

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 SING BING 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						(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN	
FROM	TO	D.R., D. R.M. R CORE .C	CORE No.	FORMATION (SHOW CORE RECOVERY)				ROTARY RPM	LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S. PAR'EL - P COM'D - C
			</										

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
				LOAD OUT RIG & CAMP	0
				EXCELLENT JOB.	
				(LEASE CLEANED UP OF ALL DEBRI)	
				MONITOR WELL OF WATER FLOW, NO WATER.	
				CEMENT JOB GOOD, VALVE ON CAP GROUND	
				CSG. & CONDUCTION, CLOSED	
				W. H. Carter	

[illegible][illegible]

note m 23
1-22/98
mon

(Hose cleaned up of all debris)
Monitor well of water flow, no water
Cement top good, valve on top closed
GSA & Conductor closed
J. J. [Signature]

Back 815 1/2 in granite point

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.
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 SGL - S PAR EL - P COM'D - C
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				

[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				

08:00	20:00	12	1	Rig out Rig.
				Completed with SAMP-EL STORF. Gt3.
				CALC 2. TO STOP WATER FLOW BETWEEN 13 ⁵⁰ & 15 ⁰⁰
				a CURD C.S.G. WELDED PLATE ON WITH 2"
				VALVE.



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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT REPORT No.

LEASE		WELL No.		WELL NUMBER		WATER DEPTH		DATE	
PARAMOUNT FTAL NETLA		2449 B		LAT 60 50 LONG 123 00				98 03 20	
OPERATOR				CONTRACTOR				Yr. Mo. Day	
PARAMOUNT RESOURCES				NABORS DRILLING LIMITED				16	
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S RIG MANAGER					
BOOMER E. ...				[Signature]					
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	Ensco	11000	254
						2	Ensco	11000	254

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						SIZE				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						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"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'TN			BIT	m	BIT No.					TIME				
B. TBG TRIPS					SIZE					DENSITY kg/m ³				
C. TREATING			STB RMP	OD m	MFG.					PRESSURE GRADIENT				
D. SWABBING			D.C. ID	OD m	TYPE					VISCOSITY				
E. TESTING			STB RMP	OD m	JETS mm					PV mPa.s YP Pa	/	/	/	
F. ADDIT'NL			D.C. ID	OD m	SER No.					GEL STR. Pa	/	/	/	
G.			STB RMP	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									
HRS. W/OPR. D.P.														
HRS. WO/DP			STANDS DP	m	COND. 1/S'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											
No. OF DAYS FROM SPUD														
CUMULATIVE ROTATING HRS.														
TOTAL MUD COST														
			DRILLER <i>[Signature]</i>											

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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			
LAST CASING TUBING OR LINER OUTSIDE DIAMETER INSIDE DIAMETER MAKE kg/m GRADE No. JOINTS TOTAL LENGTH RKB. TO CSG. HD. SET AT										REEL No.	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						

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

[illegible][illegible]

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

[illegible]

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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT REPORT No.

LEASE NO. PARAMOUNT R & AL NEFLA				WELL No. 24498				WELL NUMBER Lat 60 50 1230				WATER DEPTH		DATE 98 03 19 Yr. Mo. Day	
OPERATOR PARAMOUNT RES.				CONTRACTOR NABORS DRILLING LIMITED								RIG No. 16			
SIGNATURE OF OPERATOR'S REPRESENTATIVE R. O. MacEachern								SIGNATURE OF CONTRACTOR'S RIG MANAGER Glen Stang							
D.P. SIZE		kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER			TYPE		STROKE LENGTH		
127		34	E	165	4 1/2 IN	273	1	Emso			F-1000		254		
							2	"			"		"		

E.R.C.B.	OPR	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u>Rm</u>	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial <u>Rm</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 <u>Rm</u>	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
LAT 60 50 LONG 1230										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	
											31.75	10	
										METRES CUT OFF		PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT			
										CUMULATIVE MEGAJOULES			

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	12	12										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						DEPTH IN						pH			
8.	REPAIR RIG						TOTAL METRES DRILLED						SOLIDS %			
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN						INVENTORY CORRECTION			
10.	DEVIATION SURVEY			STANDS DP		m	COND. 1/8's 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						GEL 5 SXS	BICARB 1 SXS		
13.	WAIT ON CEMENT			TOTAL		m							BARITE 7 SXS	LIGNITE 2 SXS		
14.	NIPPLE UP B.O.P.			(FORCE) WT. OF STRING		daN							LIME 1 SXS	SANDUST 114 SXS		
15.	TEST B.O.P.			REMARKS												
16.	DRILL STEM TEST															
17.	PLUG BACK															
18.	SQUEEZE CEMENT															
19.	FISHING															
20.	DIR. WORK															
21.																
22.																

DRILLER **BR**

FIRST TOUR

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				
					12

3600

1

TEAR OUT RIG

Rig Released @ 1200 19-03-98

THANKS FOR AN EXCELLENT JOB. NA BOR-

R.D. McCracken.

[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

LAY DOWN TOP DRIVE - LAY DOWN DERRICK & SPOOL LINES.
RIG OUT STEAM-POWER - MUD THINGS ECT.

(ALL OVER TIME TO BE PAID BY PARAMOUNT RES.)



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DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPB.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u>km</u>	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 <u>km</u>	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		REEL No.	
AST SING BING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											31.75	10	
										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 PARFEL - P COMD - C
					REDUCED PUMP SPEED							

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

[illegible]

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

[illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	24 ⁰⁰	12	1	RIG OUT FLAIR LINES & RIDGE LINES, RIG OUT FLOOR, Undo Power Cords + LHO LINES TO TOP DRIVE, BEING SOME OFF OF HARPOON.	12/12
				(ALL OVER TIME TO BE PAID BY PARAMONT RES.)	

No.

DAILY DRILLING REPORT REPORT No.

LEASE PARAMOUNT ET AL NETLA		WELL No. 2449 B		WELL NUMBER LAT 60 50 LONG 123 00		WATER DEPTH		DATE 98 03 17 Yr. Mo. Day	
OPERATOR PARAMOUNT RESOURCES				CONTRACTOR NABORS DRILLING LIMITED				RIG No. 16	
SIGNATURE OF OPERATOR'S REPRESENTATIVE R.A. Cacher				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
127	29	E	170	4 1/2 IF		1	Emeco	F1000	254
						2	Emeco	F1000	254

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					SIZE						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	1	2 1/4	D.C. ID	OD	m	SER No.					GEL STR. Pa	/	/	/
6.	TRIPS	5 1/4		STB RMR	OD	m	DEPTH OUT					WATER LOSS cm ³			
7.	LUBRICATE RIG	1/4	1/4				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	5		STANDS DP		m	COND. 1/8" T.B/GAGE					MUD & CHEMICALS ADDED			
12.	RUN CASING & CEMENT		9	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.		1/2	TOTAL		m									
15.	TEST B.O.P.			(FORCE) WT. OF STRING		daN									
16.	DRILL STEM TEST			REMARKS											
17.	PLUG BACK			Hole Size Meas 7.01											
18.	SQUEEZE CEMENT			Casing 6.62											
19.	FISHING			3.39m ³											
20.	DIR. WORK			Cemented By Sorel											
21.	P. TOWELS	1/2		Driller Paul Dore											
22.															

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 kg/m ³			
	C. TREATING			STB RMR	OD	m	MFG.				PRESSURE GRADIENT			
	D. SWABBING			D.C. ID	OD	m	TYPE				VISCOSITY			
	E. TESTING			STB RMR	OD	m	JETS	mm				PV mPa.s	YP Pa	
	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			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)							TOTAL METRES DRILLED				SOLIDS %			
HRS. W/CONTR. D.P.							TOTAL HRS. RUN							
HRS. W/OPR. D.P.														
HRS. WO/DP							COND. 1/8's T.B/GAGE				MUD & CHEMICALS ADDED			
HRS. STANDBY							FLOW RATE m ³ /min				TYPE	AMT. kg	TYPE	AMT. kg
							PRESSURE DROP kPa				Lignin 1st			
							TOTAL							
							(FORCE) WT. OF STRING	daN						
TOTAL DAY WORK							REMARKS							
							HELD SAFETY MEETING PRIOR TO CEMENT JOB							
							WITH CEMENTERS & DRILLING CREW BZ. B.M.							
No. OF DAYS FROM SPUD														
CUMULATIVE ROTATING HRS.														
TOTAL MUD COST							DRILLER							

E.R.C.B.	OPR.	R.M.		R.M.
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(3) H-S Signs Posted (if required)	Initial <i>[Signature]</i>	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 CASING TUBING OR LINER											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 COMD - C
500												
						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	05 ⁰⁰	5	11	RIG UP SCHWABERGER To Log + RUN PLATFORM SQUIC LOG	12 / SPACE 12
05 ⁰⁰	07 ¹⁵	2 1/4	6	P/U BIT RP3A R/H CLEAN OUT TRIP	
07 ¹⁵	07 ³⁰	1/4	7	RIG SERVICE / CROWN SAFETY FUNCTION ANN	
07 ³⁰	08 ³⁰	1	5	Circ HALL CLEAN F/C	
08 ³⁰	11 ³⁰	3	6	HOLD TO RUN CSE. W/D 229mm DL's, JARS + BIT RP3A	
11 ³⁰	12 ⁰⁰	1/2	21	RIG UP POWER TOWS.	
Bar #1 Joint = 339.7mm, 21.1 kg/m, JSS, ST/C, 8RD, D/R FCSG TOTAL m 501 RP3. Annular Cemented With 39 Tons, 0-1-0G, 5% CFR, .3% LTR, Tail = 41 Tons 0-1-0G, 1% LTR. Full mud Return on Cement to B. 3/m³ Cement Return Plug Down C 2. Plug Held OK. Bottom Hole Temp. on Log was 51C.					

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 PART - P COMD - 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	17:45	5 ³ / ₄	12	Rm 13 ³ / ₈ CSG HOLD SAFETY MEETING PAUSE	12 / SPARE 12
17:45	20:00	2 ¹ / ₄	5	CIRCULATE CASING 4m FILL - 2.75m STICK UP	
20:00	23:15	3 ¹ / ₄	12	RIG TO CEMENT + DO SAME	
23:15	23:30	³ / ₄	7	RIG SERVICE ✓ BRAKES	
23:30	24 ⁰⁰	¹ / ₂	14	PREPARE TO LIFT OVERHEAD.	



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Revised December 1986

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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> </u>		Initial <u> </u>		(1) Rig Site Health and Safety Meeting (one meeting/crew/month)						
(2) Detailed Inspection-Weekly (using check list)		Initial <u> </u>		Initial <u> </u>		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)						
(3) H-S Signs Posted (If required)		Initial <u> </u>		Initial <u> </u>		(3) Mast Inspected Before Raising or Lowering						
LEGAL LAND DESCRIPTION				WIRE LINE RECORD								
LAT 60 50 LONG 123 00				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 31.75	No. LINES TEN	METRES SLIPPED -
										METRES CUT OFF -	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT 1398		
										CUMULATIVE MEGAJOULES 851928		

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	DB D RM R CORE C	LINER SIZE						STROKES per min	LINER SIZE	STROKES per min		
483	498	15			REAM 311 To 444	1720	8/11	8700	152	105	152	96	P
498	500	2			DRILL 444 -	140	6	8700	152	105	152	96	P
						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	02 ¹⁵	2 1/4	3	REAM 311mm Hole To 444mm Fr 483m → 498m	12	/SPARE 12							
02 ¹⁵	04 ⁰⁰	1 3/4	2	DRILL 444mm Hole Fr 498m → 500mm									
04 ⁰⁰	04 ³⁰	1/2	8	RIG SERVICE. REPAIR #2 Pump 2 pumps available No down time									
04 ³⁰	06 ⁴⁵	2 1/4	5	GAS INFUX, Flow ✓ MONITOR GAS RETURNS									
06 ⁴⁵	10 ³⁰	3 3/4	6	Flow ✓ POOH Fr 500mm Tight All THE WAY OUT ABOVE OUT									
10 ³⁰	10 ⁰⁰	1/2	21	CLEAN BIT & NEAR BIT CLEANER / INSPECT SAME									
11 ⁰⁰	11 ¹⁵	1/4	7	RIG SERVICE FUNCTIONS HERE ✓ BRAKES + LINKAGE									
11 ¹⁵	12 ⁰⁰	3/4	6	RUN w/ BIT RBBA ✓ CRACKING SAWER									

METRES DRILLED		DR. D MM	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 CMD - C
440	500	60		REAM	120	6/10	8400	152	104	152	94	P
					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	1/2	6	CONT TO R/H STOOD UP @ 440m	12-1-3346-12							
12 ³⁰	16 ⁰⁰	3 1/2	3	BECAM CIRC + REAM FR. 440m → 500m (SLOWING SHALE)								
16 ⁰⁰	16 ³⁰	1/2	5	CIRC + CORD MUD + HOLE								
16 ³⁰	19 ⁰⁰	2 1/2	6	WIPE TRIP 10 STKS ✓ CROWN SAVER								
19 ⁰⁰	19 ³⁰	1/2	3	REAM / CLEAN TO CFM FROM 470m → 500m								
19 ³⁰	21 ⁰⁰	1 1/2	5	Circ + CORD Fg 470m								
21 ⁰⁰	23 ⁴⁵	2 3/4	6	Flow ✓ POOH TO LOG (CHAINOUT)								
23 ⁴⁵	24 ⁰⁰	1/4	7	RIG SERV. ✓ CROWN SAVER INSPECT STABBING VALVE, INSIDE BOP + X/O'S								

DAILY DRILLING REPORT REPORT No.

E.R.C.B.		OPR	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u>RM</u>	Initial <u>RM</u>	(1) Rig Site Health and Safety Meeting (one meeting/crow/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 <u>RM</u>	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____	

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
LAT 60 50 LONG 123 00										REEL No.			
AST SING BING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											31.35	10	
											METRES CUT OFF	PRESENT LENGTH	
											MEGAJOULES SINCE LAST CUT		
											CUMULATIVE MEGAJOULES		

METRES DRILLED		DR. D. AM.D 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 SCL - S PARCEL - P COMB - C
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
52	422	70		REAN 311 ~ ~ To 444 ~ ~	100%	8/10	9100	152	109	152	97	P
					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				
1000	1145	1 3/4	3	REAM 311 in - HOLE TO 444 in - Fr 352 in → 422 in	12 / SPARE Boiler 12
5	1200	1/4	7	REG SERVICE FUNCTION ANN ✓ BRAKES + LINKAGE	

METRES DRILLED		DR. D. R.M.D.	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-G						LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S PARCEL - P COMD - C
2	483	61		Dean 31mm To 444mm	120 135	6 12	9100	152	105	152	94	P
					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				
0	23 ⁴⁵	11 3/4	3	Ream 31mm Hole to 444mm Fr 432m →	12 / 3000 12
45	24 ⁰⁰	1/2	7	Rig SERVICE	

[illegible]

DAILY DRILLING REPORT REPORT No.

E.R.C.B.						O.P.R.	R.M.					
(1) Daily Walk Around Inspection						Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____				
(2) Detailed Inspection-Weekly (using check list)						Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____				
(3) H/S Signs Posted (if required)						Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____				
LEGAL LAND DESCRIPTION LAT 60 50 LONG 123 00							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		

[illegible][illegible]

No.

DAILY DRILLING REPORT REPORT No.

LEASE PARAMOUNT ET AL NETLA				WELL No. 2449 B		WELL NUMBER LAT 60 50 LONG 123 O		WATER DEPTH		DATE 98 03 13 Yr. Mo. Day									
OPERATOR PARAMOUNT RESOURCES						CONTRACTOR NABORS DRILLING LIMITED				RIG No. 16									
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>B.G. McEachern</i>						SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>Don Johnson</i>													
D.P. SIZE 177		kg/m 29		GRADE E		TOOL JT. O.D. 170		TYPE THREAD 4 1/2 IF		STRING No.		PUMP No. 1		PUMP MANUFACTURER Emeco		TYPE F1000		STROKE LENGTH 294	
												2		Emeco		F1000		294	

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	444	5A	RR3A		0200			1030
2	DRILL ACTUAL	3		1	NBR	3H	444		DENSITY kg/m ³	1210		1210
3	REAMING	3	1134	STB RMR	OD	MFG.	REED	REED	PRESSURE GRADIENT			
4	CORING			DC	22A	TYPE	4751H	MSS51A-m	VISCOSITY	120		150
5	CONDITION MUD & CIRCULATE	1		6	STB RMR	JETS mm	3x24	3x23	PV mPa.s	/	/	/
6	TRIPS	3		DC	22A	SER No.	ED1963	U70131	GEL STR. Pa	/	/	/
7	LUBRICATE RIG	1/4	1/4	D.C. ID	OD	DEPTH OUT	498		WATER LOSS cm ³			
8	REPAIR RIG			STB RMR	OD	DEPTH IN	123	498	pH	9.5		9.5
9	CUT OFF DRILLING LINE	3/4				TOTAL METRES DRILLED	375	REAM 6	SOLIDS %			
10	DEVIATION SURVEY	1/2				TOTAL HRS. RUN	56	59				
11	WIRE LINE LOGS					COND. 1/8" TB/GAGE	4	4				
12	RUN CASING & CEMENT			STANDS DP	m	FLOW RATE m ³ /min						
13	WAIT ON CEMENT			SINGLES DP	m	PRESSURE DROP kPa						
14	NIPPLE UP & O.P.			STILL UP KELY DOWN	20.63							
15	TEST B.O.P.			TOTAL	36							
16	DRILL STEM TEST			(FORCE) WT. OF STRING	daN							
17	PLUG BACK			REMARKS	HELD BOP DOWN WHILE TRIPPING MEN IN POSITION + WELL DIVERTED							
18	SQUEEZE CEMENT				60 SECS. CE							
19	FISHING				PIPE STCAP - 510.59							
20	DIR. WORK				BOARD - 511.06							
21	ANALYSIS	1/2			HOLE SAME 6.62 MEAS 5.70 DISC 1.71 W/ 1 STD ON RUN IN DRILLER							
22					STCAP - 0.47							

COMPLETION		No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD							
A. PERF'RTN		1	BIT 444	45	m	BIT No.	R23A		TIME	1400	1800	2200	
B. TBG TRIPS		1	WBR	1.85		SIZE	444		DENSITY kg/m ³	1210	1215	1190	
C. TREATING			STB RMR	OD	m	MFG.	Reed		PRESSURE GRADIENT				
D. SWABBING		6	DC ID	229	OD	54.33	m	TYPE	MSSIA-M	VISCOSITY	168	150	150
E. TESTING		1	STB RMR	JH	OD	4.93	m	JETS	mm	3x23	PV mPa.s	YP Pa	
F. ADDIT'NL		1	DC ID	X/6	OD	.78	m	SER No.	V70131	GEL STR. Pa	/	/	/
G.		4	STB RMR	171	OD	108.86	m	DEPTH OUT		WATER LOSS cm ³			
TOTALS	12 12		BMA			171.20		DEPTH IN	498	pH	9	9	9.5
DAY WORK TIME SUMMARY (OFFICE USE ONLY)								TOTAL METRES DRILLED	Reed 123	SOLIDS %			
HRS. W/CONTR. D.P.								TOTAL HRS. RUN	Reed 15				
HRS. W/OPR. D.P.										MUD & CHEMICALS ADDED			
HRS. WO/DP			STANDS DP		m	COND. 1/8" T.B/GAGE				TYPE	AMT. kg	TYPE	AMT. kg
HRS. STANDBY			SINGLES DP		m	FLOW RATE m ³ /min				Gel	16 sks		
			STUCK UP KEY DOWN		m	18.20				caustic	1 sk		
			TOTAL		m	153							
			(FORCE) WT. OF STRING		daN	4000							
TOTAL DAY WORK		REMARKS											
No. OF DAYS FROM SPUD		7											
CUMULATIVE ROTATING HRS.													
TOTAL MUD COST		DRILLER 33											

E.R.C.B.	OPR	R.M.		
(1) Daily Walk Around Inspection	Initial <u>R.M.</u>	Initial <u>R.M.</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 <u>R.M.</u>	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
LAT 60 50 LONG 123 0										REEL No.			
AST ASING UBING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											3175	7EN	18.39
										METRES CUT OFF		PRESENT LENGTH	
										18.39			
										MEGAJOULES SINCE LAST CUT	168		
										CUMULATIVE MEGAJOULES	850699		

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						LINEAR SIZE	STROKES per min	LINEAR SIZE	STROKES per min	SGL - S PARCEL - P COMD - C
86	498	12		PILOT HOLE	150	6	9000	152	106	152	94	P
30	36	6		Beam	50/60	1/4	2700	152	90	152	81	P
					REDUCED PUMP SPEED							

[illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	03 ⁰⁰	3	2	DRILL 311mm PILOT HOLE FR 486m → 498	12 / SPARE Boiler 12
03 ⁰⁰	03 ³⁰	1/2	10	CIRC + SURV. @ 490m	
03 ³⁰	04 ³⁰	1	5	CIRC HOLE CLEAN. + W.D.O. FR. GEO.	
04 ³⁰	05 ³⁰	3	6	FLOW ✓ POOH BIT 5A	
05 ³⁰	08 ⁰⁰	1 1/2	21	LID BIT 5A + BIT SUB, PIV BIT RR3A + NEAR BIT REMARK	
08 ⁰⁰	08 ⁴⁵	3/4	9	SLIP + CUT 18.39m OF DRILLING LINE	
08 ⁴⁵	09 ⁰⁰	1/4	7	RIG SERVICE ✓ CROWNSHEER ✓ BARKES + LINKAGE, FUSION ARM + MOWER KILLS	
09 ⁰⁰	12 ⁰⁰	3	3	REAM 311mm PILOT HOLE TO 444mm FR 30m → 36m (REMOVE REMAINING GRAVEL)	

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 PAREL - P COM'D - C
m	To	R		Ream w/ 444 mm BIT	50	2	2700	150		150		P
m												
						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 / 3 SPARE 12

0	23 ⁴⁵	11 ^{3/4}	3	CONT TO REAM 311mm HOLE TO 444mm FR 36m → 153
45	24 ⁰⁰	1 ^{1/4}	7	RIG SERV. INSPECT TOP DRIVE. FOR LOOSE BOLT & ROUGH DRILLING

			+ SERVICE SAME.	
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OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT No.

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

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
LAT 60 30 LONG 123 0										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	
											31.75	TEN	
										METRES CUT OFF		PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT			
										CUMULATIVE MEGAJOULES			

METRES DRILLED		OR D P.M.H. CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) BT. 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 CABLE. P COMD. C
378	438	60		PILOT HOLE	150	5/7	9300	150	107	150	94	P
						REDUCED PUMP SPEED						

[illegible]

METRES DRILLED		PR-D RMR 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 PANEL - P CORE - C
438	486	48		Pilot Hole	150	5/7	9700	150	107	150	94	P
						REDUCED PUMP SPEED						

[illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12:00	12:15	4 1/4	2	Boiler 10	10

[illegible]

DAILY DRILLING REPORT REPORT No.

E.R.C.B.			OPB			R.M.													
(1) Daily Walk Around Inspection			Initial <u>AM</u>			Initial <u>AM</u>			(1) Rig Site Health and Safety Meeting (one meeting/crew/month)										
(2) Detailed Inspection-Weekly (using check list)			Initial <u>AM</u>			Initial <u>AM</u>			(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)										
(3) H.S Signs Posted (if required)			Initial <u>AM</u>			Initial <u>AM</u>			(3) Mast Inspected Before Raising or Lowering										
LEGAL LAND DESCRIPTION										WIRE LINE RECORD									
LAT 60° 50' LONG 123° 0'										REEL No.									
LAST CASING TUBING OR LINER										SIZE 31.75									
										No. LINES 10									
										METRES CUT OFF									
										PRESENT LENGTH									
										MEGAJOULES SINCE LAST CUT									
										CUMULATIVE MEGAJOULES									
METRES DRILLED										FORMATION									
FROM TO										ROTARY RPM (FORCE) WT. ON BIT daN PUMP PRESS PUMP No. 1 PUMP No. 2 METHOD RUN									
233 312 79										150 4/6 9200 152 107 152 96 P									
PILOT HOLE																			
DEPTH DEV. DIRECTION										DEPTH DEV. DIRECTION									
252 1/2°										309 1/2°									
280 1/2°																			
TIME LOG										BOILER HOURS									
FROM TO ELAPSED TIME CODE No.										12 / SPARE BOILER 12									
00:00 02:45 2 3/4 2										DRILL 311 mm PILOT HOLE FR 233m → 253									
02:45 03:00 1/4 10										SURV. @ 252m									
03:00 07:00 4 2										DRILL 311 mm PILOT HOLE FR. 253 → 282m									
07:00 07:30 3 10										SURVEY @ 282m									
07:30 11:15 3 3/4 2										DRILL 311 mm PILOT HOLE FR 282m → 310m									
11:15 11:30 1/4 10										Circ + SURVEY @ 309m									
11:30 11:45 1/4 7										Rig SERVICE / BRAKES SAVER, FUNCTION ANNUAL + MOTOR WHEELS									
11:45 12:00 1/4 2										DRILL 311mm PILOT HOLE FR 310m → 312									
METRES DRILLED										FORMATION									
FROM TO										ROTARY RPM (FORCE) WT. ON BIT daN PUMP PRESS PUMP No. 1 PUMP No. 2 METHOD RUN									
312 378 66										150 5/8 9400 152 107 152 96 P									
PILOT HOLE																			
DEPTH DEV. DIRECTION										DEPTH DEV. DIRECTION									
338 3/4																			
366 1/4																			
TIME LOG										BOILER HOURS									
FROM TO ELAPSED TIME CODE No.										12 / SPARE BOILER 12									
12:00 14:15 2 1/4 2										DRILL 311mm PILOT HOLE FR 312m → 323m									
14:15 14:45 1/2 8										WIRE ON #2 PUMP CLUTCH → AIR PROBLEM 2 Pump on 1122 - No Downstream									
14:45 16:45 2 2										DRILL 311mm PILOT HOLE FR 323m → 339m									
16:45 17:15 1/2 10										Circ + SURVEY @ 338m									
17:15 17:30 1/4 7										Rig SERVICE / BRAKES LINKAGE FUNCTION ANN									
17:30 22:00 4 1/2 2										DRILL 311mm PILOT HOLE FR 339m → 367									
22:00 22:30 1/2 10										Circ + SURV. @ 366m									
22:30 24:00 1 1/2 2										DRILL 311mm PILOT HOLE FR 367m → 378m									

No.

DAILY DRILLING REPORT REPORT No.

LEASE PARAMOUNT ETAL NETLA		WELL No. 2449B	WELL NUMBER LAT 60° 42 123°		WATER DEPTH	DATE 980310 Yr. Mo. Day		
OPERATOR PARAMOUNT RESOURCE		CONTRACTOR NABORS DRILLING LIMITED		RIG No. 16				
SIGNATURE OF OPERATOR'S REPRESENTATIVE R. A. McEachern		SIGNATURE OF CONTRACTOR'S RIG MANAGER [Signature]						
D.P. SIZE 127	kg/m 29	GRADE E	TOOL JT. O.D. 4 1/2 IF	TYPE THREAD 273	PUMP No. 1	PUMP MANUFACTURER EMSCO	TYPE F1000	STROKE LENGTH 254
					2	EMSCO	F1000	254
TIME DISTRIBUTION - HOURS								
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR					
1	RIG UP AND TEAR DOWN							
2	DRILL ACTUAL	7 1/4	10 1/2					
3	REAMING	3 1/4						
4	CORING							
5	CONDITION MUD & CIRCULATE							
6	TRIPS	3 3/4						
7	LUBRICATE RIG	1/4	1/4					
8	REPAIR RIG							
9	CUT OFF DRILLING LINE							
10	DEVIATION SURVEY	1/4	1 1/4					
11	WIRE LINE LOGS							
12	RUN CASING & CEMENT							
13	WAIT ON CEMENT							
14	NIPPLE UP B.O.P.							
15	TEST B.O.P.							
16	DRILL STEM TEST							
17	PLUG BACK							
18	SQUEEZE CEMENT							
19	FISHING							
20	DIR. WORK							
21								
22								
23								
COMPLETION								
A. PERF'RTN								
B. TBG TRIPS								
C. TREATING								
D. SWABBING								
E. TESTING								
F. ADDIT'L								
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				4				
CUMULATIVE ROTATING HRS.								
TOTAL MUD COST								
DRILLER				[Signature]				
APPROVED				Revised December 1986				
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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 R.M.
Initial R.M.

R.M.

Initial R.M.
Initial R.M.

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

Initial

Initial

LEGAL LAND DESCRIPTION

LAT 60° 42 123°

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
										31.25	10	
										METRES CUT OFF		PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

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
110	145	35		Pilot Hole								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
110	1°							

TIME LOG	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM TO				12 1

00:00	02:00	2	2	DRILL 311mm HOLE FR/110 → 119
02:00	02:15	1/4	10	SURVEY @ 110m
02:15	02:30	1/4	7	RIG SERVICE ✓ CROWN SAUER
02:30	03:15	3/4	3	WORK TIGHT HOLE
03:15	04:45	1 1/2	2	DRILL 311mm HOLE FR/119 → 123
04:45	06:00	1 1/4	6	TRIP TO ✓ BIT
06:00	08:30	2 1/2	6	RIH P/A 272 ~ Jars
08:30	17:00	3 1/2	2	DRILL 311mm Pilot Hole Fr 123 ~ → 145m

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
145m	233	88		Pilot Hole	150	2 1/6	8300	152	107	152	95	P

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
133	3/4		188	1°		234	3/4	

TIME LOG	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM TO				12 1/2 SPACE 12

12:00	12:45	3/4	2	DRILL 311mm Pilot Hole Fr 145m → 155m
12:45	13:00	1/4	10	SURVEY @ 133m
13:00	15:00	2	2	DRILL 311mm Pilot Hole Fr 155m → 170m
15:00	15:15	1/4	10	SURVEY @ 161m
15:15	18:45	3 1/2	2	DRILL 311mm Pilot Hole Fr 170m → 197m
18:45	19:00	1/4	7	RIG SERVICE ✓ BEARS LINKAGE, FUNCTIONAL
19:00	19:15	1/4	10	CALC SURVEY @ 188m
19:15	20:15	1	2	DRILL 311mm Pilot Hole Fr 197m → 205m
20:15	20:30	1/4	10	CALC SURVEY @ 205m
20:30	23:45	3 1/4	2	DRILL 311mm Pilot Hole Fr 205m → 233m
23:45	24:00	1/4	10	ACCUM SURVEYS @ 224m

FORM 276m

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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No.

LEASE PARAMOUNT ETAL NETLA	WELL No. 24498	WELL NUMBER LAT 60° 42' 123°	WATER DEPTH	DATE 980309 Yr. Mo. Day					
OPERATOR PARAMOUNT RESOURCES	CONTRACTOR NABORS DRILLING LIMITED		RIG No. 16						
SIGNATURE OF OPERATOR'S REPRESENTATIVE B. O. McEachern		SIGNATURE OF CONTRACTOR'S RIG MANAGER							
D.P. SIZE 127	kg/m 29	GRADE E	TOOL JT. O.D. 4 1/2 IF	TYPE THREAD 273	STRING No. 1	PUMP No. 2	PUMP MANUFACTURER EMISCO	TYPE F1000	STROKE LENGTH 254

TIME DISTRIBUTION - HOURS				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD				
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	1	BIT	311	35	m	BIT No.	4A	TIME	12:00	06:00	10:00
1	RIG UP AND TEAR DOWN			1	B.S.	123			SIZE	311mm	DENSITY kg/m ³	1060	1060	1100
2	DRILL ACTUAL	2 1/2	8	6	STB RMR	OD		m	MFG.	REED	PRESSURE GRADIENT			
3	REAMING	9 1/4		6	DC ID	222	OD	54.33	TYPE	ENP53A	VISCOSITY	200+	200+	300+
4	CORING			1	STB RMR	4/6	OD	.78	JETS mm	3/64	PV mPa.s	YP Pa		
5	CONDITION MUD & CIRCULATE		2 1/2	1	DC ID	171	OD	9.04	SER No.	EP3578	GEL STR. Pa			
6	TRIPS				STB RMR	OD		m	DEPTH OUT		WATER LOSS cm ³			
7	LUBRICATE RIG	1/4	1/4						DEPTH IN	29	pH	9.5	9.5	9.5
8	REPAIR RIG								TOTAL METRES DRILLED	31	SOLIDS %			
9	CUT OFF DRILLING LINE								TOTAL HRS. RUN	42 1/4	MUD & CHEMICALS ADDED			
10	DEVIATION SURVEY	1 1/4			STANDS DP		m	COND. 1/8" T/B/GAGE			TYPE	AMT. kg	TYPE	AMT. kg
11	WIRE LINE LOGS				SINGLES DP		m	FLOW RATE m ³ /min						
12	RUN CASING & CEMENT				STB RMR	573	m	PRESSURE DROP kPa						
13	WAIT ON CEMENT				TOTAL	50	m							
14	NIPPLE UP B.O.P.				(FORCE) WT. OF STRING	24 000	daN							
15	TEST B.O.P.				REMARKS									
16	DRILL STEM TEST													
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'RTN				1	BIT	35		m	BIT No.	4A	TIME	14:00	12:00	22:00
B. TBG TRIPS				1	B.S.	123			SIZE	311mm	DENSITY kg/m ³	1100	1110	1110
C. TREATING				6	STB RMR	OD		m	MFG.	REED	PRESSURE GRADIENT			
D. SWABBING				6	DC ID	222	OD	54.33	TYPE	ENP53A	VISCOSITY	300+	300+	300+
E. TESTING				1	STB RMR	5/6	OD	.78	JETS mm	3/64	PV mPa.s	YP Pa		
F. ADDIT'L				6	DC ID	53.68	OD		SER No.	EP3578	GEL STR. Pa			
G.					STB RMR	OD		m	DEPTH OUT		WATER LOSS cm ³			
TOTALS	12	12							DEPTH IN	29	pH	9.5	9.5	9.5
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									TOTAL METRES DRILLED	81	SOLIDS %			
HRS. W/CONTR. D.P.									TOTAL HRS. RUN	50 1/4	MUD & CHEMICALS ADDED			
HRS. W/OPR. D.P.					STANDS DP		m	COND. 1/8" T/B/GAGE			TYPE	AMT. kg	TYPE	AMT. kg
HRS. W/IDP					SINGLES DP		m	FLOW RATE m ³ /min						
HRS. STANDBY					KELLY DOWN		m	PRESSURE DROP kPa						
					TOTAL	110	m							
					(FORCE) WT. OF STRING	30 000	daN							
TOTAL DAY WORK				REMARKS										
No. OF DAYS FROM SPUD														
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 *Am*
Initial *Am*

H.M.

Initial *Am*
Initial *Am*

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

Initial
Initial

LEGAL LAND DESCRIPTION LAT 60° 42' 123°

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
										31.75	10	
	METRES CUT OFF										PRESENT LENGTH	
	MEGAJOULES SINCE LAST CUT											
CUMULATIVE MEGAJOULES												

METRES DRILLED				DR. D. R.M.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	LINE SIZE	STROKES per min							LINE SIZE	STROKES per min			
37	60	73				Pilot Hole	50/90	5/10	4000	152	110	152	100	P

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	08:00	8	3	REAM FR 32 → 37 m	
08:00	10:00	2	2	DRILL FR 37 → 49 m (Pilot Hole)	
10:00	11:15	1 1/4	3	REAM FR 37 → 49 m	
11:15	11:45	1/2	2	DRILL 311mm HOLE FR 49 → 60 m	
11:45	12:00	1/4	7	RIG SERV. FUNCTION MOTOR KILLS ✓ (CROWN SAVED)	

METRES DRILLED				DR. D. R.M.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	LINE SIZE	STROKES per min							LINE SIZE	STROKES per min			
60	110	50				Pilot Hole	50/90	3/10	2900	152	80	152	71	

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	13:15	1 1/4	2	DRILL 311mm HOLE FR 60 → 70 m (Pilot Hole)	
13:15	14:00	3/4	10	CIRC + SERV. @ 55 m	
14:00	14:30	1/2	2	DRILL 311mm Pilot Hole FR 70 → 77 m	
14:30	17:00	2 1/2	5	CIRC OUT HEAVY SAND RETURNS (BLINDING SCREENS)	
17:00	21:00	4	2	DRILL 311mm Pilot Hole FR 77 → 93	
21:00	21:30	1/2	10	SURVEY @ 84 m 1/2°	
21:30	23:45	2 1/4	2	DRILL 311mm HOLE FR 93 → 110	
23:45	24:00	1/4	7	RIG SERVICE ✓ HYDRILL	

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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT REPORT No.

LEASE PARAMOUNT ETAL NETLA						WELL No. 2449B		WELL NUMBER LAT 60° 47' 123				WATER DEPTH		DATE 980308 Yr. Mo. Day	
OPERATOR PARAMOUNT RESOURCES						CONTRACTOR NABORS DRILLING LIMITED						RIG No. -16			
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			
127	29	E	#4	4 1/2 IF	273	1	EMSCO				F 1000	254			
						2	EMSCO				F 1000	254			
TIME DISTRIBUTION - HOURS						No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR			1. BIT	311mm .35m	BIT No.	4A	TIME		2:00	2:00	10:00	
1. RIG UP AND TEAR DOWN						1 B.S.	1.23	SIZE	311mm	DENSITY kg/m³	1060	1060	1065		
2. DRILL ACTUAL						STB RMR OD	m	MFG.	REED	PRESSURE GRADIENT					
3. REAMING	12	9 3/4				B D.C. ID	222 OD 35.96m	TYPE	EHP53A	VISCOSITY	75	115	135		
4. CORING						STB RMR OD	m	JETS mm	3x24/32	PV mPa.s YP Pa	/	/	/		
5. CONDITION MUD & CIRCULATE						D.C. ID	OD	SER No.	ER3578	GEL STR. Pa	/	/	/		
6. TRIPS		1 3/4				STB RMR OD	m	DEPTH OUT		WATER LOSS cm³					
7. LUBRICATE RIG		1/2						DEPTH IN	29	pH	10.0	10.0	10.0		
8. REPAIR RIG								TOTAL METRES DRILLED	8	SOLIDS %					
9. CUT OFF DRILLING LINE								TOTAL HRS. RUN	20 3/4	MUD & CHEMICALS ADDED					
10. DEVIATION SURVEY						STANDS DP	m	COND. 1/8's T/B/GAGE		TYPE	AMT. kg	TYPE	AMT. kg		
11. WIRE LINE LOGS						SINGLES DP	m	FLOW RATE m³/min	/	Gel 50 sks					
12. RUN CASING & CEMENT						KELLY DOWN	m	PRESSURE DROP kPa	/	Caustic 1 sks					
13. WAIT ON CEMENT						TOTAL	37.54m			Sand 4 sks					
14. NIPPLE UP B.O.P.						(FORCE) WT. OF STRING	20 daN								
15. TEST B.O.P.						REMARKS									
16. DRILL STEM TEST															
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. PERFRT'N						BIT	.35m	BIT No.	4A	TIME		1400	1800	2200	
B. TBG TRIPS						B.S.	1.23	SIZE	311mm	DENSITY kg/m³	1070	1090	1090		
C. TREATING						STB RMR OD	m	MFG.	REED	PRESSURE GRADIENT					
D. SWABBING						4 B D.C. ID	222 OD 35.96m	TYPE	EHP53A	VISCOSITY	100	200+	200+		
E. TESTING						STB RMR OD	m	JETS mm	3/24	PV mPa.s YP Pa	/	/	/		
F. ADDIT'L						D.C. ID	OD	SER No.	ER3578	GEL STR. Pa	/	/	/		
G.						STB RMR OD	m	DEPTH OUT		WATER LOSS cm³					
TOTALS	12	12						DEPTH IN	29	pH	9.5	10.0	10.0		
DAY WORK TIME SUMMARY (OFFICE USE ONLY)								TOTAL METRES DRILLED	8	SOLIDS %					
HRS. W/CONTR. D.P.								TOTAL HRS. RUN		MUD & CHEMICALS ADDED					
HRS. W/OPR. D.P.						STANDS DP	m	COND. 1/8's T/B/GAGE		TYPE	AMT. kg	TYPE	AMT. kg		
HRS. WO'DP						SINGLES DP	m	FLOW RATE m³/min	/	Gel 45 sks					
HRS. STANDBY						KELLY DOWN	m	PRESSURE DROP kPa	/	Proppant 28 sks					
						TOTAL	37			Sand 10 sks					
						(FORCE) WT. OF STRING	20,000 daN								
TOTAL DAY WORK						REMARKS									
No. OF DAYS FROM SPUD CUMULATIVE ROTATING HRS.															
TOTAL MUD COST															
						DRILLER <i>[Signature]</i>									

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

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
AST ASING BING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
										31.75	10	
										METRES CUT OFF		PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

METRES DRILLED		DRILL RM. CORE NO.	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 COMD - C
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
0	29	9			35/10	3/10	3050	152	105	152	84	
					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	02:15	2 1/4	5	MIX UP LCM + SPOT SAME
15	03:00	3/4	8	WORK DN FOR DRIVE - (3412 FUEL PROBLEM)
00	05:00	2	2	DRILL 444 mm HOLE FR/20 → 29m
5:00	05:30	1/2	6	POOH.
5:30	07:30	2	21	REPAIR NEAR BIT REAMER & CHANGE BIT
7:30	08:30	1	22	MAKE UP BHA
3:30	11:45	3 3/4	2	DRAW 444 mm HOLE FC. 29m → 30m
5	12:00	1/4	7	RIG SEEN. ✓ CROWN SAVER VISUAL INSPECT BRAKE LINEAGE.

METRES DRILLED		(D.R.) 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	
m	To											
9m	37	8			50/60	4-8	7530	155	100	152	90	SOL - S PARCEL - P SOMD - C P
					REDUCED PUMP SPEED							

[illegible]

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

[illegible]

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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT REPORT No.

LEASE		WELL NO.		WELL NUMBER		WATER DEPTH		DATE	
PARAMOUNT ETAL WETIA		24498		LAT 60° 42' 123"				78 03 06	
OPERATOR				CONTRACTOR				Yr. Mo. Day	
PARAMOUNT RESOURCES				NABORS DRILLING LIMITED				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	
127		29		E		4 1/2 IF		273	
BUMP No.		PUMP MANUFACTURER		TYPE		STROKE LENGTH			
1		EMSCO		F1000		254			
2		EMSCO		F1000		254			

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											
2.	DRILL ACTUAL	1 3/4		Hammer	2.10	SIZE	444		DENSITY kg/m ³			
3.	REAMING			STB	0.79	MFG.	Smith		PRESSURE GRADIENT			
4.	CORING			D.C. ID	OD	m	TYPE	H42S2R3-PD	VISCOSITY			
5.	CONDITION MUD & CIRCULATE	1 3/4		STB	OD	m	JETS mm	(Hammer Bit)	PV mPa.s	YP Pa	/	/
6.	TRIPS			D.C. ID	OD	m	SER No.	C-125	GEL STR. Pa	/	/	/
7.	LUBRICATE RIG	1/4		STB	OD	m	DEPTH OUT	21	WATER LOSS cm ³			
8.	REPAIR RIG						DEPTH IN	0	pH			
9.	CUT OFF DRILLING LINE						TOTAL METRES DRILLED	21	SOLIDS %			
10.	DEVIATION SURVEY						TOTAL HRS. RUN	3				
11.	WIRE LINE LOGS			STANDS DP	m	COND 1/8" T/B/GAGE	1+1		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			CRUSTIC	2 SK		
14.	NIPPLE UP B.O.P.			TOTAL	3.28				SALT 1.21	2 SK		
15.	TEST B.O.P.			(FORCE) WT. OF STRING	daN				GEL	50 SK		
16.	DRILL STEM TEST			REMARKS	FUNK. TEST ANN. + HCR JARVE + HELD PRESSUD							
17.	PLUG BACK				SAFETY MEETING W/ CREW. Paul Dyer							
18.	SQUEEZE CEMENT				FUNK TEST MOTOR KILLS PD							
19.	FISHING											
20.	DIR. WORK											
21.	HANDLE BHA	10%	3									
22.	WORK ON SET											

DRILLER *Robert [Signature]*

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERF'RTN		BIT		.45 m	BIT No.	2A			TIME				
B. TBG TRIPS		RHLL RMR		1.86 OD	SIZE	444			DENSITY kg/m ³				
C. TREATING		STB RMR	OD	m	MFG.	REED			PRESSURE GRADIENT				
D. SWABBING		D.C. ID	OD	12.94 m	TYPE	S13G			VISCOSITY				
E. TESTING		STB RMR	OD	m	JETS min	3x28			PV mPa.s	/	/	/	
F. ADDIT'L		D.C. ID	OD	m	SER No.	NP0052			GEL STR. Pa	/	/	/	
G.		STB RMR	OD	m	DEPTH OUT				WATER LOSS cm ³				
TOTALS	12 12				DEPTH IN	021			pH				
DAY WORK TIME SUMMARY (OFFICE USE ONLY)					TOTAL METRES DRILLED				SOLIDS %				
HRS. W/CONTR. D.P.					TOTAL HRS. RUN								
HRS. W/OPR. D.P.		STANDS DP	m	COND. 1/8"s T/B/GAGE					MUD & CHEMICALS ADDED				
HRS. WO/DP		SINGLES DP	m	FLOW RATE m ³ /min	/	/			TYPE	AMT. kg	TYPE	AMT. kg	
HRS. STANDBY		KELLY DOWN	m	PRESSURE DROP kPa					GEL	115	CAUSION	1	
		TOTAL	20.25 m						KIDKSEN	4			
		(FORCE) WT. OF STRING	16 000 daN						SANDUST	54			
									LIME	1			
TOTAL DAY WORK:				REMARKS HELD PRESPUD SAFETY MEETING WITH ALL									
No. OF DAYS FROM SPUD	0												
CUMULATIVE ROTATING HRS.													
TOTAL MUD COST		DRILLER [Signature]											

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

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
LAT 60° 42' 123"										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	
											31 75	10	
										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	
0	21	21										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				
00 ⁰⁰	08 ⁴⁵	8 ^{3/4}		MAKE UP BHA ✓ HAMMER - MAKE UP NEW BHA	
			21	CONDUKTOR HOLE PLUGED	
17B ⁴⁵	10 ³⁰	1 ^{3/4}	2	DRAW OUT CONDUKTOR BARREL (CEMENT ?) DRILL TO	21.22 21.22 HIT WATER
10 ³²	12 ⁰⁰	1 ^{1/2}	21	L/D BHA HAMMER SWR + BIT	
				* HELD PRE SPUD SFTY MEETING,	
				SPUD @ 09:00 ON 98-03-06	

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 PART L - P COM'D - C
						REDUCED PUMP SPEED						

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

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
LAT 60° 42' 123°										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	
											31.75	10	
										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 PARL - P COMD - C
						REDUCED PUMP SPEED						

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

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 PAVEL - P COMD - C
						REDUCED PUMP SPEED						

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

17:00				RIG UP DIVERter FOR ROTATING HEAD, BUILD FLOW LINE W/ WELDER, LAY BLOX LINES TO FLARE 17
	22:30	10 1/2	1	+ RIG UP RIG FLOOR.
22:30	24:00	1 1/2	21	MAKE UP BHA

[illegible]

No.

DAILY DRILLING REPORT REPORT No.

LEASE		WELL No.		WELL NUMBER		WATER DEPTH		DATE	
PARAMOUNT ETAL NGTLA		2449B		LAT 60° 42' 123"				98 03 04	
OPERATOR				CONTRACTOR				Yr. Mo. Day	
PARAMOUNT RESOURCES				NABORS DRILLING LIMITED				RIG No.	
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S RIG MANAGER				16	
K. Hill				J. Hill					
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
127	29	E		4 1/2 IF	273	1	EMSCO	F1000	254
						2	EMSCO	F1000	254

TIME DISTRIBUTION - HOURS				No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD							MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR			m	BIT No.						TIME				
1.	RIG UP AND TEAR DOWN	4	12				SIZE						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.s	/	/	
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					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.	DIV. WORK																
21.																	
22.																	

DRILLER *[Signature]*

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 kg/m ³				
	C. TREATING			STB RMR	OD	m	MFG.			PRESSURE GRADIENT				
	D. SWABBING			D.C. ID	OD	m	TYPE			VISCOSITY				
	E. TESTING			STB RMR	OD	m	JETS	mm			PV mPa.s	YP Pa	/	/
	F. ADDIT'N'L			D.C. ID	OD	m	SER No.			GEL STR. Pa	/	/	/	
G.			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							
HRS. W/OPR. D.P.				STANDS DP	m	COND. 1/8's T/B/GAGE				MUD & CHEMICALS ADDED				
HRS. WO/DP				SINGLES	DP	m	FLOW RATE m ³ /min	/	/	TYPE	AMT. kg	TYPE	AMT. kg	
HRS. STANDBY				KELLY DOWN	m		PRESSURE DROP kPa							
				TOTAL	m									
				(FORCE) WT. OF STRING	daN									
TOTAL DAY WORK				REMARKS										
No. OF DAYS FROM SPUD														
CUMULATIVE ROTATING HRS.														
TOTAL MUD COST				DRILLER <i>Paul Jones</i>										

E.R.C.B.	OPR.	R.M.		R.M.
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(3) H/S Signs Posted (if required)	Initial <u> </u>	Initial <u> </u>	(3) Mast Inspected Before Raising or Lowering	Initial <u> </u>

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			
LAT 60° 42' 123"										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	
						REDUCED PUMP SPEED						

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

[illegible][illegible]

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

[illegible]

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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.
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
									31.95	10		
									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
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL - S PAR'EL - P COM'D - C
+												
					REDUCED PUMP PRESS							

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

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 PAR'EL - P COM'D - C
						REDUCED PUMP PRESS						

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

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERF'RTN				BIT	m	BIT No.				TIME			
B. TBG TRIPS						SIZE				DENSITY kg/m ³			
C. TREATING				STB RMR	OD m	MFG.				PRESSURE GRADIENT			
D. SWABBING				D.C. ID	OD m	TYPE				VISCOSITY			
E. TESTING				STB RMR	OD m	JETS mm				PV mPa•s YP Pa	/	/	/
F. ADDIT'NL				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			
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.				STANDS DP	m	COND. 1/8's T/B/GAGE				TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/DP				SINGLES DP	m	FLOW RATE m ³ /min	/	/	/				
HRS. STANDBY				KELLY DOWN	m	PRESSURE DROP kPa							
				TOTAL	m								
				(FORCE) WT. OF STRING	daN								
TOTAL DAY WORK				REMARKS									
No. OF DAYS FROM SPUD													
CUMULATIVE ROTATING HRS.													
TOTAL MUD COST													

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.Q.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 SING ING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											31.75	10	
										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
FROM	TO							LINEAR SIZE	STROKES per min.	LINEAR SIZE	STROKES per min.	SGL. - S. PARALLEL - P COMB. - C.
					REDUCED PUMP SPEED							

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

[illegible][illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1:00				Rig up w/LAND, SPOT SUB. RIN BERRICK TOGETHER	

20:00	12	1	90 KM move.

Mar 1-22/98