DATE Mud Report	DEPTH meters	MUD PROPERTIES: WEIGHT LBS/GAL	FUNNEL VIS, SEC.	API W.L. CC	PH	% SOLIDS	% SAND	% OIL	CL, PPM	O/W RATIO	HT/HP W.L. CC	FL TEMP.	MUD MATERIAL CONSUMPTION: BARYTE BAGS	MILBEN BENTONITE BAGS	CMC, BAGS	CAUSTIC BAGS	DRIS-PAC	SODA ASH	CALCIUM CHLORIDE	MIL-GEL	MD-DRUM	UNI-CAL	MIL-PLATE DRUM	MICA
SEPT 20		8.7	300+		8.5				800					80			2	1						
21		8.6	154		8				800								2							
22		8.7	150		8				800					8			2							
23		8.7	150	9.0	8.0	-	NIL	-	800					10			1	1						
24		8.5	125	9.4	9.0	2.0	NIL	-	800															
		WAIT ON WEATHER SEPT 23 TO OCT 10, 1975										DUMPED	MUD TO BALLAST. RIG MOVING OFF ATTEMPTED HOLES.											
OCT 10	178	8.5	49	17.6	11.5	1.0	NIL	-	600					125		5	1		17					
11	229	8.6	40	26.4	11.5	NIL	NIL	-	600					30		2								
12	423.6	9.2	45	16.6	10.0	6.5	1½	-	2100					44		1								
13	REAM 26"	9.0	32	22.1	8.0	5.0	1/4	-	1400					-	-	-								
14	485	8.8	75	14.5	9.0	3.5	NIL	-	1000					106		5	2							
15	485	8.7	38	15.4	10.5	2.0	NIL	-	1500					200		6								
16	485	8.7	40	16	10.5	Tr.	Tr.	-	1500															
17	485	8.7	40	16	10.5	Tr.	Tr	-	1500					125		2								
18	578	8.9	39	14	10.5	2	1/4	-	1700				68	177		16	2					4		
19	897	9.2	42	10	10.5	5	1/4	-	1500				68	148		18	4				2	8		
20	1245	9.1	39	10	10.5	5	1/4	-	1500					42	42	16	4					22		
21	1683	9.0	40	8	10	3	1/4	-	1600				475			8	1			17	2	26		
22	1953	9.4	65	8.0	10.5	5	1/4	-	1500				522			3				22		9		
23	2002	9.3+	64	10.4	9.0	5	1/4	4.5	1500				81			1				5		5		
24	2002	9.5	58	9.2	9.0	6.0	1/4	2.5	1550											41				
25	2002	9.5	58	9.0	9.0	6.0	1/4	2.5	1500				135											
26	2002	9.7	61	8.9	8.5	8.0	3/4	1.5	1500				324							43		3		
27	2002	9.7	61	9.5	8.5	8.0	3/4	1.5	1500				95				1			21				
28	2002	9.7	63	8.5	8.5	8.0	1/2	1.0	1500							4						23	2	
29	2002	9.5	65	7.1	9	7.0	trace	trace	1500							11						179	10	44
30	2004.6	10.5	56	5	10.5	13	½	2	1500				1150			10				36		77	14	20
31	2004.6	10.5	54	6	10.5	11	NIL	3	1500				68											
NOV 1	2004.6	10.5	57	6	10	11	NIL	3	1500															
2	2004.6	10.5	57	6	10	11	NIL	3	4200															

BITS: BIT NO.	SIZE	TYPE	JETS	HOURS RUN	DEPTH OUT	Mtrs.	M/HOUR	CONDITION B	T	G	HYDRAULICS: G.P.M.	PRESSURE P.S.I.	ANNL VEL. FT./MIN.	PUMP HHP	ΔP AT BIT	BIT HHP	JET NOZZLE VEL. FT./SEC	PARAMETERS: WT. ON BIT 1000 LBS.	ROTARY R.P.M.	TOTCO AT BIT CHANGE
1	26	SFM									1400	1700	121	1389				5	50	
	36 HO										1400	1700	121	1389				5	50	
											1400	1950	121	1593				5	50	
1	26/36	SFM	3-24					-	-	-	1300	1800	112	1365	740	561	315	5	50	
1	26/36	SFM	3-24	8½	229	61.5	7.24				1300	1800	112	1365	740	561	315	5	50	
2	17½	TS3J	3-22								1368	3000	119	2394	1280	1021	397	15/20	100	
2RR	17½/26	TS3J	3-22					-	-	-	1260	2250	110	1654	1060	779	365	10/15	75	
2RR	17½/26	TS3J	3-22	7½	485	256	3.41	-	-	-	1260	2250	110	1654	1040	779	365	10/15	75	
3	17½	TS3J	3-22								1140	2000	99	1330	840	559	330	10/15	50	
3	17½	TS3J	3-22	8½	486	83	9.76	3	5	I	1368	2800	119	2235	1250	998	397	10/20	50/75	
4	17½	TS3J	3-22	40	1258	772	19.30	4	3		1368	3300	119	2634	1280	1022	397	25	80/100	
5	17½	TS3J	3-22								1277	3200	111	2384	1100	820	370	15/25	100	
5	17½	TS3J	3-22								1150	3200	100	2147	880	590	333	10/35	90/110	
5	17½	TS3J	3-22	47	2002	744	15.82	5	5	0	1150	3200	100	2147	920	617	333	10/35	90/110	
	LOGGING										1000	3000	83	1750	695	405	290			
	RUN CASING																			
	RUN CASING																			
	CIRCULATE CASING																			
	LAY DOWN CASING																			
6	17½	IS5J	3-22	16½	1796	678	41.09	1			912	2500	62	1330	600	319	265	10 REAM	100/150 REAM	
7	17½	S3SJ	3-24								912	2500	62	1330	412	219	221	10 REAM	100/150	
7	17½	S3SJ	3-24								912	3000	62	1596	455	242	221	5/10	75/150	
7	17½	S3SJ	3-24	14½	2004.6	26		3	3		885	2500/3000	60	1549	430	222	215	5/10	75/50.0	
	CEMENTING																			
8	12 1/4 SDT	3-18									844	3000	267	1477	1250	615	365	5/10	60	

Mobil Oil Corporation Mobil Technical Services Inc. — Drilling Summary

Company: MOBIL EXPLORATION NORWAY INC Well: 33/12-5

MUD PROPERTIES

DATE Mud Report	DEPTH meters	WEIGHT LBS/GAL	FUNNEL VIS, SEC.	API W.L. CC	PH	% SOLIDS	% SAND	% OIL	CL, PPM	O/W RATIO	HT/HP W.L. CC	FL TEMP.
NOV 3	2139	10.4	45	8.4	10	7	1/4	1	2300			
4	2256	13.5	57	6.6	10	17	1/2	1	2000			
5	2283	13.5	60	7.0	10.5	18	1/2	1	1800			
6	2352	13.4+	50	3.8	9.5	20	1/4	1	2100			
7	2455	13.5	50	4.6	10.5	20	1/4	1	2300			
8	2545	13.5	49	4.7	10.5	20	1/4	1/2	2400			
9	2602	13.5	48	5.1	10.5	21	1/4	TRACE	2300			
10	2646	13.4+	49	5.0	10.0	21	1/4	TRACE	2200			
11	2700	13.4	50	4.7	10.5	21	1/2	TRACE	2100			
12	2739	13.4	48	4.5	10.5	21	1/4	TRACE	2200			
13	2762	13.4	50	5	10.0	21	1/2	1	2100			
14	2815	13.3+	47	4.8	10.5	20	1/4	2	1800			
15	2855	13.5	48	4	10.5	20	1/4	1	1600			
16	2873	13.5	46	4	10.5	20	1/4	1	1400			
17	2873	13.4	45	4.2	10.5	20	1/4	1	1400			
18	2873	13.5	45	3.8	10.5	20	1/4	1	1600			
19	2873	13.5	46	4.2	10.5	20	1/4	1	1800			
20	2873	13.4	44	4.7	10.5	20	1/4	1	2200			
21	2900	13.5	46	5.5	11.0	20	1/2	1	2400			
22	2950	13.2	48	6.0	10.5	19	1/2	1/2	2400			
23	2985	12.9+	46	5.8	10.5	19	1/2	1/2	2800			
24	2985	13.0	48	6.2	10.5	19	1/2	TR	3200			
25	2985	12.9	46	6.2	10.5	19	1/2	TR	3200			
26	2985	12.9	46	6.2	10.5	19	1/2	TR	3200			
27	2985	12.8	45	6	10	18	1/2	1/2	4700			
28	3015	12.6	50	6	10.5	18	1/2	1	3800			
29	3031	12.6	48	6	10.5	18	1/2	1	3800			
30	3040	12.4	47	6	10.5	16	1/2	1	2700			
DEC 1	3051	13.5	48	6.2	10.5	16	1/2	1/2	3400			
2	3094	13.4	50	5.6	10.5	17	3/8	1	3200			

MUD MATERIAL CONSUMPTION

DATE Mud Report	BAG BARYTE	MILGEL BENT-ONITE	BAG CMC,	BAG CAUSTIC	UNI CAL	BI CARB	MICA (C)	AL STEA RATE	MD DRUM	MIL PLUG	MIL-PLATE DRUM	LD-7 can	FOAM BAN DRUM
NOV 3	320	146		20	18	3	21	3					
4	3840	47		10	60			1	2				
5	998			8	9				1				
6	689	10	6	8	78				2				
7	408			17	41				1				
8	176	5		17	17				2				
9	270	12		13	21				1				
10	284	50		5	12		17	1		11			
11	95	10		6	53		10			8			
12	81	6		6	21								
13	135	14		11	14						7		
14	675			24	42			7			13	1	1
15	675			24									
16	270				6								
17		3			5								
18	200												
19	324												
20	300												
21	607	21		3	3	6		1				2	
22	108	14	5				25			18			
23	81				3		46			26			
24	734	27	1	2									
25		81											
26													
27													
28	405			12	12			1			5		
29		97											
30	405	113		14	39			1					
DEC 1	2565	50		3	39								
2	810	32	1	26	43						1		

BITS

BIT NO.	SIZE	TYPE	JETS	HOURS RUN	DEPTH OUT	FOOTAGE m	m / HOUR	CONDITION B	T	G
8	12 1/4	SDT	3-18							
8	12 1/4	SDT	3-18							
8	12 1/4	SDT	3-18	25½	2256	252	9.88	3	5	1
9	12 1/4	X1G	3-18	14½	2353	97	6.69	2	4	1
10	12 1/4	SDT	3-18	18	2459	106	5.89	2	6	1
11	12 1/4	S44	3-18						IN	
11	12 1/4	S44	3-18	23	2588	129	5.61	6	4	1
12	12 1/4	S44	3-18	19½	2645	57	2.95	3	3	1
13	12 1/4	S13J	3-18	23	2702	56	2.43	3	5	1
14	12 1/4	S13J	3-16							
14	12 1/4	S13J	3-16	26	2762	60	2.31	4	5	
15	12 1/4	S44	3-16	28	2842	80	2.86	7	7	1
16	12 1/4	S44	3-16	12	2873	31	2.58	1	1	1
	LOGGING									
	HANG OFF W O W									
	RUN 9 5/8 CASING									
	RUN 9 5/8 CASING, CEMENT SAME									
17	8½	X1G	RUNNING IN							
17	8½	XIG	3-16	6	2889	16	2.67	2	6	1
18	8½	SDT	3-16	9½	2940	67	7.05	3	2	1
19	8½	X1G	3-16	8	2985	45	5.63	2	3	1
	PUL RISER									
	REPAIRS TO TOP SECTION OF STACK									
	REPAIRS TO TOP SECTION OF STACK									
20	8½	SVH	3-16				NEW			
20	8½	SVH	3-16	9½	3031	46	4.84	5	4	
21	8 15/32	Boart	Lx16							
21	8 15/32	Boart	"							
21	8 15/32	"								
21	8 15/32	"								

HYDRAULICS

G.P.M.	PRESSURE P.S.I.	ANNL VEL. FT./MIN.	PUMP HHP	ΔP AT BIT	BIT HHP	JET NOZZLE VEL. FT./SEC.
844	3000	165	1477	1240	628	365
729	3000	141	1276	1180	502	315
729	3000	141	1276	1180	502	315
720	2700	140	1134	1150	483	310
655	3000	127	1146	955	365	283
648	3000	127	1134	930	352	280
655	3000	127	1146	955	365	283
648	3000	127	1134	920	348	280
644	3000	125	1127	910	342	279
598	3000	110	1047	1250	436	326
598	3000	110	1047	1250	436	326
600	3000	110	1050	1260	441	328
570	3000	110	998	1160	386	312
490	2500	250	715	840	240	268
490	2500	250	715	820	235	268
490	2500	250	715	810	232	268
490	2600	250	743	800	229	268
473	4200	210	1159			
473	4200	210	1159			
473	4200	210	1159			

PARAMETERS

WT. ON BIT 1000 LBS.	ROTARY R.P.M.	TORQUE AT BIT CHANGE
30/35	160	
35/45	120/160	
35/45	120/160	
30/35	140	
40	115	
40	100/140	
40/45	100/140	
35/40	140	
35/40	140	
10/35	120/140	
10/35	120/140	
30/35	120	
30/35	120/160	
20/30	70/90	
15/30	90	
15/30	90	
10/15	70	
25/30	90	
5/30	50/80	
25/30	60	
15/35	60	

Mobil Oil Corporation Mobil Technical Services Inc.

Company MOBIL EXPLORATION NORWAY

Well 33/12-5

Drilling Summary

MUD PROPERTIES

DATE (Mud Report)	DEPTH meters	WEIGHT LBS/GAL	FUNNEL VIS, SEC	API W.L. CC	PH	% SOLIDS	% SAND	% OIL	CL, PPM	O/W RATIO	HT/HP W.L. CC	FL TEMP.
DEC 3	3132	13.3	47	4.6	10.5	17	1/2	1	2200			
4	3168	13.3	48	4.1	10.5	17	1/4	1	2400			
5	3208	13.3	46	4.1	10.5	18	1/4	1	2300			19.9
6	3245	13.3	49	4.5	10.5	17	1/4	1	2000			20.5
7	3245	13.3	48	4.7	10.5	17	1/4	1	2000			20.5
8	3245	13.3	48	4.7	10.5	17	1/4	1	2000			
9	3245	13.3	48	4.7	10.5	17	1/4	1	2000			
10	3245	13.3	48	4.7	10.5	17	1/4	1	2000			
11	3245	13.3	48	4.7	10.5	17	1/4	1	2000			
12	3245	13.3	48	4.7	10.5	17	1/4	1	2000			
13	3245	13.3	48	4.7	10.5	17	1/4	1	2000			
14	3245	13.3	55	5	10.5	17	1/4	1	2000			
15	3245	13.3	53	5	10.5	17	1/4	1	3400			
16	3245	13.3	66	5	10	17	1/4	1	2300			
17	3245	13.3	66	5	10.0	17	1/4	1	2300			
18	3245	13.2+	59	5.3	10.0	17	1/4	1	2500			
19	3245	13.3	50	5.8	9.0	17	1/4	1	4200			
20	3275	13.3	55	9.3	12.0	18	1/2	1/2	4500			
21	3278	13.3	50	7.1	12.0	18	1/2	1/2	4400			
22	3278	13.3	50	7.1	12.0	18	1/2	1/2	4400			
23	3279	13.3	55	6.1	10.5	18	1/2	1/2	4400			
24	NEXT PAGE											

MUD MATERIAL CONSUMPTION

DATE	BARYTE sax	BENTONITE milgel	CMC, sax	CAUSTIC 25 kg sax	mil plate	uni cal	mica (F) (L)	AL stearate	bicarb of soda
DEC 3	324	48		12	3	26	45		
4	270			11		8			
5	189	13		4		8			
6	270	51			3	7		1	
7	216	12		1					
8									
9	81	21	1			3			
10									
11									
12									
13									
14									
15	182	25							
16	135								
17	365								
18	135	16							
19	337	24	1	1					
20	607		5			27			21
21	580	5			2	21			
22	424	24		2		6			
23	135	36	6		2	20			

BITS / HYDRAULICS / PARAMETERS

DATE	BIT NO.	SIZE	TYPE	JETS	HOURS RUN	DEPTH OUT	FOOTAGE (M)	M / HOUR	COND. B	COND. T	COND. G	G.P.M.	PRESSURE P.S.I.	ANNL VEL. FT./MIN.	PUMP HHP	ΔP AT BIT	BIT HHP	JET NOZZLE VEL. FT./SEC.	WT. ON BIT 1000 LBS.	ROTARY R.P.M.	TOTCO AT BIT CHANGE
DEC 3	21	8 15/32	boart	LX16	61 1/4	3144	113	1.84	-	-	-	473	4200	240	1159				25/30	300+	
4	22	8½	SVH	3-16	12	3196	52	4.33	4	4	1	481	2700	250	758	810	227	263	20/40	90	
5	23	8½	SVH	3-16	16	3245	49	3.06	4	4	1	481	2700	250	758	810	227	263	20/40	90	
6														W O W							
7														W O W							
8														W O W							
9														WAIT ON WEATHER							
10														WAIT ON WEATHER							
11														WAIT ON WEATHER							
12														WAIT ON WEATHER							
13														WAIT ON WEATHER							
14														WAIT ON WEATHER							
15														WAIT ON WEATHER							
16														WAIT ON WEATHER							
17														TEST STACK							
18														TEST STACK							
19														RAN NEW SEAL ASSEMBLY							
20	24	8½	M44L	3-16	5½	3278	33	6.00	3	4	1	502	3000	REAM OUT CEMENT. DRILL 10/15						120	
21	21	TURBO		REAMING WITH TURBODRILL																	
22	21	TURBO																			
23	25	8½	M44L	3-14	8½	3279	1		3	1	1	500	3500	250	REAM				5/20	120	

Mobil Oil Corporation — Drilling Summary

Mobil Technical Services Inc.

Company: MOBIL EXPLORATION NORWAY Well: 33/12-5

DATE Mud Report	DEPTH	MUD PROPERTIES: WEIGHT LBS/GAL	FUNNEL VIS, SEC.	API W.L. CC	PH	% SOLIDS	% SAND	% OIL	CL, PPM	O/W RATIO	HT/HP W.L. CC	FL TEMP.	MUD MATERIAL CONSUMPTION: BARYTE bags	BENTONITE bags	CMC, Hivl= la vis bags	CAUSTIC bags	mil plate	uni cal	mica fine	lig con
Dec 24,75	3315	13.3	52	5.1	10.5	18	1/2	1	4400		16.9		450	57	1	5	2	9		
25	3350	13.3	51	5	10.5	18	1/2	2	3500		17.2					8		11		
26	3361	13.3+	51	4.4	10.5	18	3/8	2	2900		16.6		270		1					
27	3450	13.4	55	4.6	12	18	1/2	2	2800		16.6		135	25	1	25			5	
28	3450	13.4	55	4.6	12	18	1/2	2	2800		16.6		NO MATERIALS USED							
29	3450	13.4	55	4.6	12	18	1/2	2	2800		16.6		911	67						
30	3460	13.4	64	5.2	11.5	18	1/2	1.5	2700		16.9		81		2	8		14		
31	3458	13.4	57	5.2	12.0	18	1/4	1.5	2700		16.9		NO MATERIALS USED							
JAN 1 76	3458	13.4	54	5.9	11.5	18	TR	1.5	2700		18.8			48	1					
2	3484	13.4	55	5.7	10.5	19	TR	1.0	2700		18.6		570	26	4		1			
3	3570	13.4	55	5.9	10.5	19	3/8	1.0	2400		18.4		650	19	3	4	1	14		
4	3576	13.4	56	5.5	10.5	19	3/8	1.0	2700		17.6		200	77	6	5	1	36		
5	3600	13.4	55	5.2	10.5	19	3/8	1.0	2500		16.5		135	26	1	4		23		
6	3609	13.4	55	5.7	10.0	19	1/2	1.0	3000		17.4		200	5	1	1				
7	3650	13.4	56	5.4	10.5	19	3/8	1.0	3000		17.3		200	19		4	1	16		
8	3667	13.4	61	5.1	10.5	19	3/8	1	3700		16.5		70	4				2		
9	3739	13.4	57	5.4	10.5	19	3/8	1	2400		16		70			8	1	4		
10	3875	13.4	57	5.6	10.5	19	3/8	1	2000		15.8		911	15		12	1	12		
11	3899	13.4	55	5.4	10.5	19	1/2	1	1800		16		608	60	1			4		
12	3899	13.4	55	5.4	10.5	19	1/2	1	1800		16		338	11		6				
13	3899	13.4	55	5.4	10.5	19	1/2	1	1800		16		NO MATERIALS USED							
14	3901	13.4	60	5.1	10.5	19	1/2	1	1800		16.2		NO MATERIALS USED							
15	4000	13.4	56	5.6	10.5	19	1/2	1.5	1800		16.4		135	60	5	12		13		
16	4066	13.5	56	5.7	10.5	20	1/2	1.5	1800		16.7				4	10		26		
17	4072	13.5	56	5.7	10.5	20	1/2	1.5	1750		16.7		135					15		
18	4072	13.5	56	5.7	10.5	20	1/2	1.5	1750		16.7		162	21	1	4		23		
19	4092	13.4	57	5.3	10.0	20	1/2	1.0	2000		15.2		236				1	20		4
20	4106	13.4	57	5.4	10.0	20	1/2	1.0	2000		15.5		135			6		5		11
21	4106	13.4	55	5.5	10.0	20	1/2	1.0	1800		15.8		120		1	2		8		2
22	4106												NO MATERIALS USED							

BITS: BIT NO.	SIZE	TYPE	JETS	HOURS RUN	DEPTH OUT	FOOTAGE (M)	M / HOUR	CONDITION B	T	G	HYDRAULICS: G.P.M.	PRESSURE P.S.I.	ANNL VEL. FT./MIN.	PUMP HHP	ΔP AT BIT	BIT HHP	JET NOZZLE VEL. FT./SEC.	PARAMETERS: WT. ON BIT 1000 LBS.	ROTARY R.P.M.	TOTCO AT BIT CHANGE
RR21	8 15/32	boarts	Lx16	10	3315	36	3.60				440	4500	250	1155				10/15	90	
26	8½	boarts	Lx14	20	3361	42	2.10				500	2400	270	700				20/27	100/120	
RR21	8 15/32	boarts	Lx16								440	3900	250	1001				15/20	90	
RR21	8 15/32	boarts	Lx16	17	3450	89	5.24				440	3900	250	1001				18/20	60	
W O W																				
RR25	8½	M44L REED	3-13	4	3458	8	2.00	7	2	1	372	2500	200	543	1125	244	308	20/25	70	
27	8½	FP52	3-13																	
27	8½	FP52	3-13																	
27	8½	FP52	3-13																	
27	8½	FP52	3-13	10	3484	26	2.60	4	1	I	372	2500	200	REAM IN STABILIZERS				20/25	70	
RR21	8 15/32	BOARTS	Lx16								430	4150	250	1041				10/35	65	
RR21	8 15/32	BOARTS	Lx16	23	3577	93	4.04	POOR			430	4150	250	1041				10/35	65	
28	8½	X1G	131313	10½	3603	26	2.48	3	6	1	430	2750	250	690	1500	376	355	20/30	125	
29	8 15/32	BOARTS	Lx16	7½	3633	30	4.00				448	4100	250	1072				30/35	75	
30	8½	SEC M44L	3-13	11½	3667	34	2.96	2	6		460	3750	250	1006	1730	464	381	30/40	95	
31	8½	SMITH F2	3-14								460	3300	250	886	1280	344	330	25/40	70	
31	8½	SMITH F2	3-14								460	3300	250	886	1280	344	330	25/40	70	
31	8½	F2	3-14	42	3875	208	4.95	2	2	1	460	3300	250	886	1280	344	330	25/40	70	
32	8½	SMITH F2	3-14								481	3600	250	1010	1400	393	345	30/40	60/70	
		RUN E LOGS			W O W															
		W O W																		
		W O W																		
32	8½	F2	3-14							IN	494	3600	270	1038	1470	424	354	30/40	60/70	
32	8½	F2	3-14	56½	4073	198	3.50	7	7	1	494	3600	270	1038	1470	424	354	40	70	
PRESSURE TEST STACK																				
PRESSURE TEST SEAL ASSEMBLY																				
33	8½	M44L	3-14	8½	4106	33	3.88	8	8		494	3600	270	1038	1470	424	354	40	100	
		FISHING FOR 3 CONES																		
		FISHING	WAIT ON WEATHER																	
			WAIT ON WEATHER																	

Mobil Oil Corporation Mobil Technical Services Inc.

Company MOBIL EXPLORATION NORWAY Well 33/12-5

Drilling Summary

DATE 1976 Mud Report	DEPTH meters	MUD PROPERTIES: WEIGHT LBS/GAL	FUNNEL VIS, SEC.	API W.L. CC	PH	% SOLIDS	% SAND	% OIL	CL, PPM	O/W RATIO	HT/HP W.L. CC	FL TEMP.	MUD MATERIAL CONSUMPTION: BARYTE bags	BENT-ONITE bags	CMC, bags	CAUSTIC bags	unical	mil-plate	lig-con	mica fine	sodium dichromate
Jan 23	4106	13.4	54	4	10.0	20	1/2	1	3000		15.8		135			12					
24	4119	13.4	55	4.2	10.5	20	1/2	1	2800		17		742	33		12					
25	4122	13.4	55	4.2	10.5	20	1/2	1	2800		17		135	17	1	2					
26	4125	13.4	60	4.6	10.0	20	1/2	1/2	4000		17		NO MATERIALS USED								
27	4188	13.2	54	5	10.5	20	1/2	2	3800		17.4		810	93		26	8	2	12	82	
28	4195	13.2	58	5.0	10.5	20	1/2	2	3800		17.4		135	26						15	
29	4203	13.2	56	5.4	10.5	20	1/2	2	3600		16.8		50			4	17		6		
30	4203	13.2	57	5.4	10.5	20	1/2	2	3600		16.8		135	75	1	2					
31	4243	13.2	55	5.6	10.5	20	1/2	2	3200		16.9					12			7		
FEB 1	4354	13.2	56	5.8	10.5	20	1/2	2	2600		17.0		200	30	6	9	10		6		
2	4458	13.2	56	5.9	10.5	21	1/2	1.5	2200		17.5				8	12	16	1	28		
3	4495	13.2	55	5.8	10.5	21	1/2	1.5	2200		17.1		81				13				
4	4574	13.2	52	5.8	10.0	21	1/2	1	2200		17.4		135	57	4	6	18	1	39		
5	4574	13.2	52	5.8	10.0	21	1/2	1	2200		17.4						20				
6	4574	13.2	60	4.8	10.5	21	1/2	1.5	2200		17.4					12		1	13		8
7	4574	13.2	60	4.8	10.5	21	1/2	1.5	2200		17.4			NO MATERIALS USED							
8	4574	13.2	60	4.8	10.5	21	1/2	1.5	2200		17.4			NO MATERIALS USED							
9	4574	13.2	60	4.8	10.5	21	1/2	1.5	2200		17.4			NO MATERIALS USED							
10	4574	13.5	52	5.6	10.0	21	3/8	1.0	2000		17.4		945								
11	4574	13.5	52	5.8	9.5	21	3/8	1.0	1900		-		300								
12	PB2783	13.5	67	7.2	12.0	21.0	1/2	1.0	2200		-			NO MATERIALS USED							
13	PB2783	13.5	67	7.2	12.0	21.0	1/2	1.0	2200		-			NO MATERIALS USED							
14	PB2783	13.5	53	7.4	12.0	21.0	1/2	1.0	2400		-		162								
15	PB2783	13.5	55	7.8	11.5	21.0	1/2	1.0	2300		-		80								
16	PB2783	13.2	51	6.8	10.0	20.0	1/4	1.0	2800		-		678	47	2	1					
17	PB2783	13.2	62	7.0	11.0	20.0	1/4	1.0	2800		-		105	15							
18	PLUGGED	12.5	73												5		8		1	(2)	

BITS: BIT NO.	SIZE	TYPE	JETS	HOURS RUN	DEPTH OUT	FOOTAGE (M)	M / HOUR	CONDITION B	T	G	HYDRAULICS: G.P.M.	PRESSURE P.S.I.	ANNL VEL. FT./MIN.	PUMP HHP	ΔP AT BIT	BIT HHP	JET NOZZLE VEL FT./SEC.	PARAMETERS: WT. ON BIT 1000 LBS.	ROTARY R.P.M.	TOTCO AT BIT CHANGE
		FISHING FOR THREE CONES																		
34	8½	sec M44J	3x16	5½	4119	13	2.36	1	7		481	2850	230	800	820	230	264	35	75	
35	8½	reed FP52J	3x14	32½	4195	76	2.34	5	2		500	3500	270	1021	1510	440	358	30/40	60/70	
		WAIT ON WEATHER																		
		WAIT ON WEATHER																		
36	8 15/32	RUN IN																		
		WAIT ON WEATHER																		
		WAIT ON WEATHER																		
36	8 15/32	turbo drill									480	3900	255	1092					60/600	
36	8 15/32	boarts									500	3800	255	1108				20	60/600	
36	8 15/32	boarts									500	3800	255	1108				15/20	60/600	
36	8 15/32	boarts									500	3800	255	1108				15/20	60/600	
36	8 15/32	boarts									500	3900	255	1138				20	60/600	
36	8 15/32	boarts	Lx16	88	4574	379	4.31	good			502	3900	255	1142				15/20	60	
37	8½	reed S21	3x16		CLEAN OUT TRIP															
LOGGING																				
LOGGING																				
W O W - FISHING																				
FISHING - WOW																				
W O W - RAISE WT TO 13.5 no/gal																				
pull upper package																				
run upper package																				
pull seal assembly																				
RUN DST no 1																				
TRY TO RUN EZY DRILLS																				
RUN IN EZY DRILL W O W																				
INVENTORY ADJUSTMENTS (PLUGGED)																				