FLOW RATE m ³ /min				BARIUM 20 SKS			
12.	RUN CASING & CEMENT		1.00	KELLY DOWN	m	PRESSURE DROP kPa				GEL 35 SKS			
13.	WAIT ON CEMENT			TOTAL	m								
14.	NIPPLE UP B.O.P.			(FORCE) WT. OF STRING	daN								
15.	TEST B.O.P.			REMARKS		HELD BOP DRILL w/CREW + SAFETY MEETING WHILE TRIPPING							
16.	DRILL STEM TEST			FLOW ✓ AS NEB REQUIREMENTS - FT. CROWN SAVOR PRIOR TO TRIP									
17.	PLUG BACK			STRAP 603.10									
18.	SQUEEZE CEMENT			TALLY 602.60									
19.	FISHING			DIFF. 50									
20.	DIR. WORK			DRILLER									
21.	WELD SHOE + FLOAT	.25		Mud & Chemicals									
22.													

23.		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD				
COMPLETION	A. PERFRTN			BIT	.31 m	BIT No.	28		TIME			
	B. TBG TRIPS			1 B/S	.93	SIZE	311		DENSITY kg/m ³			
	C. TREATING			1 STB RMR	9.05 m	MFG.	Hw		PRESSURE GRADIENT			
	D. SWABBING			15 D.C. ID	171 OD 138.57 m	TYPE	GT-28		VISCOSITY			
	E. TESTING			1 STB RMR	x/6 OD .50 m	JETS mm	3x15.9		PV YP mPa.s Pa	/	/	/
	F. ADDIT'L			6 D.C. ID	Hw OD 55.70 m	SER No.	H89YB		GEL STR. Pa	/	/	/
	G.			STB RMR	OD m	DEPTH OUT	602		WATER LOSS cm ³			
TOTALS		12	12	BHA 205.06		DEPTH IN	602		pH			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						TOTAL METRES DRILLED	-		SOLIDS %			
HRS. W/CONTR. D.P.						TOTAL HRS. RUN	-		MUD & CHEMICALS ADDED			
HRS. W/OPR. D.P.									TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/DP				14 STANDS DP	394.59 m	COND. 1/8's T/B/GAGE			BARI 20.5x			
HRS. STANDBY				SINGLES DP	m	FLOW RATE m ³ /min	/	/				
				KELLY DOWN	2.98	PRESSURE DROP kPa						
				TOTAL	602.63 m							
				(FORCE) WT. OF STRING	38 000 daN							
TOTAL DAY WORK				REMARKS ✓ BRAKES & LINKAGE, DIVERTER, CROWN SAVER, HCR & KILL VALVES & ACCUMULATOR. CHANGE OIL IN CAMP LIGHT PLANT								
No. OF DAYS FROM SPUD		1/1		SAFETY TOPK - KKK WARNING SIGNS under TRIP								
CUMULATIVE ROTATING HRS.		83.75		DRILLER [Signature]								
TOTAL MUD COST												



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OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT No.

E.R.C.B.		OPR	R.M.	R.M.	
(1) Daily Walk Around Inspection	Initial	<u>DP</u>	Initial	<u>DR</u>	Initial <u>DR</u>
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial	Initial	Initial	Initial
(3) H-S Signs Posted (if required)	Initial	Initial	Initial	Initial	Initial
			(1) Rig Site Health and Safety Meeting (one meeting/crew/month)		Initial
			(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)		Initial
			(3) Mast Inspected Before Raising or Lowering		Initial

LEGAL LAND DESCRIPTION									WIRE LINE RECORD			
									REEL No.			
LAST CUTTING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	FKB. TO CSG. HD.	SET AT	SIZE 28.6	No. LINES 8	METRES SLIPPED
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	1685	
										CUMULATIVE MEGAJOULES	94465	

METRES DRILLED		DR. D.				(FORCE) WT ON BIT		PUMP No. 1	PUMP No. 2	METHOD RUN		
FROM	TO	RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	daN	PUMP PRESS	LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SOL. S PANEL - P COMD - C
402	492	90		FUEL @ 0600 71658	70	1012	6100	152	105	152	105	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	432m	.2°							
	480m	.2°							

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00 ⁰⁰	03 ¹⁵	3.25	2	DRILL 311mm HOLE (Fr. 402-426m)	12hrs. #2
03 ¹⁵	03 ³⁰	.25	21	BOP DRILL + SAFETY MEETING HELD w/ CREW + TOOL PUSH	
03 ³⁰	04 ³⁰	1.00	2	DRILL 311mm HOLE (Fr. 426-435m)	
04 ³⁰	04 ⁴⁵	.25	7	RIG SERVICE	
04 ⁴⁵	05 ³⁰	.75	2	DRILL 311mm HOLE (Fr. 435-444m)	
05 ³⁰	06 ⁰⁰	.50	5/10	CIRC. + SURVEY @ 432m .2°	
06 ⁰⁰	10 ¹⁵	4.25	2	DRILL 311mm HOLE (Fr. 444-482m)	
10 ¹⁵	10 ³⁰	.25	21	SAFETY MEETING w/ CREW & TOOL PUSH	
10 ³⁰	11 ³⁰	1.0	2	DRILL 311mm HOLE (Fr. 482-492m)	12hrs. #2
11 ³⁰	12 ⁰⁰	.5	5/10	CIRC. & SURVEY @ 480m - .2°	

METRES DRILLED		DR. D. RML R	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO	CORE. C						LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL. S. HAR. E. P. COMD. - C
492	598	106			70	12	1000	152	105	152	105	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	535	.75°							

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12 ⁰⁰	12:45	.75	2	DRILL 311mm HOLE (FR. 492-502m)	12 hrs. # 2
1245	13 ⁰⁰	.25	7	RIG SERV. (FT HYDRIL FULLY CLOSED 32 sec)	
13 ⁰⁰	17 ³⁰	4.50	2	DRILL 311mm HOLE (FR 502 - 548m)	
17 ³⁰	18 ⁰⁰	.50	5/10	CIRC. & SURVEY @ 535m	
18 ⁰⁰	21 ⁰⁰	3.00	2	DRILL 311mm HOLE (FR. 548-576m)	
21 ⁰⁰	21 ¹⁵	.25	7	RIG SERVICE	
21 ¹⁵	24 ⁰⁰	2.75	2	DRILL 311mm HOLE (FR. 576-598m)	

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPB ²	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u>AB</u>	Initial <u>UR</u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial <u>UR</u>
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H.S. Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		REEL No. 3	
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE 28.6	No. LINES 8	METRES SLIPPED	
											METRES CUT OFF	PRESENT LENGTH	
											MEGAJOULES SINCE LAST CUT	1288	
											CUMULATIVE MEGAJOULES	94069	

METRES DRILLED		DR. D. RM. R.	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO	CORE. C						LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S PARCEL - P COMD - C
182	311	129		FUEL @ 0600 12 J23	70	10	4800	152	105	152	105	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	179m	.4°		283m	.75°				
	235	.3°							

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00 ⁰⁰	00 ³⁰	.50	3/10	CIRC. + SURVEY @ 179m = .1°	12 hrs. # 2
00 ³⁰	05 ⁰⁰	4.50	2	DRILL 311mm HOLE Fr. 182-247m	
05 ⁰⁰	05 ¹⁵	.25	7	RIG SERVICE + BOP DRILL w/ CREW	
05 ¹⁵	05 ⁴⁵	.50	3/10	CIRC. + SURVEY @ 235m = .3° (SAFETY MEETING)	
05 ⁴⁵	09 ⁴⁵	4.00	2	DRILL 311mm HOLE (Fr. 247-295m)	
09 ⁴⁵	10 ¹⁵	.50	5/10	CIRC + SURVEY @ 283m	
10 ¹⁵	11 ¹⁵	1.0	2	DRILL 311mm HOLE (FR. 295-304m)	
11 ¹⁵	11 ³⁰	.25	21	BOP DRILL + SAFETY MTG w/ TR's CREW	
11 ³⁰	12 ⁰⁰	.50	2	DRILL 311mm HOLE (FR 304-311m)	

METRES DRILLED		DR. D RM. R CORE :C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN SGL - S PAREL - P COMD - C
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
311	402	91			75	8	5400	152 105	152 105			
					REDUCED IN AND SPEED							

[illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12 ⁰⁰	15 ¹⁵	3.25	2	DRILL 311mm HOLE (FR. 311-342m)	12 hrs. # 2
15 ¹⁵	15 ⁴⁵	.50	5/10	CIRC. + SURVEY @ 330m	
15 ⁴⁵	16 ⁰⁰	.25	7	RIG SERV. (GREASE CROWN) DRILLER WALKAROUND	
16 ⁰⁰	21 ³⁰	5.50	2	DRILL 311mm HOLE (FR 342-388m)	
21 ³⁰	21 ⁴⁵	.25	7	RIG SERVICE	
21 ⁴⁵	22 ¹⁵	.50	5/10	CIRC. + SURVEY @ 376m	
22 ¹⁵	23 ¹⁵	1.00	2	DRILL 311mm HOLE (Fr. 388-398)	
23 ¹⁵	23 ³⁰	.25	22	SAFETY MEETING HELD w/CREW + TOOL PUSH	
23 ³⁰	24 ⁰⁰	.50	2	DRILL 311mm HOLE (Fr. 398-402m)	

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E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial 	Initial 	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H.S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		REEL No. 3
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE 28.6	No. LINES 8	METRES SLIPPED
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	810	
										CUMULATIVE MEGAJOULES	93591	

METRES DRILLED		DR. D RM. R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN SGL - S PAR'EL - P COM'D - C
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
				FUEL @ 0600 5445 L				152		152		
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00 ⁰⁰	04 ³⁰	4.30	2	HANDLE BHA - SAFETY MEETING, HELD w/CREW	12 hrs. # 2
04 ³⁰	04 ⁴⁵	.25	5	CIRCULATE (TAG PLUG @ 135.49m)	
04 ⁴⁵	07 ⁴⁵	3.00	15	PRESURE TEST, TIGHTEN FLANGES, CHANGE OUT STANDPIPE FITTING	
07 ⁴⁵	08 ⁰⁰	.25	7	RIG SERV.	
08 ⁰⁰	11 ⁰⁰	3.00	8	CHANGE BLEED OFF VALVE PUMP #1, REBUILD POP VALVE	
11 ⁰⁰	12 ⁰⁰	1.0	23	REBUILD WELD CASING FLANGE	

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min.	LINER SIZE	STROKES per min.	
149	182	33						152		152		SGL - S PAR. L - P COM'D - C
					REDUCED PUMP SPEED							

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12:00	12:30	.50	15	PRESSURE TEST DIVERTER	12 hrs. #2
12:30	13:30	1.00	14	TIGHTEN UP FLANGES ON STACK, ✓ HCR + DIVERTER LIN	
13:30	14:30	1.00	15	PRESSURE TEST DIVERTER. (1400 KPA LOW; 6500 KPA HIGH 10 min)	
14:30	14:45	.25	7	RIG SERV. (RECALIBRATE HOOK LOADS) WALKAROUND	
14:45	17:45	3.0	24	DRILL OUT CEMENT FLOAT & SHOE	
17:45	18:00	.25	5	CIRC & DISPLACE HOLE TO FRESH H ₂ O	
18:00	20:45	2.75	5	CIRC & COND MUD (MUD UP)	
20:45	21:15	.50	8	CHANGE OUT GASKETS ON PUMPS CLEAN SCREENS + BLEED OFF	
21:15	23:45	2.50	2	DRILL 311mm HOLE Fr. 150-182m	
23:45	24:00	.25	7	RIG SERVICE - BOP DRILL HELD w/ CREW	

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LEASE RANGER ETAL LITTLE BEAR	WELL No. M-39	WELL NUMBER 69°-49'-58"-129°	WATER DEPTH	DATE 980228
OPERATOR RANGER OIL LTD.	CONTRACTOR SHEHATAH DRILLING LTD		RIG No. 1E	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		
D.P. SIZE 114	kg/m 247	GRADE E	TOOL JT O.D. 156	TYPE THREAD 4 1/2 X H
STRING No. 232	PUMP No. 1	PUMP MANUFACTURER NATIONAL	TYPE 8-P-80	STROKE LENGTH 216
			2	NATIONAL 8-P-80 216

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	SIZE	BIT No.	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
1.	RIG UP AND TEAR DOWN			1	Bit Sub	1.51	444	0600	1210	0830	
2.	DRILL ACTUAL	1.25		1	STB RMR	2.61	ST				
3.	REAMING			1	D.C. ID	9.21	506H				
4.	CORING			1	STB RMR	4.92	JETS mm				
5.	CONDITION MUD & CIRCULATE	5.25		1	D.C. ID	6395	SER No.				
6.	TRIPS	.50		7	D.C. ID	1.07	DEPTH OUT				
7.	LUBRICATE RIG	.25		1	STB RMR	83.66	DEPTH IN				
8.	REPAIR RIG	3.75					TOTAL METRES DRILLED				
9.	CUT OFF DRILLING LINE			3	HWD P	27.58	TOTAL HRS. RUN				
10.	DEVIATION SURVEY	.25		1	STANDS DP	28.18	COND. 1/8" T/B GAGE				
11.	WIRE LINE LOGS				SINGLES DP		FLOW RATE m ³ /min				
12.	RUN CASING & CEMENT				KELLY DOWN	10.28	PRESSURE DROP kPa				
13.	WAIT ON CEMENT				TOTAL	149.70					
14.	NIPPLE UP B.O.P.				(FORCE) WT. OF STRING	30,000	daN				
15.	TEST B.O.P.				REMARKS						
16.	DRILL STEM TEST										
17.	PLUG BACK										
18.	SQUEEZE CEMENT										
19.	FISHING										
20.	DIR. WORK										
21.	WORK PUMP	.75									
22.	SAFETY MTG										
23.											

COMPLETION				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
A.	B.	C.	D.	E.	F.	G.	BIT	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT
							STB RMR	OD			
							D.C. ID	OD			
							STB RMR	OD			
							D.C. ID	OD			
							STB RMR	OD			
TOTALS											
DAY WORK TIME SUMMARY (OFFICE USE ONLY)											
HRS. W/CONTR. D.P.											
HRS. W/OPR. D.P.											
HRS. W/DP											
HRS. STANDBY											
TOTAL DAY WORK											
No. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS.											
TOTAL MUD COST											

E.R.C.B.	OPR.	R.M.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) H.S. Signs Posted (if required)	Initial	Initial	(3) Mast Inspected Before Raising or Lowering

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
										REEL No.			
										No. LINES			
										METRES SLIPPED			
										METRES CUT OFF			
										PRESENT LENGTH			
										MEGAJOULES SINCE LAST CUT			
										CUMULATIVE MEGAJOULES			

METRES DRILLED		DR. D	RM. R	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1	PUMP No. 2	METHOD RUN	
FROM	TO								LINE SIZE	STROKES per min	LINE SIZE	STROKES per min
143	149.7	6.7			FUEL @ 0600	130	4	6500	152	130	152	110
					60182							

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
		140m	.6°							

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000	0345	3.75	8	WORK ON SCR (DRAIN LINES + PUMPS)	12 hrs. #2
0345	0415	.50	5	BREAK CIRC. + CIRC. HOLE (CLEAN SCREENS / BLEED OFF)	
0415	0445	.50	21	✓ 8-P-80 CHANGE OUT GASKET #2 PUMP - CLEAN SCREENS	
0445	0515	.50	21	DRILL 444mm HOLE FR. 143-145	
0515	0545	.50	7/21	RIG SERVICE - CLEAN SCREENS / BLEED OFF PUMPS	
0545	0630	4.25	2	DRILL 444mm HOLE FR. 145-149.70m (T.O.)	
0630	0830	2.00	5	CIRC. + CONDITION HOLE	
0830	0845	.25	10	SURVEY @ 140m - .6°	
0845	11:30	2.75	5	CIRC + COND., PREPARE PREMIX TANK FOR BEAR ROCK	
11:30	12:00	.50	6	BLOW KELLY & P.O.O.H TO RUN SURF. CSG	

METRES DRILLED		DR. D	RM. R	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1	PUMP No. 2	METHOD RUN	
FROM	TO								LINE SIZE	STROKES per min	LINE SIZE	STROKES per min
					28 TONNES ARTIC BKT							
					8 m ³ OF GOOD CEMENT							

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12:00	14:00	2.00	6	P.O.O.H. LAY DOWN 3 DP, 2HW, JAPS, SHOCK SUB, BIT SUB, B	12 hrs. #2
14:00	14:15	.25	7	RIG SERV.	
14:15	18:15	4.00	23/12	SAFETY MTG/RIG TO + RUN SURF. CSG. + float	
18:15	18:30	.25	23	RIG OUT POWER TONGS + RIG TO CIRC. CSG	
18:30	20:15	1.75	5	CIRC CSG, RIG TO CIRC.	
20:15	22:15	2.00	12	CEMENT SURFACE CSG. w/ DOWEL (SAFETY MEETING HELD)	
22:15	24:00	1.75	13	WAIT ON CEMENT	



No.

REPORT No.

LEASE			WELL No.			WELL NUMBER			WATER DEPTH			DATE		
RANGER ETAL LITTLE BEAR			M-39			69°-49'-58"-129°						98 02 27		
OPERATOR						CONTRACTOR						Yr. Mo. Day		
RANGER OIL LTD						SHEHATA DRILLING LTD						RIG No.		
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG MANAGER						16		
D.P. SIZE		kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER			TYPE		STROKE LENGTH	
							1	NATIONAL			8-P-80		216	
							2	NATIONAL			8-P-80		216	

TIME DISTRIBUTION - HOURS		No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD					
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT		BIT No.		TIME			
1	RIG UP AND TEAR DOWN			1	BIT SUB 1.51	5	444	03 ⁰⁰	0500	0900	
2	DRILL ACTUAL	9.5	9.00	1	BIT SUB 2.61			DENSITY kg/m ³	1080	1140	1155
3	REAMING			1	BIT SUB 9.21			PRESSURE GRADIENT			
4	CORING			1	BIT SUB 9.21			VISCOSITY	46	42	48
5	CONDITION MUD & CIRCULATE	.50		1	BIT SUB 4.92			PV mPa.s	/	/	/
6	TRIPS		3.50	7	BIT SUB 13.07			YP Pa	/	/	/
7	LUBRICATE RIG	.25	.50	1	BIT SUB 1.07			GEL STR. Pa	/	/	/
8	REPAIR RIG		1.50					WATER LOSS cm ³			
9	CUT OFF DRILLING LINE							pH			
10	DEVIATION SURVEY	.50	.75	3	BHA 92.78			SOLIDS %			
11	WIRE LINE LOGS				HWDP 27.58						
12	RUN CASING & CEMENT				STANDS O P			MUD & CHEMICALS ADDED			
13	WAIT ON CEMENT				SINGLES DP			TYPE	AMT. kg	TYPE	AMT. kg
14	NIPPLE UP B.O.P.				KELLY DOWN 12.80			Gel	62 shs		
15	TEST B.O.P.				TOTAL 124.04			Deframer	2 pails		
16	DRILL STEM TEST				(FORCE) WT OF STRING 30,000 daN						
17	PLUG BACK			REMARKS HELD SAFETY MEETING w/ CREW RE: WORKING w/ LOADER							
18	SQUEEZE CEMENT			✓ DIVERTER HCR + HYDRILL + KILL LNS, ✓ BRAKE LINKAGE							
19	FISHING										
20	DIR. WORK										
21	SAFETY MEETING	.25	.25								
22	CHANGE OUT	1.0									
				DRILLER Mr. J. C. Borden							

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD							
COMPLETION	A. PERF. T/N	BIT		39	m	BIT No.	5	TIME	12:30	15:00	20:00				
	B. TBG TRIPS	1	B/S	1.51		SIZE	444	444	DENSITY	1180	1220	1210			
	C. TREATING	1	STB RMR	SS OD	2.61	m	MFG	ST	PRESSURE GRADIENT						
	D. SWABBING	1	CC ID	227 OD	9.21	m	TYPE	PG-3	SDGH	VISCOSITY	50	52	51		
	E. TESTING	1	STB RMR	JARS OD	4.92	m	JETS	mm	3x15.9	3x15.9	PV mPa.s	YP Pa	/	/	/
	F. ADDIT'N'L	7	CC ID	227 OD	63.95	m	SER. No.	V00BA	NC6304	GEL STR. Pa	/	/	/		
G.	1	STB RMR	BELL OD	1.07	m	DEPTH OUT	136		WATER LOSS	cm ³					
TOTALS						DEPTH IN	17	136	pH						
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						TOTAL METRES DRILLED	119	7	SOLIDS %						
HRS. W/ CONTR. D.P.		3	HWDP	27.58		TOTAL HRS. RUN	27.25	1.75	MUD & CHEMICALS ADDED						
HRS. W/ OPR. D.P.		1	STANDS DP	28.18	m	COND. 1/8" T/B GAGE	4-4	WT-ANT-E-E	TYPE	AMT. kg	TYPE	AMT. kg			
HRS. WO/ DP			SINGLES	DP		FLOW RATE	m ³ /min	/							
HRS. STANDBY			KELLY DOWN			PRESSURE DROP	kPa								
			TOTAL												
			(FORCE)												
			WT. OF STRING	30,000	daN										
TOTAL DAY WORK		REMARKS													
		✓ BRAKES, LINKAGE, CROWN SAVER, ✓ DIVERTER STACK & HOSES, ✓ HCR & KILL VALVES & ACCUM. RESET CROWN SAVER													
No. Of DAYS FROM SPUD		5													
CUMULATIVE ROTATING HRS		41													
TOTAL MUD COST		SAFETY TOPIC - RUNNING SURVEYS													
		DRILLER													

E.R.C.B.		OPR.		R.M.		R.M.	
(1) Daily Walk Around Inspection		Initial		Initial		(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial	
(2) Detailed Inspection-Weekly (using check list)		Initial		Initial		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month) Initial	
(3) H/S Signs Posted (if required)		Initial		Initial		(3) Mast Inspected Before Raising or Lowering Initial	

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		REEL No 3			
										SIZE 28.6		No LINES 8		METRES SLIPPED	
LAST CASING TUBING OR LINER										METRES CUT OFF		PRESENT LENGTH			
										MEGAJOULES SINCE LAST CUT		441			
										CUMULATIVE MEGAJOULES		93221			

METRES DRILLED				FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO	DR. D. RM R CORE C	CORE No.					LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
77	124	47		FUEL @ 00:00 9944	130	3/4	3700	152	130	152	110	
					REDUCED PUMP SPEED							
DEVIATION RECORD				DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
				92m	.4°	120m						
				111m	MISRUN							
TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS							
FROM	TO											
00:00	01:00	1.00	2	DRILL 444mm HOLE (Fr. 77m-87m) RAT HOLE CONNECTION	12 hrs. #2							
01:00	02:00	1.00	22	CHANGE OUT UNION ON SHOCK HOSE								
02:00	02:15	.25	7	SERVICE RIG (Fr. HGR + HYDRIL) DRILLERS WALK AROUND								
02:15	03:45	1.50	2	DRILL 444mm HOLE (Fr. 87-96m) RAT HOLE CONNECTION								
03:45	04:30	50/25	10/2	CIRC + SURVEY @ 92m - HELD SAFETY MEETING w/ CREW								
04:30	06:00	1.50	2	DRILL 444mm HOLE (Fr. 96-105m) RAT HOLE CONNECTION								
06:00	08:35	2.35	2	DRILL 444mm HOLE (Fr. 105-114m) RAT HOLE CONN.								
08:45	09:00	.25	10	SURVEY @ 111m - MISRUN								
09:00	11:45	2.45	2	DRILL 444mm HOLE (Fr. 114-124m)								
11:45	12:00	.25	5	CIRC. & CLEAN HOLE								

METRES DRILLED				FORMATION		ROTARY RPM	IFORCEI W/ ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO	DR. D RM R CORE C	CORE No	(SHOW CORE RECOVERY)	LINER SIZE				STROKES per min	LINER SIZE	STROKES per min		
124	143	19			130 3/4	6600	152	120	152	110			
						REDUCED PUMP SPEED							
DEVIATION RECORD		DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION			
		120m	.4°										
TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS				BOILER HOURS					
FROM	TO							12 hrs. # 2					
12:00	12:15	.25	10	SURVEY @ 120m - .4°									
12:15	12:30	.25	21	SAFETY MTG w/ CREW									
12:30	14:45	2.25	2	DRILL 444mm HOLE (FR 124 - 133m)									
14:45	15:00	.25	7	RIG SERV. (FT HYDRIL) DRILLERS WALKAROUND									
15:00	16:00	1.00	2	DRILL 444mm HOLE (FR 133 - 136m)									
16:00	17:45	1.75	6	BLOW KELLY + P.O.O.H TO ✓ BIT									
17:45	19:30	1.75	6	CHANGE BIT, STRAP, + R. I. H									
19:30	20:00	.50	23	WASH TO BITm Fr. 114 - 136m									
20:00	21:30	1.50	2	DRILL 444mm HOLE Fr. 136m - 142 RAT HOLE CONNECTION									
21:30	22:15	.75	7/10	RIG SERVICE - CIRC. + SURVEY (Mis-RUN)									
22:15	22:30	.25	2	DRILL 444mm HOLE									

DAILY DRILLING REPORT REPORT No.

E.R.C.B.		OPR.		R.M.						R.M.		
(1) Daily Walk Around Inspection	Initial _____		Initial _____		(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____						
(2) Detailed Inspection-Weekly (using check list)	Initial _____		Initial _____		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____						
(3) H.S Signs Posted (if required)	Initial _____		Initial _____		(3) Mast Inspected Before Raising or Lowering	Initial _____						
LEGAL LAND DESCRIPTION					WIRE LINE RECORD							
					REEL No. _____							
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RK8 TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

METRES DRILLED			CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO	DR. D. RM. R. CORE. C						LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
17	43	26		FUEL @ 0600	130	3/3	2500	152	130	152	105	P
					57321							
					REDUCED PUMP SPEED.							
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
		14m	1°		38m	1°						
		29m	0		53m	25°						
TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS							
FROM	TO											
00 ⁰⁰	00 ¹⁵	.25	7	RIG SERVICE								
00 ¹⁵	00 ³⁰	.25	21	RAT HOLE CONNECTION 9" D.C.								
00 ³⁰	00 ⁴⁵	.25	10	SURVEY @ 14m = 1°								
00 ⁴⁵	03 ⁴⁵	3.00	2	DRILL 444mm HOLE (Fr. 18-27m)								
03 ⁴⁵	04 ³⁰	.75	21	MAKE-UP JARS - FT. HCR + HYDRIL - BLOW DEGRASSER LINE								
04 ³⁰	05 ⁴⁵	1.25	2	DRILL 444mm HOLE (Fr. 27-32)								
05 ⁴⁵	07 ⁰⁵	1.50	22	INSTALL KELLY SPINNER & MAKE UP UPPER KELLY COCK								
07 ⁰⁵	07 ³⁰	.25	7	RIG SERV. (DRILLER WALKAROUND) BLOW DIVERTER LINE								
07 ³⁰	08 ³⁰	1.0	21	RAT HOLE CONN. - SURVEY BLOW KELLY & FIX FLOOR PLATE, & ACCUM. WATER								
08 ³⁰	09 ¹⁵	.75	2	DRILL 444mm HOLE & RECAL. HOOK LOAD ON PASON								
09 ¹⁵	09 ³⁰	.25	10	SURVEY @ 29m	09:30	10:45						
					TO	10:45						
					CUBE	2						
					DRILL 444mm HOLE							

METRES DRILLED				FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO	DR. O. AM. R. CORE C	CORE No					LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
43	77	34							130 3/4	2900	152	
						REDUCED PUMP SPEED						
DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION		
		73m	.2									
TIME LOG							BOILER HOURS					
FROM	TO	ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			12 hrs. # 2					
12:00	12:15	.25	23	SAFETY MTG. + B.O.P. DRILL w/CREW, DISCUSS DIVERSION PROC.								
12:15	12:30	.25	2	DRILL 444 mm HOLE (Fr. 48-								
12:30	13:15	.75	24	✓ SURFACE EQUIP FOR PRESS. LOSS, BLEED OFF PUMPS, COND AERATED MUD,								
13:15	15:00	1.75	2	DRILL 444 mm HOLE								
15:00	15:30	.50	21	RATHOLE CONN + RECAL. HOOKLOADS								
15:30	17:45	2.25	2	DRILL 444 mm HOLE (TO 59m)								
17:45	18:15	.25/.25	21/10	RATHOLE CONN. + SURV @ 55m								
18:15	19:45	1.50	7	RIG SERV (CHANGE OIL IN ROTARY TABLE + PUMP #2 POWER END)								
19:45	23:15	3.50	2	DRILL 444 mm HOLE (Fr. 59-77m)								
23:15	23:45	.50	10	SURVEY @ 73m + CIRC.								
23:45	24:00	.25	7	BIG SERVICE ET. HYP + HYDRIL								

OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT REPORT No.

LEASE RANGER ETAL LIME BEAR	WELL No. M-39	WELL NUMBER 69°-49'-58"-1290	WATER DEPTH	DATE 98 02 25 Yr. Mo. Day					
OPERATOR RANGER OIL LTD	CONTRACTOR SHEHTAH DRILLING LTD		RIG No. 15						
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER							
D.P. SIZE	kg/m	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	NATIONAL	8-P-80	216
						2	NATIONAL	8-P-80	216

TIME DISTRIBUTION - HOURS				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.		TIME					
1	RIG UP AND TEAR DOWN							DENSITY kg/m ³					
2	DRILL ACTUAL			STB RMR	OD	m	MFG.	PRESSURE GRADIENT					
3	REAMING			D.C. ID	OD	m	TYPE	VISCOSITY					
4	CORING			STB RMR	OD	m	JETS mm	PV mPa·s	YP Pa				
5	CONDITION MUD & CIRCULATE			D.C. ID	OD	m	SER. No.	GEL STR. Pa					
6	TRIPS			STB RMR	OD	m	DEPTH OUT	WATER LOSS cm ³					
7	LUBRICATE RIG	25	25				DEPTH IN	pH					
8	REPAIR RIG						TOTAL METRES DRILLED	SOLIDS %					
9	CUT OFF DRILLING LINE						TOTAL HRS. RUN						
10	DEVIATION SURVEY			STANDS DP	m	COND. 1/8" T/B/GAGE		MUD & CHEMICALS ADDED					
11	WIRE LINE LOGS			SINGLES DP	m	FLOW RATE m ³ /min		TYPE	AMT. kg	TYPE	AMT. kg		
12	RUN CASING & CEMENT			KELLY DOWN	m	PRESSURE DROP kPa							
13	WAIT ON CEMENT	2		TOTAL	m								
14	NIPPLE UP B.O.P.	5	200	(FORCE) WT. OF STRING	daN								
15	TEST B.O.P.			REMARKS									
16	DRILL STEM TEST			HELD SAFETY MEETING W/CREW + SAFETY MAN (SAFETY GLASSES)									
17	PLUG BACK			✓ BRAKES, LINKAGE, ROTARY, DRAWWORKS, CROWN SAVER									
18	SQUEEZE CEMENT			✓ ACCUMULATION N ₂ FILL CHARGE ALL GOOD									
19	FISHING			DRILLER Mark G. Simpson									
20	DIR. WORK												
21	CUT COND. WELD BOWL	4.75											
22	PREPARE TO DRILL OUT		225										
23	DRILL OUT		125										
24	PERF. RIG		50										
25	TRIP		25										
26	TREATING												
27	SWABBING		50										
28	TESTING												
29	ADDIT'L												
30													
TOTALS				12	12								
DAY WORK TIME SUMMARY (OFFICE USE ONLY)													
HRS. W/CONTR. D.P.													
HRS. W/OPR. D.P.													
HRS. WO/DP													
HRS. STANDBY													
TOTAL DAY WORK													
No. OF DAYS FROM SPUD													
CUMULATIVE ROTATING HRS													
TOTAL MUD COST													

No.				DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD					
				BIT	m	BIT No.		TIME					
								DENSITY kg/m ³					
				STB RMR	OD	m	MFG.	PRESSURE GRADIENT					
				D.C. ID	OD	m	TYPE	VISCOSITY					
				STB RMR	OD	m	JETS mm	PV mPa·s	YP Pa				
				D.C. ID	OD	m	SER. No.	GEL STR. Pa					
				STB RMR	OD	m	DEPTH OUT	WATER LOSS cm ³					
							DEPTH IN	pH					
							TOTAL METRES DRILLED	SOLIDS %					
				STANDS DP	m	COND. 1/8" T/B/GAGE		MUD & CHEMICALS ADDED					
				SINGLES DP	m	FLOW RATE m ³ /min		TYPE	AMT. kg	TYPE	AMT. kg		
				KELLY DOWN	m	PRESSURE DROP kPa							
				TOTAL	m								
				(FORCE) WT. OF STRING	daN								
REMARKS				SAFETY TOPIC - USING PROPER RATINGS OF SLINGS & SHACKLES									
				DRILLER Mark G. Simpson									

E.R.C.B.	OPR.	R.M.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial	Initial
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial	Initial
(3) H+S Signs Posted (if required)	Initial	Initial	Initial
(1) Rig Site Health and Safety Meeting (one meeting/crew/month)			Initial
(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)			Initial
(3) Mast Inspected Before Raising or Lowering			Initial

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL No.	
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD	SET AT	SIZE	No. LINES	METRES SLIPPED			
										METRES CUT OFF		PRESENT LENGTH		
										MEGAJOULES SINCE LAST CUT				
										CUMULATIVE MEGAJOULES				

METRES DRILLED		DR. D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	SGL. S PAR. EL. P COM. D. C.
FROM	TO			FUEL @ 48722									
REDUCED PUMP SPEED													

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS	
FROM	TO					12 hrs #2	
00:00	02:00	2.00	13	WAIT ON CEMENT			
02:00	06:45	4.75	21	CUT CONDUCTOR + WELD BOWL			
06:45	11:45	5.0	14	NIPPLE UP DIVERTER			
11:45	12:00	.25	7	RIG SERV.			

METRES DRILLED		DR. D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	SGL. S PAR. EL. P COM. D. C.
FROM	TO												
REDUCED PUMP SPEED													

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS	
FROM	TO					12 hrs #2	
12:00	19:00	7.0	14	NIPPLE UP DIVERTER			
19:00	19:15	.25	7	SERVICE RIG			
19:15	21:30	2.25	22	PREPARE TO DRILL OUT			
21:30	22:00	.50	24	MAKE-UP BHA			
22:00	22:15	.25	25	SAFETY MEETING HELD W/CREW + ENGINEER + BOP DRILL			
22:15	23:30	1.25	23	DRILL OUT CEMENT (TAG CEMENT @ 11m)			
23:30	24:00	.50	26	DISPLACE HOLE TO MUD			

FORM 276m

APPROVAL
PENDING

APPROVED Revised December 1986

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1977 JANUARY

OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H.S. Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL No.
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RK8 TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
										METRES CUT OFF	PRESENT LENGTH		
										MEGAJOULES SINCE LAST CUT			
										CUMULATIVE MEGAJOULES			

METRES DRILLED		DR. D RM. R CORE: C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
				FUEL 2 0600 6878 2	89%	1200	152	70	152	70		
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00 ⁰⁰	00 ¹⁵	.25	7	SERVICE RIG	12 hrs. #2
00 ¹⁵	01 ³⁰	1.25	2	DRILL 444mm HOLE	
01 ³⁰	01 ⁴⁵	.25	6	CHANGE OUT BIT TO 311mm HOLE	
01 ⁴⁵	05 ⁴⁵	4.00	2	DRILL 311mm HOLE (BOULWERS) PILOT HOLE	
05 ⁴⁵	06 ¹⁵	.50	6	CHANGE OUT Bit TO 444mm + Bit SUB	
06 ¹⁵	08 ⁰⁰	1.75	2	DRILL 444mm HOLE (REAM 311mm HOLE) 2-12m GRAVEL	
08 ⁰⁰	08 ¹⁵	.25	7	RIG SERV. (DRILLERS WALKAROUND)	
08 ¹⁵	08 ⁴⁵	.50	6	CHANGE BIT 444mm TO 660mm (WELD STRAPPING TO B/S)	
08 ⁴⁵	11 ³⁰	2.75	21	STRAP & WELD BIT TO BIT SUB	
11 ³⁰	12 ⁰⁰	.50	2	DRILL 660mm HOLE (REAM 444mm HOLE)	

METRES DRILLED		DR D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL S PAR'EL P COM'D C
	1'											
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12:00	13:00	1.0	2	DRILL 660 mm HOLE (REAM 444 mm HOLE) TO 17.7 m	12 hrs. #2
13:00	13:30	.50	5	CIRC & CLEAN HOLE, COND MUD	
13:30	14:30	1.0	6	BREAK OFF BIT & BHA, RACK KELLY (BLOW KELLY)	
14:30	16:15	1.75	22	TEAR OUT ROTARY TABLE	
16:15	16:45	.50	12	PICK UP & RUN CONDUCTOR GSG.	
16:45	18:00	1.25	22	REPLACE ROTARY TABLE	
18:00	20:30	2.50	12	RIG TO & CEMENT w/ DOWELL (HELD SAFETY MTG PRIOR TO)	
20:30	24:00	3.50	13	WAIT ON CEMENT	

DAILY DRILLING REPORT REPORT No.

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(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H.S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LAST ASING UBING T LINER	LEGAL LAND DESCRIPTION									WIRE LINE RECORD			REEL No.
	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											METRES CUT OFF	PRESENT LENGTH	
											MEGAJOULES SINCE LAST CUT		
											CUMULATIVE MEGAJOULES		

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min.	LINER SIZE	STROKES per min.	
						REDUCED PUMP SPEED						

[illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
					12 hrs. #2

00			1	SPOT CATWALK + PICK-UP V-DOOR + KELLY SOCK, SWIVE CIRCULATE WATER THROUGH RIG, + FILL MUD TANKS RIG-UP PASON PENLESS RECORDER + RIG RAT GAS DETECTOR HOOK-UP SHOCK HOSES + SAFETY CHAINS RIG-UP CELLER PUMPS, MIX PREMIX (35 vis) LEVEL SUB & SHIM UP SAME, PICK UP KELLY.
12:00	12.0			

[illegible][illegible]

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
					13 hrs. #2

00	14:00	2.0	1	CHECK MUD PUMPS, POP VALVES, BLEEDER VALVES, WORK W/ WELDER & ELECTRICIAN.
00	17:00	3.0	21	PICK-UP & MAKE-UP PILOT HOLE BHA-
00	17:15	.25	22	HOLD SAFETY MTG W/ TOOL PUSH (PRE - SPUD)
15	19:00	1.75	23	RIG INSPECTION W/ TOOLPUSH & CONSULTANT
00	19:15	.25	7	RIG SERVICE (DRILLERS WORKAROUND)
15	20:30	1.25	24	RIG TO SPUD
30	24:00	3.50	2	DRILL 444mm HOLE

KB To BBW 5.75

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR	R.M.		R.M.
(1) Daily Walk-Around Inspection	Initial	Initial	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial
(3) H ₂ S Signs Posted (if required)	Initial	Initial	(3) Mast Inspected Before Raising or Lowering	Initial

LEGAL LAND DESCRIPTION									WIRE LINE RECORD			REEL No.
	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No JOINTS	TOTAL LENGTH	RKB TO CSG HD.	SET AT	SIZE	No LINES	METRES SLIPPED
LAST USING JABBING LINER										METRES CUT OFF		PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
					12 HRS - #2

8:00		1	PUT UP PREFABS ON FLOOR, INSTALL PUMP SUCTIONS
	12:00		PUT STAIRS + PAD ON MUD TANKS

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
					12 HRS - #2

24:00	12.0	1	PUT PREFABS ON MUD TANKS, UNBRIDLE BLOCK RIG UP FLOOR, PICK UP TONGS, KELLY SPINNER PIPE SPINNER, SLIP, FLEW, BAILS & SUBS.
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DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR.	R.M.	R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial _____
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(3) H/S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering Initial _____

LEGAL LAND DESCRIPTION									WIRE LINE RECORD			REEL No.	
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											METRES CUT OFF		PRESENT LENGTH
											MEGAJOULES SINCE LAST CUT		
											CUMULATIVE MEGAJOULES		

METRES DRILLED		DR. D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL S PAR'EL P COM'D C
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

[illegible][illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
					12 HRS #2

12:00		1	CONT. STRING CORDS & PUT GEN #1 ONLINE, TURN ON SCR #1 & START DRAWWORKS, RIG TO RAISE DERRICK & RAISE DERRICK @ 17:15
22:00	10		RIG UP FLOOR & PREFAB FRAME, HOOK UP HYDRAULIC

DAILY DRILLING REPORT REPORT No.

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(3) H/S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering Initial _____

LEGAL LAND DESCRIPTION									WIRE LINE RECORD			REEL No.
	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
LAST USING TUBING LINER										METRES CUT OFF		PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

METRES DRILLED		DR. D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED						

[illegible]

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

00				SPOT TANKS, PUMP HOUSES, GEN. BUILDINGS BOILERS, CENTRIFUGE, Premix TANK, PIN SHAKER
22:00	10:00	1		PREPARE DERRICK FOR RAISING

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR.	R.M.		R.M.
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(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H ₂ S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
M-39 64° 50' 126° 15'										REEL No.			
OUTSIDE DIAMETER		INSIDE DIAMETER		MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
											METRES CUT OFF		PRESENT LENGTH
											MEGAJOULES SINCE LAST CUT.		
											CUMULATIVE MEGAJOULES		

[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

7:00				TRAVEL TO OLD LOC., TEAR SHAKER F/ MUD TANK
12:00	5.0	1		LOAD MATTING, LOAD SUB + DERRICK

METRES DRILLED		DR D RM R CORE C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS.	PUMP No		PUMP No		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min.	LINER SIZE	STROKES per min.	
						REDUCED PUMP PRESS.						

[illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

1:00		1	CONT. LOADING TRUCKS @ OLD LOC. 7
			2ND CREW TRAVELED TO NEW LOC 4
			SPOTTED SUB MATTING & UNLOADED TRUCKS
			1ST CREW REMAINED AT OLD LOC 4 SPLIT 4
20:00	8.0		LOADED DERRICK.

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR	R.M.		R.M.
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(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H.S. Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL No.
LAST TAPING CUBING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											METRES CUT OFF		PRESENT LENGTH
			838								MEGAJOULES SINCE LAST CUT		
											CUMULATIVE MEGAJOULES		

[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

700			1	TEAR OUT CAMP + LOAD OUT, MOVE TO NEW LOCATION + RIG-UP, SERVICE ALL MANUAL FIRES
-----	--	--	---	---

METRES DRILLED		DR. D. RM. R. CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	FORCE WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
					REDUCED PUMP SPEED							

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

2:00		1	SPOT MATTING, & SPOT CAMP SHACKS & RIG UP
2:00	9		CAMP.

1838

Feb 18 - Mar. 6/98

1
Tear out camp + load out, move to new
location + rig-up service will maintain fiber

NATIONAL ENERGY BOARD
ENGINEERING BRANCH
MAR 23 1998

90 up
Tear out camp + load out, move to new
location + rig-up service will maintain fiber

No.

DAILY DRILLING REPORT REPORT No.

LEASE		WELL No.		WELL NUMBER		WATER DEPTH		DATE	
RANGER ETAL W/LE BEAR		M-39		69°-49'-58"-129°				98 03 07	
OPERATOR		CONTRACTOR		RIG No		Yr. Mo. Day		1 E	
RANGER OIL LTD		SHEHTAH DRILLING LTD.		SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER			
J Byt									
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
114	24.7	E	156	4 1/2 X H	232	1	NATIONAL	8-P-80	216
						2	NATIONAL	8-P-80	216
TIME DISTRIBUTION - HOURS									
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
1	RIG UP AND TEAR DOWN			BIT		BIT No.		TIME	
2	DRILL ACTUAL					SIZE		DENSITY kg/m ³	
3	REAMING			STB RMR OD		MFG.		PRESSURE GRADIENT	
4	CORING			D.C. ID OD		TYPE		VISCOSITY	
5	CONDITION MUD & CIRCULATE	5.25		STB RMR OD		JETS mm		PV mPa.s YP Pa	
6	TRIPS			D.C. ID OD		SER No.		GEL STR. Pa	
7	LUBRICATE RIG	.25	.25	STB RMR OD		DEPTH OUT		WATER LOSS cm ³	
8	REPAIR RIG					DEPTH IN		pH	
9	CUT OFF DRILLING LINE					TOTAL METRES DRILLED		SOLIDS %	
10	DEVIATION SURVEY					TOTAL HRS. RUN			
11	WIRE LINE LOGS			STANDS DP		COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
12	RUN CASING & CEMENT	2.5		SINGLES DP		FLOW RATE m ³ /min		TYPE AMT. kg TYPE AMT. kg	
13	WAIT ON CEMENT	3.75	4.00	KELLY DOWN		PRESSURE DROP kPa			
14	NIPPLE UP B.O.P.		1.50	TOTAL					
15	TEST B.O.P.			(FORCE) WT. OF STRING daN					
16	DRILL STEM TEST			REMARKS					
17	PLUG BACK			✓ DIVERTER STACK, HCR + KILL LINE VALVES					
18	SQUEEZE CEMENT			✓ ACCUMULATOR GAUGES, ✓ BRAKE LINKAGE					
19	FISHING			AHEAD SAFETY MEETING RE: LOCK-OUT PROCEDURE (WORKING ON LIGHTS)					
20	DIR. WORK			SAFETY MEETING HELD W/CREW, ENGINEER, TOOL PUSH + DWELL CREW					
21	SAFETY MEETING	.25	.25	DRILLER					
22	COINTEGRATE		4.00	No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
23	COINTEGRATE		1.00	BIT		BIT No.		TIME	
24	COINTEGRATE		1.00			SIZE		DENSITY kg/m ³	
	B. TBG TRIPS			STB RMR OD		MFG.		PRESSURE GRADIENT	
	C. TREATING			D.C. ID OD		TYPE		VISCOSITY	
	D. SWABBING			STB RMR OD		JETS mm		PV mPa.s YP Pa	
	E. TESTING			D.C. ID OD		SER No.		GEL STR. Pa	
	F. ADDIT'N'L			STB RMR OD		DEPTH OUT		WATER LOSS cm ³	
	G.					DEPTH IN		pH	
	TOTALS	12	12			TOTAL METRES DRILLED		SOLIDS %	
	DAY WORK TIME SUMMARY (OFFICE USE ONLY)					TOTAL HRS. RUN		MUD & CHEMICALS ADDED	
	HRS. W/CONTR. D.P.			STANDS DP		COND. 1/8's T/B GAGE		TYPE AMT. kg TYPE AMT. kg	
	HRS. W/OPR. D.P.			SINGLES DP		FLOW RATE m ³ /min			
	HRS. WO/DP			KELLY DOWN		PRESSURE DROP kPa			
	HRS. STANDBY			TOTAL					
				(FORCE) WT. OF STRING daN					
	TOTAL DAY WORK			REMARKS					
	No. OF DAYS FROM SPUD	13		✓ BRAKES, LINKAGE, CROWN SAUER, BLEED OFF ACCUM.					
	CUMULATIVE ROTATING HRS.	83.75		SAFETY MTG W/CREW ON PICKING UP & LAYING DOWN B.O.P'S.					
	TOTAL MUD COST			DRILLER					

[illegible]

DAILY DRILLING REPORT REPORT No.

<u>F.R.C.B.</u>	<u>OPR</u>	<u>R.M.</u>	<u>R.M.</u>
(1) Daily Walk Around Inspection	Initial <u>[Signature]</u>	Initial <u>[Signature]</u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)
(2) Detailed Inspection-Weekly (using check list)	Initial <u>[Signature]</u>	Initial <u>[Signature]</u>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) H-S Signs Posted (if required)	Initial <u>[Signature]</u>	Initial <u>[Signature]</u>	(3) Mast Inspected Before Raising or Lowering

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL No.
	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE 286	No. LINES 8	METRES SLIPPED	
LAST ASING UBING LINER										METRES CUT OFF		PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	3210		
										CUMULATIVE MEGAJOULES	95991		

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
	602 T.D			FUEL @ 0600 12896				152		152		
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

23.		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD							
COMPLETION	A. PERF'RTN					BIT		m	BIT No.				TIME				
	B. TBG TRIPS								SIZE				DENSITY				
	C. TREATING												kg/m ³				
	D. SWABBING					STB RMR	OD	m	MFG.				PRESSURE				
	E. TESTING					D.C. ID	OD	m	TYPE				GRADIENT				
	F. ADDIT'NL					STB RMR	OD	m	JETS	mm				PV	YP		
G.					D.C. ID	OD	m	SER No.				mPa _s	Pa	/	/	/	
						STB RMR	OD	m	DEPTH OUT				GEL STR.	Pa	/	/	/
TOTALS									DEPTH IN				WATER LOSS	cm ³			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)													pH				
HRS. W/CONTR. D.P.									TOTAL METRES DRILLED				SOLIDS %				
HRS. W/OPR. D.P.									TOTAL HRS. RUN								
HRS. WO/DP						STANDS DP		m	COND. 1/8's T/B/GAGE				MUD & CHEMICALS ADDED				
HRS. STANDBY						SINGLES DP		m	FLOW RATE m ³ /min	/	/		TYPE	AMT. kg	TYPE	AMT. kg	
						KELLY DOWN		m	PRESSURE DROP kPa								
						TOTAL		m									
						(FORCE) WT. OF STRING		daN									
TOTAL DAY WORK						REMARKS ✓ BRAKES LINKAGE, CROWN SAVER, PRESSURED ACCUM. FT UPPER PIPE, BLIND & LOWER PIPE RAMS & HCR.											
No. OF DAYS FROM SPUD						14											
CUMULATIVE ROTATING HRS.						83.75											
TOTAL MUD COST						SAFETY MTG w/CREW ON HYDRAULIC LINES											
						DRILLER Sharon O'Brien											

[illegible][illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	1230	.50	7/21	RIG SERV. & SAFETY MEETING W/CREW	12 hrs. # 1+2
30			14	FINISH NIPPLE UP B.O.P. (CLOSE GATES, EXTEND BOP-HOS INTAKE BOUY LINE, MAIN SHACK, SWEEPLINE, DEGASSER LINES & FLARE REMOTE CHOK * DPPLINE)	
	23 ⁰⁰	10.50			
00	24 ⁰⁰	1.00	15	PRESURE TEST BLIND RAMS, INSIDE KILL LINE VALVE (TIGHTEN 16)	
				PRESSURE TEST AT 1400 KPA 10 min LOW PRESSURE 14000 KPA 10 min HIGH PRESSURE	

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial <u> <i>JS</i> </u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial <u> <i>JS</i> </u>
(3) H/S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.	3	
										SIZE	No. LINES	METRES SLIPPED
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	28.6	8	
										METRES CUT OFF		PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT	4731	
										CUMULATIVE MEGAJOULES	97511	

METRES DRILLED		DR. P RM. P CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN SGL - S PARCEL - P COMD - C
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
623	817	194		FUEL @ 0600 13756.1	79/5	5/6	5000	192	60	192	60	
				SHAKER SCREENS #1-3x175 #2-3/175								
						REDUCED PUMP SPEED	1400	192	58	WHIMO		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	675m	.9	72° 02'						
	735	1.0°	67° 42'						

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00 ⁰⁰	03 ¹⁵	3.25	2	DRILL 222 mm HOLE (Fr. 623-688)	12 hrs + 1+2
03 ¹⁵	03 ⁴⁵	.50	7/21	SERVICE RIG - FT. HYDRIL / HELD SAFETY MEETING w/CREW	
03 ⁴⁵	04 ¹⁵	.50	5/10	CIRC. + SURVEY @ 675m	
04 ¹⁵	04 ³⁰	.25	22	BOP DRILL HELD w/CREW	
04 ³⁰	07 ⁴⁵	3.25	2	DRILL 222 mm HOLE (Fr. 688 - 754m)	
07 ⁴⁵	08 ¹⁵	.50	5/10	CIRC. & SURVEY @ 735m	
08 ¹⁵	11 ⁰⁰	2.75	2	DRILL 222 mm HOLE (754 - 801m)	
11 ⁰⁰	11 ¹⁵	.25	7	RIG SERV (FT LOWER PIPE RAMS - CLOSE 7 SEC)	DRILLER WALKARUJND
11 ¹⁵	12 ⁰⁰	.75	2	DRILL 222 mm HOLE (FR. 801 - 817m)	

METRES DRILLED		DB - D RM - R CORE - C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S BAP'L - B COMD - C
817	962	145		Changed shaker #2 250 mesh	60	4 1/2	5000	152	60	152	60	
					REDUCED PUMP SPEED		1900			152	60	CHINA ROAD SUTHERLAND

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	801	.9°	77A2						
	872	1.0	67A2						

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12 ⁰⁰	12 ¹⁵	.25	2	DRILL 222 mm HOLE (FR. 817-820m)	12 hrs. # 1 + 2
12 ¹⁵	12 ⁴⁵	.50	5/10	CIRC & SURVEY @ 801m	
12 ⁴⁵	14 ¹⁵	1.50	2	DRILL 222 mm HOLE (FR. 820-848m)	
14 ¹⁵	14 ³⁰	.25	22	BOP DRILL & SAFETY MTG w/CREW	
14 ³⁰	16 ³⁰	2.0	2	DRILL 222 mm HOLE (FR. 848-886m)	
16 ³⁰	17 ⁰⁰	.50	5/10	CIRC & SURVEY @ 872m	
17 ⁰⁰	18 ¹⁵	1.25	2	DRILL 222 mm HOLE (FR. 886-904)	
18 ¹⁵	18 ³⁰	.25	22	BOP Drill Held w/ Crew well sec 95 sec	
18 ³⁰	19 ⁰⁰	.50	2	Drill 222mm Hole (Fr. 904 - 914)	
19 ⁰⁰	19 ³⁰	.50	34	Rig Service (Complete Rig inspection done by Driller)	ft Annular.
19 ³⁰	23 ⁰⁰	3.30	2	Drill 222mm hole (fr 914 - 959)	

TIME DISTRIBUTION - HOURS				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR					BIT No.				TIME			
1.	RIG UP AND TEAR DOWN			1	BIT	.28	m	BIT No.	2				00 ⁰⁰	4:00	
2.	DRILL ACTUAL	10	9.25	1	BIT SUB	.87		SIZE	222			DENSITY kg/m ³	1160	1110	
3.	REAMING			1	STB SHOCK RMR SUB	2.41	m	MFG.	DBS			PRESSURE GRADIENT			
4.	CORING			1	D.C. ID MODEL	9.05	m	TYPE	RM2745			VISCOSITY	35	40	
5.	CONDITION MUD & CIRCULATE	.50		1	STB RMR 170	9.21	m	JETS mm	7411			PV mPa.s	/	/	
6.	TRIPS			1	D.C. ID STAB	1.53	m	SER No.	5983670			GEL STR. Pa	/	/	
7.	LUBRICATE RIG	.50	.50	3	STB RMR 170	28.18	m	DEPTH OUT	080			WATER LOSS cm ³		9.5	
8.	REPAIR RIG			1	JARS	4.68		DEPTH IN	610			pH	8	8	
9.	CUT OFF DRILLING LINE			13	D.C. ID 210	119.92		TOTAL METRES DRILLED	207			SOLIDS %			
10.	DEVIATION SURVEY	.50	1.75	1	210	.43		TOTAL HRS. RUN	10.75						
11.	WIRE LINE LOGS				BHA	234.24		COND. 1/8" T.B/GAGE				MUD & CHEMICALS ADDED			
12.	RUN CASING & CEMENT			20	STANDS DP	563.63	m	FLOW RATE m ³ /min	14	/	/	TYPE	AMT. kg	TYPE	AMT. kg
13.	WAIT ON CEMENT			1	SINGLES DP	9.34	m	PRESSURE DROP kPa				Gel	22 stb		
14.	NIPPLE UP B.O.P.				KELLY DOWN	9.79	m					Byrad	3 stb		
15.	TEST B.O.P.				TOTAL	817.00	m					Hydramatic	2 stb		
16.	DRILL STEM TEST				(FORCE) WT. OF STRING	44,500	daN								
17.	PLUG BACK			REMARKS ✓ CROWN SAWER, ✓ BRAKE LINKAGE, ACCUMULATOR HOSES											
18.	SQUEEZE CEMENT			* ALL GAUGES, MANIFOLD VALVES, FT. HYDRIL, BOP DRILL W/CREW											
19.	FISHING														
20.	DIR. WORK														
21.	SAFETY MEETING	.25													
22.	BOP DRILL	.25	.50	HELD SAFETY MEETING W/CREW											
				DRILLER Mark G. Anderson											

COMPLETION		No.		DRILLING APPS (at end of tour)		BIT RECORD				MUD RECORD			
COMPLETION	A. PERF'TN			BIT	28	m	BIT No.	2		TIME	1830	2260	
	B. TBG TRIPS			1/1	B/S	1.98	SIZE	222		DENSITY	1160	1150	
	C. TREATING			1	STB RMR	2.41	m	MFG.	DBS	PRESSURE GRADIENT			
	D. SWABBING			1	D.C. ID	9.05	m	TYPE	FM3745	VISCOSITY	45	47	
	E. TESTING			1/1	STB RMR	2.41	m	JETS	7x11	PV mPa.s	/	/	/
	F. ADDIT'L			3	D.C. ID	170	OD	SER No.	5783670	GEL STR. Pa	/	/	/
G.			1	STB RMR	4.68	m	DEPTH OUT		WATER LOSS cm'	8.5	8.5		
TOTALS	12	12	13	D.C. 171	119.92		DEPTH IN	610		pH	8.6	8.5	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)				1/6	N/O	43.70	TOTAL METRES DRILLED	352		SOLIDS %			
HRS. W/CONTR. D.P.					BHA	234.24	TOTAL HRS. RUN	20		MUD & CHEMICALS ADDED			
HRS. W/OPR. D.P.				25	STANDS DP	704.03	COND. 1/8" T/B/GAGE			TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/DP				2	SINGLES DP	18.04	FLOW RATE m/min	1.4		Agua Pro 2.5x			
HRS. STANDBY					KELLY DOWN	489	PRESSURE DROP kPa			ADIC Gel 20x			
					TOTAL	962							
				(FORCE)	WT. OF STRING	48.000	daN						
TOTAL DAY WORK				REMARKS ✓ BRAKES & LINKAGE, CROWN SAVER, MANIFOLD VALVES, HCR & KILL VALVES, BOP STACK & NOSES, ACCUM. GAUGES									
No. OF DAYS FROM SPUD				CHANGE SCREENS ON SHAR #2 - 3x250									
CUMULATIVE ROTATING HRS.				Discussed BOP Procedures w/crew + Tool Push									
TOTAL MUD COST				DRILLER - [Signature]									



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OFFICIAL DAILY DRILLING REPORT FORM

Circle survey at 946m - m/s 58 cm
D. and 2.00 m/s (1.9 - 2.1 m/s)

No.

DAILY DRILLING REPORT REPORT No.

LEASE				WELL No.		WELL NUMBER		WATER DEPTH		DATE	
RANGER ETAL LITTLE BEAR				M-39		69°-49'-58"-129°				98 03 17	
OPERATOR						CONTRACTOR				RIG No.	
RANGER OIL LTD						SHEHTAH DRILLING LTD.				1E	
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG MANAGER					
											
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
114	24.7	F	156	4 1/2 x H		1	NATIONAL		8P80	216	
						2	NATIONAL		8P80	216	

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD				
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT		BIT No.				TIME				
1.	RIG UP AND TEAR DOWN			1/1	BYS/TELEDRIFT	.87	1.98	SIZE	222		DENSITY kg/m ³	1130	1125	1125
2.	DRILL ACTUAL	10.5	10	1	STB RMR SHOCK SUB OD	2.41	m	MFG.	DB5		PRESSURE GRADIENT			
3.	REAMING			1	D.C. ID MUDER OD	9.05	m	TYPE	FA2745		VISCOSITY	42	44	42
5.	CONDITION MUD & CIRCULATE	.75	1.25	1/1	STB RMR 170% SUB OD	9.21	1.53	JETS mm	7x11		PV mPa.s	/	/	/
6.	TRIPS			3	D.C. ID 170 OD	28.18	m	SER No.	5983670		GEL STR. Pa	/	/	/
7.	LUBRICATE RIG	.25	.25	1	STB RMR JAR OD	4.68	m	DEPTH OUT			WATER LOSS cm ³	8.0	8.0	8.0
8.	REPAIR RIG			13	R 171 OD	119.92		DEPTH IN	610		pH			8.0
9.	CUT OFF DRILLING LINE			1/1	X10/6 HWDP	.43	55.70	TOTAL METRES DRILLED	684		SOLIDS %	OVER	UNDER	
10.	DEVIATION SURVEY	.50	.50		BHA	234.24		TOTAL HRS. RUN	50.75		Cent.	1110	1560	
11.	WIRE LINE LOGS			37	STANDS DP	1048.78	m	COND. 1/8" T/B/GAGE			MUD & CHEMICALS ADDED			
12.	RUN CASING & CEMENT			1	SINGLES DP	9.78	m	FLOW RATE m ³ /min	1.4		TYPE	AMT. kg	TYPE	AMT. kg
13.	WAIT ON CEMENT				KELLY DOWN	7.20	m	PRESSURE DROP kPa			Gel	30 SK		
15.	TEST B.O.P.				TOTAL	1294	m				Lignite	1 SK		
16.	DRILL STEM TEST				(FORCE) WT. OF STRING	58000	daN				Aquapac	3 SK		
17.	PLUG BACK			REMARKS ✓ BRAKES, LINKAGE, CROWN SAVER, MAN. VALVES, BOP HOSES										
18.	SQUEEZE CEMENT			HCR & KILL LINE VALVES, ALL GAUGES & ACCUMULATOR										
19.	FISHING			FT REMOTE CHOKE.										
20.	DIR. WORK													
21.														
22.				SAFETY TOPIC PREPARE FOR THE UNEXPECTED DRILLER <i>Frederick D. [Signature]</i>										

COMPLETION			No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD				
A. PERF RTN B. TBG TRIPS C. TREATING D. SWABBING E. TESTING F. ADDITNL G.			BIT	128 m	BIT No.	2		TIME	1600	2000	2400
			SIZE	202	DENSITY	kg/m ³	1150	1125	1125		
			STB RMR	2.41 m	MFG.	DBS		PRESSURE GRADIENT			
			D.C. ID	9.05 m	TYPE	F1M2745		VISCOSITY	45	43	50
			STB RMR	9.21 m	JETS	mm	7x11	PV mPas	/	/	/
			D.C. ID	170 m	SER No.	5487670		GEL STR. Pa	/	/	/
			STB RMR	4.68 m	DEPTH OUT	080		WATER LOSS cm ³	8	9.0	8.5
TOTALS			12	12	DEPTH IN	610		pH	8		
DAY WORK TIME SUMMARY (OFFICE USE ONLY)			13	119.52	TOTAL METRES DRILLED	765		SOLIDS %			
HRS. W/CONTR. D.P.			1	1.3	TOTAL HRS. RUN	60.75		MUD & CHEMICALS ADDED			
HRS. W/OPR. D.P.			1	1.3	COND. 1/8's T/B GAGE			TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/DP			40	1127.71 m	FLOW RATE m ³ /min	1.4		Gel	304		
HRS. STANDBY			1	9.64 m	PRESSURE DROP kPa			Agarose	250		
				3.41 m				Ignite	250		
			TOTAL	137500 m							
			(FORCE) WT. OF STRING	62,000 daN							
TOTAL DAY WORK			REMARKS								
			Check Brakes, Linkages, Crown Saver, BOP's, HCR + Kill valves, Accumulator, choke manifold, all Gauges.								
			Safety Topic. Training new Rig hands.								
No. OF DAYS FROM SPUD			18								
CUMULATIVE ROTATING HRS.			145								
TOTAL MUD COST											

E.R.C.B.	OPR.	R.M.	R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C, Rig Safety Inspection Check List (one/rig/month) Initial _____
(3) H-S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL No. <u>3</u>
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE <u>28.6</u>	No. LINES <u>8</u>	METRES SLIPPED	
	<u>244.5</u>	<u>224</u>	<u>PRUD</u>	<u>53.1</u>	<u>J-55</u>	<u>46</u>	<u>602.6</u>		<u>602</u>	METRES CUT OFF		PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT		<u>6007</u>	
										CUMULATIVE MEGAJOULES		<u>98788</u>	

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN SGL - S PAR. P COMB - C
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
1200	1294	94		FUEL @ 0600 - 8884 CHINA	75	45	5900	152	60	152	60	
						REDUCED PUMP SPEED	1950			152	60	Route Change

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1243m	1.5°	74NE						

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
								LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S PART - P COMB - C
1294	1375	81			70	3/4	6500	152	60	152	60	Chimo
					Reduced		2800	152	60			Man. Shk.
					REDUCED PUMP SPEED		2300	152	60			Chimo

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1347m	1.1°	68 A2 NE						

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1200	1400	2.0	2	Drill 222 mm Hole (FR. 1294-1305)	12 HRS 42
1400	1430	.50	5	Circ up Samples	
1430	1645	2.25	2	Drill 222 mm Hole (FR. 1305-1327)	
1645	17:00	.25	7	Rig Service (Ft Annular (Dose 11 sec)) Drills well to About	
17:00	18:30	1.50	2	Drill 222 mm Hole (1327-1337)	
18:30	19:00	.50	5	Circ up Sample, + Flow ✓	
1900	22:15	3.25	2	DRILL 222 mm HOLE (FR 1337 - 1365m)	
22 15	23:00	.75	5/10	CIRC & WORK PIPE / SURVEY @ 1347m	
2300	24:00	1.00	2	DRILL 222 mm HOLE (FR 1365 - 1375m)	



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OFFICIAL DAILY DRILLING REPORT FORM

240

No.

DAILY DRILLING REPORT REPORT No.

LEASE			WELL No.			WELL NUMBER			WATER DEPTH			DATE		
RANGER ETAL LITTLE BEAR			M-39			69°-49'-58"-129°						98 03 13 Yr. Mo. Day		
OPERATOR						CONTRACTOR						RIG No.		
RANGER OIL LIMITED						SHEHTAH DRILLING LIMITED								
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG MANAGER								
D.P. SIZE		WPM	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER			TYPE		STROKE LENGTH	
114		24.7	E	156	4 1/2 KH		1	NATIONAL			8P80		216	
							2	NATIONAL			8P80		216	

TIME DISTRIBUTION - HOURS				No. DRILLING ACTIVITY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT		BIT No.				TIME			
1	RIG UP AND TEAR DOWN			V1	B5 TELEPORT	28	m	2			0400	0800	1200
2	DRILL ACTUAL	11	7.25	1	STB SHOCK RMR SUB OD	2.41	m	222			DENSITY kg/m ³	1120	1125
3	REAMING			1	D.C. ID MONEL OD	9.05	m	DBS			PRESSURE GRADIENT		
4	CORING			V1	STB 170 RMR STAB OD	9.21	m	FM2745			VISCOSITY	44	48
5	CONDITION MUD & CIRCULATE	25	1.75	3	D.C. ID 170 OD	28.18	m	JETS mm	7x11		PV mPas	YP Pa	
6	TRIPS		2.25	1	STB JAR OD	4.68	m	SER No.	5983760		GEL STR. Pa		
7	LUBRICATE RIG	25	25	13	DC 171	119.52	m	DEPTH OUT			WATER LOSS cm ³	9.0	8.0
8	REPAIR RIG			1/6	X% HWDP	43/55.70	m	DEPTH IN	610		pH		10
9	CUT OFF DRILLING LINE				BHA	234.24	m	TOTAL METRES DRILLED	883		SOLIDS %	Over	Under
10	DEVIATION SURVEY	50	50	44	STANDS DP	124024	m	TOTAL HRS. RUN	71.75		Cent.	1105	1830
11	WIRE LINE LOGS			1	SINGLES DP	9.25	m	COND. 1/8" T/B/GAGE			MUD & CHEMICALS ADDED		
12	RUN CASING & CEMENT				KELLY DOWN	9.27	m	FLOW RATE m ³ /min			TYPE	AMT. kg	TYPE
13	WAIT ON CEMENT				TOTAL	1493	m	PRESSURE DROP kPa			Gel	40 SX	
14	NIPPLE UP B.O.P.				(FORCE)						Aquapac	3 SX	
15	TEST B.O.P.				WT. OF STRING	63000	daN						
16	DRILL STEM TEST			REMARKS ✓ BRAKES, LINKAGE, CROWN SAWER, MAN. VALVES & GAUGES									
17	PLUG BACK			BOP - HOSES, KILL LINE & HCR VALVES, ACCUMULATOR									
18	SQUEEZE CEMENT			FT REMOTE CHOKE.									
19	FISHING												
20	DIR. WORK												
21													
22				SAFETY TOPIC MAINTENANCE OF OVERHEAD EQUIPMENT DRILLER J. W. A. [Signature]									

COMPLETION		No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERF'TN	1	BIT	28 m	BIT No.	2			TIME	1300		
B. TBG TRIPS		1	8 1/2" 1.48	SIZE	222			DENSITY	kg/m ³		
C. TREATING		1	STB RMR 241	OD	241	MFG.	DBS	PRESSURE	GRADIENT		
D. SWABING		1	D.C. ID 9.05	OD	9.05	TYPE	FM2745	VISCOSITY			
E. TESTING		1	STB RMR 9.21	OD	9.21	JETS	mm	PV mPa.s	YP Pa	/	/
F. ADDIT'L		3	D.C. ID 28.18	OD	28.18	SER No.	5983760	GEL STR. Pa	/	/	/
G.		1	STB RMR 4.66	OD	4.66	DEPTH OUT	1550	WATER LOSS cm ¹			
TOTALS	12 12	13	DC 171 119.52	DEPTH IN	610			pH			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)		1	8 53.20 53.20	TOTAL METRES DRILLED	940			SOLIDS %			
HRS. W/CONTR. D.P.			BHA 234.24	TOTAL HRS. RUN	79			MUD & CHEMICALS ADDED			
HRS. W/OPR. D.P.		46	STANDS DP 129730	COND. 1/8" T/B/GAGE				TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/DP		1	SINGLES DP 9.65	FLOW RATE m ³ /min	/	/		Gel	405X		
HRS. STANDBY			KELLY DOWN 8.81	PRESSURE DROP kPa				aqueous	45X		
			TOTAL 1550					Kelton	15X		
			(FORCE) WT. OF STRING 64000	daN							
TOTAL DAY WORK		REMARKS Held EVACUATION PROCEEDURES + FIRE DRILL w/ CAMP STAFF.									
No. OF DAYS FROM SPUD		✓ Brakes Linkages, Crown Saver, BOP's HCR, Millwrights									
CUMULATIVE ROTATING HRS.		Accumulator, Choke Man. Ft Remote choke									
TOTAL MUD COST		DRILLER Brian Cook									

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H/S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No	3	
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
244.5	224	PRND	53.1	T-55	46	602.6		602	28.6	8		
									METRES CUT OFF	PRESENT LENGTH		
									MEGAJOULES SINCE LAST CUT	6934		
									CUMULATIVE MEGAJOULES	99715		

METRES DRILLED		(DB, D) RM, R CORE, C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN SGL - S PARL - P COMD - C
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
75	149.3	11B		FUEL @ 0600 - 8597475	75	75	7980	152	60	152	60	
						REMARKS	2800			152	60	MAN. SHACK
					REDUCED PUMP SPEED		2100			152	60	CHIMO

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1441	1°	34NE						

[illegible]

METRES DRILLED		DR. D. RM. R. CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
								LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S PAREL - P COMD - C
493	1550	57			75	4 1/2	6100	152	60	152	60	
							2800	152	60			Man Shk
					REDUCED PUMP SPEED		7300			152	61	China

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1532	2.5°	78NEAz						

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OFFICIAL DAILY DRILLING REPORT FORM

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DAILY DRILLING REPORT REPORT No.

[illegible]

No.

DAILY DRILLING REPORT REPORT No.

LEASE RANGER ETAL LITTLE BEAR		WELL No. M-39		WELL NUMBER 69°-49'-58"-129°		WATER DEPTH		DATE 980315	
OPERATOR RANGER OIL LIMITED		CONTRACTOR SHEHTAH DRILLING LTD		RIG No. 1E					
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>[Signature]</i>							
D.P. SIZE 114	kg/m 24.7	GRADE E	TOOL JT. O.D. 114	TYPE THREAD 4 1/2 x H	STRING No. 232	PUMP No. 1	PUMP MANUFACTURER NATIONAL	TYPE 8P80	STROKE LENGTH 216
						2	NATIONAL	8P80	216

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	SIZE	BIT No.	TIME	DENSITY kg/m ³	PRESSURE GRADIENT
1.	RIG UP AND TEAR DOWN			1	8 1/2	25	10:00	1115	
2.	DRILL ACTUAL			5	STB RMR 171 OD	46.50			
3.	REAMING	3.25		1	D.C. ID 50 OD	4.68			
4.	CORING			12	STB RMR 171 OD	110.21			
5.	CONDITION MUD & CIRCULATE	2.25	2.25	1	D.C. ID 8 OD	43			
6.	TRIPS	3.25	4.25	6	STB RMR 171 OD	55.70			
7.	LUBRICATE RIG	2.25							
8.	REPAIR RIG								
9.	CUT OFF DRILLING LINE								
10.	DEVIATION SURVEY								
11.	WIRE LINE LOGS	4.5		47	STANDS DP	1325.70			
12.	RUN CASING & CEMENT				SINGLES DP				
13.	WAIT ON CEMENT				KELLY DOWN	5.66			
14.	NIPPLE UP B.O.P.				TOTAL	1550			
15.	TEST B.O.P.								
16.	DRILL STEM TEST	5.25			(FORCE) WT. OF STRING	64.000	daN		
17.	PLUG BACK			REMARKS: ✓ BRAKES + LINKAGE, CROWN SAVER, MAN. SHACK VALVES + GAUGES, HCR + KILL VALVES, ACCUMULATOR, FT REMOTE CHOKE.					
18.	SQUEEZE CEMENT			SAFETY DRILL MAKING UP TEST TOOL					
19.	FISHING			DRILLER: <i>[Signature]</i>					
20.	DIR. WORK								
21.									
22.									
23.									

COMPLETION				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
				BIT	SIZE	BIT No.	TIME	DENSITY kg/m ³	PRESSURE GRADIENT
A.	PERFRTN								
B.	TBG TRIPS								
C.	TREATING								
D.	SWABBING								
E.	TESTING								
F.	ADDITNL								
G.									
TOTALS		12	12						
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/CONTR. D.P.									
HRS. W/OPR. D.P.									
HRS. WO/DP									
HRS. STANDBY									
TOTAL DAY WORK									
No. OF DAYS FROM SPUD				75					
CUMULATIVE ROTATING HRS.									
TOTAL MUD COST									

E.R.C.B.

- (1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using check list)
(3) H.S. Signs Posted (if required)

OPR.

Initial _____
Initial _____
Initial _____

R.M.

- (1) Rig Site Health and Safety Meeting (one meeting/crow/month)
(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) Mast Inspected Before Raising or Lowering

R.M.

Initial _____
Initial _____
Initial _____

LEGAL LAND DESCRIPTION

WIRE LINE RECORD

REEL No. 3

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
	244.5	224	PRUD	53.1	J-55	46	602.6		602	28.6	8	
											METRES CUT OFF	PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT	1612	
										CUMULATIVE MEGAJOULES	103277	

METRES DRILLED

FROM	TO	DR. D. RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1 LINER SIZE	STROKES per min	PUMP No. 2 LINER SIZE	STROKES per min	METHOD RUN
1525	1550			FUEL @ 0600 128964595				5000	152 60	152 60		
										REDUCED PUMP SPEED	1703 152 60	Chimo

DEVIATION RECORD

TIME LOG	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
0000	04:30	4.50	11 LOG W/ SCHLUMBERGER	12 HRS - #2

0430	04:45	2.25	7 RIG SERV. (FT UPPER PIPE RAMS CLOSE 8 sec.)
0445	0830	3.85	6 MAKE UP BHA + R.I.H. TO 1525m
0830	1145	3.25	3 Ream Fr. 1525m - 1550m. (last 12 metres very hard)
1145	1200	2.25	5 Circ + Cond Mud.

METRES DRILLED

FROM	TO	DR. D. RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1 LINER SIZE	STROKES per min	PUMP No. 2 LINER SIZE	STROKES per min	METHOD RUN
										REDUCED PUMP SPEED	1750 152 60	Chimo

DEVIATION RECORD

TIME LOG	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
1200	14:15	2.25	5 Circ + Cond Mud	12 HRS - #2

14:15		4.25	8 Blow Pump P.I. Blow Kelly + P.O.D.H. Fr. 1550m. STRAP OUT
1830	1845	2.25	7 w/ Proper Flow AT. OB. 1472, 275 + BHA
1845	24:00	5.25	16 Rig Service Ft Blind Rams, Upper + Lower Pipes. Prepare Test Tools, MAKE UP TEST TOOL

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OFFICIAL DAILY DRILLING REPORT FORM

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No.

DAILY DRILLING REPORT REPORT No.

LEASE RANGER ETAL LITTLE BEAR		WELL No. M-39	WELL NUMBER 69°-49'-58"-129°		WATER DEPTH	DATE 98 03 16
OPERATOR RANGER OIL LIMITED		CONTRACTOR SHEHTAH DRILLING LIMITED		RIG No. 1E		
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER				
D.P. SIZE 114	kg/m 247	GRADE E	TOOL JT. O.D. 156	TYPE THREAD 4 1/2 x 1	STRING No. 232	PUMP No. 1
PUMP MANUFACTURER NATIONAL		TYPE 8P80		STROKE LENGTH 216		
PUMP No. 2		PUMP MANUFACTURER NATIONAL		TYPE 8P80		STROKE LENGTH 216

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
1	RIG UP AND TEAR DOWN			STB RMR	OD	178.59	4.5				
2	DRILL ACTUAL			D.C. ID	OD	74.20					
3	REAMING			STB RMR	OD						
4	CORING			D.C. ID	OD						
5	CONDITION MUD & CIRCULATE			STB RMR	OD						
6	TRIPS	4.0	4.50	D.C. ID	OD						
7	LUBRICATE RIG	2.5	2.5	STB RMR	OD						
8	REPAIR RIG										
9	CUT OFF DRILLING LINE										
10	DEVIATION SURVEY										
11	WIRE LINE LOGS										
12	RUN CASING & CEMENT			STANDS DP	1297.18						
13	WAIT ON CEMENT			SINGLES DP	9.22						
14	NIPPLE UP B.O.P.			KELLY DOWN	9.64						
15	TEST B.O.P.			TOTAL	1530						
16	DRILL STEM TEST	7.5	4.75	(FORCE) WT. OF STRING	60.000	daN					
17	PLUG BACK			REMARKS ✓ BRAKES + LINKAGE, MANIFOLD VALVES + GAUGES, BOP HOSES, HCR + KILL LINE VALVES, ACCUMULATOR, ✓ CROWN SAVER PRIOR TO R.I.H. - FT. REMOTE CHOKE.							
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21	Safety meeting	2.5									
22	WOO		2.50	SAFETY TOPK - PIPE SPINNER OPERATION DRILLER <i>Henry J. Peltier</i>							

COMPLETION				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
A. PERF'RTN	B. TBG TRIPS	C. TREATING	D. SWABBING	E. TESTING	F. ADDIT'NL	G.	BIT	m	BIT No.	SIZE	TIME
							STB RMR	OD			
							D.C. ID	OD			
							STB RMR	OD			
							D.C. ID	OD			
							STB RMR	OD			
TOTALS				12		12					
DAY WORK TIME SUMMARY (OFFICE USE ONLY)											
HRS. W/CONTR. D.P.											
HRS. W/OPR. D.P.											
HRS. WO/DP											
HRS. STANDBY											
TOTAL DAY WORK											
No. OF DAYS FROM SPUD				22							
CUMULATIVE ROTATING HRS.				167.5							
TOTAL MUD COST											
REMARKS				Check Brakes, linkages, Crown Saver, BOP's, Kill + HCR, Lines, Accumulator, Choke man. All Gauges. Safety meeting Plus BOP Drill held prior to D.S.T.							
DRILLER				<i>Brain Cook</i>							

LEGAL LAND DESCRIPTION		WIRE LINE RECORD		REEL No. 3	
LAST CASING TUBING OR LINER		OUTSIDE DIAMETER		INSIDE DIAMETER	
MAKE		kg/m		GRADE	
No. JOINTS		TOTAL LENGTH		RKB. TO CSG. HD.	
SET AT		SIZE		No. LINES	
METRES CUT OFF		PRESENT LENGTH		METRES SLIPPED	
MEGAJOULES SINCE LAST CUT		2719			
CUMULATIVE MEGAJOULES		104384			

METRES DRILLED		DR. D RM. R CORE. C		CORE No.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		(FORCE) WT. ON BIT daN		PUMP PRESS		PUMP No. 1		PUMP No. 2		METHOD RUN	
FROM	TO													LINER SIZE		STROKES per min		SGL - S PAPEL - P COMD - C	
1550	1550					FUEL @ 0600-10030.275								152		152			

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	

TIME LOG		ELAPSED TIME		CODE No.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS	
FROM	TO								

00:00	00:15	2.5	7	RIG SERV.					
00:15	03:45	3.50	16	CONT. MAKE-UP TEST TOOL					
03:45	07:45	4.0	6	R.I.H. w/ D.S.T. #1					
07:45	10:15	2.5	16	Makeup test Head + manifold + check studs work on head					
10:15	10:30	1.25	21	Pre. D.S.T. Safety meeting held; BOP. Drill.					
10:30	11:30	1.0	16	D.S.T., open tool, 15 min, close 30 min. Test #1					
11:30	12:00	1.50	16	D.S.T., open tool, 1 hour, close 2 hours Test #2					

METRES DRILLED		DR. D RM. R CORE. C		CORE No.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		(FORCE) WT. ON BIT daN		PUMP PRESS		PUMP No. 1		PUMP No. 2		METHOD RUN	
FROM	TO													LINER SIZE		STROKES per min		SGL - S PAPEL - P COMD - C	
														152		152			

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	

TIME LOG		ELAPSED TIME		CODE No.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS	
FROM	TO								

12:00	14:30	2.5	16	Finish D.S.T. Test #2					
14:30	15:15	1.75	16	Lay out head, manifold, free packers					
15:15	19:45	4.50	6	P.O.O.H. TEST TOOLS + Assembly w/ Flow 08, 1472 725, BHT					
19:45	20:30	1.75	16	HANDLE TEST TOOL, RETRIEVE RECORDERS					
20:30	20:45	1.25	7	RIG SERV.					
20:45	21:30	1.75	16	W.O.O. BREAK DOWN TEST TOOL FOR SERVICE/RETRIEVE RECORDERS					
21:30	24:00	2.50	22	W.O.O.					

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OFFICIAL DAILY DRILLING REPORT FORM

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DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial 	Initial 	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial 	Initial 	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H-S Signs Posted (if required)	Initial 	Initial 	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No. 3		
										SIZE	No. LINES	METRES SLIPPED
LAST CASING TUBING OR LINER.	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	20.6	8	
	244.5	224	PRUD	52.1	J55	46	60260		602	METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	4202	
										CUMULATIVE MEGAJOULES	105866	

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
	1550 TO			FUEL @ 0600 10317	Circ		5600	152	60	152	60	
				FUEL USED 2579			2800	152	60			man Sht
					REDUCED PUMP SPEED		2150	152	60			Chimo

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

23.			No.	DRILLING ASSEMBLY (at end of tour)	BIT RECORD							MUD RECORD			
COMPLETION	A. PERF'RTN				BIT		m	BIT No.			TIME	1245			
	B.TBG TRIPS							SIZE			DENSITY kg/m ³	1.135			
	C.TREATING				STB RMR	OD	m	MFG.			PRESSURE GRADIENT				
	D.SWABING				D.C. ID	OD	m	TYPE			VISCOSITY	95			
	E.TESTING				STB RMR	OD	m	JETS mm				PV mPas	/	/	/
	F.ADDIT'L				D.C. ID	OD	m	SER No.			GEL STR. Pa	/	/	/	
G.				STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³					
TOTALS		12 12						DEPTH IN			pH	9			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)								TOTAL METRES DRILLED			SOLIDS %				
HRS. W/CONTR. D.P.								TOTAL HRS. RUN			MUD & CHEMICALS ADDED				
HRS. W/OPR. D.P.											TYPE	AMT. kg	TYPE	AMT. kg	
HRS. WO/DP					STANDS DP		m	COND. 1/8's T/B/GAGE							
HRS. STANDBY					SINGLES DP		m	FLOW RATE m ³ /min	/	/	Barite	15 sks			
					KELLY DOWN		m	PRESSURE DROP kPa							
					TOTAL		m								
					(FORCE) WT. OF STRING		daN								
TOTAL DAY WORK			REMARKS Check Brakes linkages, Crown Saver, BOP'S, Kill HCR Valves, MAN Shack Accumulator All Gages, Grease Blocks.												
No. OF DAYS FROM SPUD															
CUMULATIVE ROTATING HRS.															
TOTAL MUD COST			DRILLER												

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
								LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S PAREL - P COWD - C
				Trip out of hole mud.								
				Calculated 8.15								
				Measured 8.20 diff. 55	REDUCED PUMP SPEED							

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1200	1300	1.0	5	Circ + Clean Hole	12 HRS. #2
1300	1815	5.25	6	Pump Pill. Blow Kelly, Lay out DP. w/ Flow V at OB, 1472, 775, BHA.	
1815				Pickup Kelly Break down, Take off Kelly spinner, Kelly hose	
	2030	2.25	21	Lay out Kelly + Swivel. Bushings.	
2030	2245	2.25	6	Lay down HWDP, DC	
2245	2300	.25	7	Rig Service Ft Blind Rams, Lower + upper P. pos.	
2300	2400	1.00	12	Take protectors off CSG, + STRAP. Rig up to Run CSG	

DAILY DRILLING REPORT REPORT No.

F.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u>[Signature]</u>	Initial <u>[Signature]</u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial <u>[Signature]</u>	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H-S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
69-49-58-129										REEL No.		
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
									986	8		
									METRES CUT OFF		PRESENT LENGTH	
177.8	161.7	IP	342	155A	119	1551.67	100	1550.	MEGA JOULES SINCE LAST CUT		6329	
									CUMULATIVE MEGA JOULES		106994	

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
				FUEL @ 6100 7957								
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	0015	:25	5	Circ Casing to Condition Hole	12 HRS. #2
15	0030	:25	91	SAFETY MEETING, DOWELL & SHEHTAH	
30	0300	2:50	92	Cement Casing Plugdown @ 0300	
00	0700	400	1	Rig out Flowline HCR & line check valves to Set Csg Slips	
00	0715	:25	22	Set Slips, w/ 35000 lb INTRFACE WERE MADE.	
15	1200	4:75		Cut Csg. Lay out BOP's, Break out HCR Line, man. shad.	
			1	Lings, work on mud Tanks.	
CEMENT 20 TONNES RFC 1% 1330, 3% 1371					
PUMP DOWN 98-03-19, 02:45, 2% 1046.					

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00				Rig out floor. Prefabs, Pipe Racks, Suction lines. Clean up lease, Work on Shakers, Mud Tanks, Bridle up Derrick. Clean Mud Pumps, Prepare To lay over Derrick, work on Power cords, Rig out Boiler, Steam lines, water lines. Shock hoses, Lights, Rig out mud tanks, stairways. V Door, CAT walk. Drained Pumps, Antifreeze added	12 HRS #2
2400	12	1		Rig Released 1800 HR 98-03-19.	

No.

DAILY DRILLING REPORT REPORT No.

LEASE <i>Ranger Ekt Little Bear</i>	WELL No. <i>M-39</i>	WELL NUMBER <i>69-49-5B-129</i>	WATER DEPTH	DATE <i>980320</i> Yr. Mo. Day					
OPERATOR <i>Ranger Oil</i>	CONTRACTOR <i>Sheehan Drilling</i>		RIG No. <i>1E</i>						
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>[Signature]</i>							
D.P. SIZE	kg/m	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						<i>1</i>	<i>National</i>	<i>8P80</i>	<i>216</i>
						<i>2</i>	<i>National</i>	<i>8P80</i>	<i>216</i>

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
1.	RIG UP AND TEAR DOWN	<i>5</i>	<i>10</i>								
2.	DRILL ACTUAL			STB RMR	OD	m	MFG.				
3.	REAMING			D.C. ID	OD	m	TYPE				
4.	CORING			STB RMR	OD	m	JETS mm		PV mPas	YP Pa	
5.	CONDITION MUD & CIRCULATE			D.C. ID	OD	m	SER No.		GEL STR. Pa		
6.	TRIPS			STB RMR	OD	m	DEPTH OUT		WATER LOSS cm ³		
7.	LUBRICATE RIG						DEPTH IN		pH		
8.	REPAIR RIG						TOTAL METRES DRILLED		SOLIDS %		
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN				
10.	DEVIATION SURVEY										
11.	WIRE LINE LOGS			STANDS DP	m	COND. 1/8" T/B/GAGE					
12.	RUN CASING & CEMENT			SINGLES DP	m	FLOW RATE m ³ /min					
13.	WAIT ON CEMENT			KELLY DOWN	m	PRESSURE DROP kPa					
14.	NIPPLE UP B.O.P.			TOTAL	m						
15.	TEST B.O.P.			(FORCE) WT. OF STRING	daN						
16.	DRILL STEM TEST			REMARKS							
17.	PLUG BACK										
18.	SQUEEZE CEMENT										
19.	FISHING										
20.	DIR. WORK										
21.											
22.											
23.											

COMPLETION				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD				
A. PERF'TN	B. TBG TRIPS	C. TREATING	D. SWABBING	E. TESTING	F. ADDIT'N'L	G.	BIT	m	BIT No.	SIZE	TIME	
							STB RMR	OD	m	MFG.	DENSITY kg/m ³	
							D.C. ID	OD	m	TYPE	PRESSURE GRADIENT	
							STB RMR	OD	m	JETS mm	VISCOSITY	
							D.C. ID	OD	m	SER No.	PV mPas	
							STB RMR	OD	m	DEPTH OUT	YP Pa	
										DEPTH IN	GEL STR. Pa	
										TOTAL METRES DRILLED	WATER LOSS cm ³	
										TOTAL HRS. RUN	pH	
							STANDS DP	m	COND. 1/8" T/B/GAGE		SOLIDS %	
							SINGLES DP	m	FLOW RATE m ³ /min			
							KELLY DOWN	m	PRESSURE DROP kPa			
							TOTAL	m				
							(FORCE) WT. OF STRING	daN				
TOTALS				<i>5</i>	<i>10</i>		REMARKS <i>INSPECTED 51 JTS D.P. 47 BENT 1- REFACE.</i>					
DAY WORK TIME SUMMARY (OFFICE USE ONLY)												
HRS. W/CONTR. D.P.												
HRS. W/OPR. D.P.												
HRS. W/DP												
HRS. STANDBY												
TOTAL DAY WORK												
No. OF DAYS FROM SPUD												
CUMULATIVE ROTATING HRS.												
TOTAL MUD COST												

DRILLER *Brian Goch*

E.R.C.B.	OPR.	R.M.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial	Initial
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial	Initial
(3) H-S Signs Posted (if required)	Initial	Initial	Initial
(1) Rig Site Health and Safety Meeting (one meeting/crew/month)		Initial	
(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)		Initial	
(3) Mast Inspected Before Raising or Lowering		Initial	

LEGAL LAND DESCRIPTION <i>69-49-5B-129</i>										WIRE LINE RECORD		REEL No.	
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
										<i>28.6</i>	<i>8</i>		
										METRES CUT OFF	PRESENT LENGTH		
										MEGAJOULES SINCE LAST CUT	<i>5329</i>		
										CUMULATIVE MEGAJOULES	<i>106994</i>		

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN
FROM	TO												SGL - S PAREL - P COM'D - C

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS
FROM	TO					
<i>0700</i>				<i>Work on Power Cords, Water Line, Steam Lines. Rig out Mud Tank + Remove. Prepare Derrick for Laying over, Lay Derrick over Unspool Blocks. Remove Gen #1, Gen #2, Gen #3 + SCR Building. Tear out Hydraulics. Remove Matting. Load Trucks. General Clean up.</i>		
<i>1200</i>						

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)		ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	PUMP No. STROKES per min	PUMP No. LINER SIZE	PUMP No. STROKES per min	METHOD RUN
													SGL - S PAREL - P COM'D - C

DEVIATION RECORD		DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS
FROM	TO					
<i>2000</i>				<i>Removed Dog house, Stairways, water Tank. Pump house #1 Pump house #2 Remove Derrick from Sub. Split Derrick. Load on Trucks. Load matting. Split Sub + Remove. Clean Lease, Load Trucks.</i>		
<i>2200</i>						



DAILY DRILLING REPORT REPORT No.

E.R.C.B.		OPR.		R.M.		R.M.						
(1) Daily Walk Around Inspection		Initial _____		Initial _____		(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial _____						
(2) Detailed Inspection-Weekly (using check list)		Initial _____		Initial _____		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month) Initial _____						
(3) H/S Signs Posted (if required)		Initial _____		Initial _____		(3) Mast Inspected Before Raising or Lowering Initial _____						
LEGAL LAND DESCRIPTION					WIRE LINE RECORD							
69-49-58-129					REEL No.							
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

[illegible][illegible][illegible]

DAILY DRILLING REPORT REPORT No.

<u>E.R.C.B.</u>	<u>OPR.</u>	<u>R.M.</u>	<u>R.M.</u>
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month) Initial _____
(3) H-S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering Initial _____

LEGAL LAND DESCRIPTION									WIRE LINE RECORD		
									REEL No.		
									SIZE	No. LINES	METRES SLIPPED
LAST USING BIBING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m.	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	METRES CUT OFF	PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT	
										CUMULATIVE MEGAJOULES	

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
START	STOP				

[illegible][illegible][illegible]

TIME LOG		ELAPSED TIME	PERSON	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
----------	--	-----------------	--------	---	--------------

FROM	TO	TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
00				TEAR OUT Remaining Camp SECTIONS & Light Plant.
				CAMP. SHUT DOWN 01200 Hrs.
				98-03-22.
				ALL Rig LOADED OUT
				Found Camp units on location
				1- LOADER.

No.

DAILY DRILLING REPORT REPORT No.

LEASE				WELL No.		WELL NUMBER		WATER DEPTH		DATE 9/03/23	
OPERATOR Kaiser						CONTRACTOR SHEATH Drilling				RIG No.	
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG-MANAGER (Cale Saville)					
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE		STROKE LENGTH

TIME DISTRIBUTION - HOURS				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD								MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR					BIT No.						TIME					
1.	RIG UP AND TEAR DOWN				BIT		m							DENSITY kg/m ³					
2.	DRILL ACTUAL							SIZE						PRESSURE GRADIENT					
3.	REAMING				STB RMR	OD	m	MFG.						VISCOSITY					
4.	CORING				D.C. ID	OD	m	TYPE											
5.	CONDITION MUD & CIRCULATE				STB RMR	OD	m	JETS	mm					PV mPa*s	YP Pa	/	/		
6.	TRIPS				D.C. ID	OD	m	SER No.						GEL STR. Pa	/	/	/		
7.	LUBRICATE RIG				STB RMR	OD	m	DEPTH OUT						WATER LOSS cm ³					
8.	REPAIR RIG							DEPTH IN						pH					
9.	CUT OFF DRILLING LINE							TOTAL METRES DRILLED						SOLIDS %					
10.	DEVIATION SURVEY							TOTAL HRS. RUN											
11.	WIRE LINE LOGS				STANDS DP		m	COND. 1/8's T/B/GAGE						MUD & CHEMICALS ADDED					
12.	RUN CASING & CEMENT				SINGLES	DP	m	FLOW RATE m ³ /min		/		/		TYPE	AMT. kg	TYPE	AMT. kg		
13.	WAIT ON CEMENT				KELLY DOWN		m	PRESSURE DROP kPa											
14.	NIPPLE UP B.O.P.				TOTAL		m												
15.	TEST B.O.P.				(FORCE) WT. OF STRING		daN												
16.	DRILL STEM TEST				REMARKS														
17.	PLUG BACK																		
18.	SQUEEZE CEMENT																		
19.	FISHING																		
20.	DIR. WORK																		
21.																			
22.					DRILLER														

FIRST TOUR

COMPLETION		No. DRILLING ASSEMBLY (at end of tour)			BIT RECORD					MUD RECORD									
A. PERF'RTN	B. TBG TRIPS	C. TREATING	D. SWABBING	E. TESTING	F. ADDIT'NL	G.	BIT	m	BIT No.				TIME						
							SIZE				DENSITY kg/m ³								
							STB RMR	OD	m	MFG.				PRESSURE GRADIENT					
							D.C. ID	OD	m	TYPE				VISCOSITY					
							STB RMR	OD	m	JETS mm					PV mPa·s	YP Pa	/	/	/
							D.C. ID	OD	m	SER No.				GEL STR. Pa	/	/	/		
							STB RMR	OD	m	DEPTH OUT				WATER LOSS cm ³					
TOTALS								DEPTH IN				pH							
DAY WORK TIME SUMMARY (OFFICE USE ONLY)								TOTAL METRES DRILLED				SOLIDS %							
HRS. W/CONTR. D.P.								TOTAL HRS. RUN				MUD & CHEMICALS ADDED							
HRS. W/OPR. D.P.								COND. 1/8's T/B GAGE				TYPE	AMT. kg	TYPE	AMT. kg				
HRS. WO/DP								STANDS DP	m	FLOW RATE m ³ /min	/	/							
HRS. STANDBY								SINGLES DP	m	PRESSURE DROP kPa									
								KELLY DOWN	m										
								TOTAL	m										
								(FORCE) WT. OF STRING	daN										
TOTAL DAY WORK						REMARKS													
No. OF DAYS FROM SPUD																			
CUMULATIVE ROTATING HRS.																			
TOTAL MUD COST						DRILLER													

E.R.C.B.	OPR.	R.M.	R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month) Initial _____
(3) H-S Signs Posted (If required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.		
										SIZE	No. LINES	METRES SLIPPED
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	METRES CUT OFF		PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0900	1800	5		REPALET WT MATERIAL FOR RANGER. SP - REPAIR, RELET WITH ALKALIC, VINTAGE 80	
1300	1800	5		SHORT OUT DRIVE PIPE, 1000 3000 X 1000 AFTER INSPECTION, PUT LOADER + TRUCK IN 80 65 Hrs. - P nmf	
				initial 2 mif 50	
				nmf	

[illegible]

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

[illegible]

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PENDING



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OFFICIAL DAILY DRILLING REPORT FORM



Horizontal Line with

1836
Mon 7-Mar-22/98

CC. Dr. Sarkis

Handwritten signature