Mobil Oil Corporation

INTERNATIONAL DIVISIONS
E & P TASK FORCE UNITS

Company MOBIL EXPLORATION NORWAY INC. Well 33/12-2 V PAGE 1 OF 2

Drilling Summary

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	°C FL. TEMP.	MUD MATERIAL CONSUMPTION: BARYTE LBS.	BENT-ONITE LBS.	CMC. LBS.	CAUSTIC LBS.	FCL RD 555	SODA ASH	SAPP	CHROM-ATE	MICA	DRIS-PAC	DRILL. DETERG. GAL.	DE-FOAMER GAL.	BICARB	LUBRI-KLEEN	SPOTT. FLUID	BITS: BIT NO.	SIZE	TYPE	JETS	HOURS RUN	DEPTH OUT	FOOT-AGE	FEET/ HOUR	COND-TION B	T	G	HYDRAULICS: G.P.M.	PRES-SURE P.S.I.	ANNI. VEL. FT./MIN.	PUMP HHP	△P AT BIT	BIT HHP	JET NOZZLE VEL. FT./SEC.	PARAMETERS: WT. ON BIT 1000 LBS.	ROTARY R.P.M.	TOTCO AT BIT CHANGE
JUNE 15	V 2240	9.0	48	8.0	11.0	6	1/2	0	3600			29	41590	17214 2		2750	3850	3850	1100																														
16	V 4100	9.0	41	6.0	10.0	6	1/4	0	2500			29	35102	1760		1210	4400	440	220																														
17	5300	9.0	42	6.0	10.0	6	1/4	0	1600			29		15290		1650	5720	1430										2	17 1/2	HTC OSC=3J	18-18-18	54	5300	3650	67.59	4	4	I	840	2500	73	1225	1080	529	360	20/25	150	1 1/2°
18	5300	9.0	42	6.0	9.5	6	1/4	0	1800			29	12000	1320	110	440	6160																																
19	V 5300	9.0	80	5.4	11.0	8	1/4	0	1800			29																																				
20	CMT BACK 5248	9.1	42	8.0	11.0	6	1/4	0	2000			31	37431	7150		660	1375	440				150																											
21	5466	9.3	47	8.2	11.0	8	3/4	0	2500			30	6000				1100	1100										3	12 1/4	SEC S33	12-12-14	2	5466	166	83	T	1	I	636	3000	130	1113	2550	946	550	20	150	
22	V 6450	9.5	38	8.0	9.5	7	1/4	0	1500			30		1100			3960																																
23	7183	9.5	38	8.2	9.0	8	1/2	0	1500			29.6		880			2750	1320										4	12 1/4	SEC S33	12-12-14	33 1/3	7185	1719	51.31	4	4	I	624	3000	125	1092	2500	910	540	15/35	150	1°
24	V 7432	13.5 12.8	Sg shoe 43 Down hole	6.0	9.5	25	1 1/2	0	1800			31	416049	990		220	5500	770																																
25	7432	13.1	41	5.0	11.0	23	1 1/4	0	1700			29	41488	660		220	1100											5	12 1/4	HTC XIGJ	13-13-13								540	3000	121	1032	2700	929	435			
26	7540	13.4	45	5.0	10.0	25	1/2	0	1700			29.2	220500	5060		660	2640	660		1265	7500																												
27	7680	13.5	44	5.0	9.5	25	1/2	0	1700			29.3	279391	9327		880	4950	330			2500																												
28	7734	13.5	43	5.0	10.0	25	1/2	0	1600			29.2	4000			440	1650											PR5	12 1/4	HTC XIGJ	OPEN	22	7734	302	13.73	4	5	I	420	1000	82	245				35	150	1/2°
29	V 8175	13.5	48	5.0	10.0	24	1/2	0	1600			29.6	56458	3740		660	5775	550										6	12 1/4	HTC X3J	14-14-14	23	8251	517	22.48	5	3	I	528	3000	104	924	1700	523	380	35	200	
30	8365	13.5	43	4.8	9.5	24	1/2	0	1600			29.8	145707	4180		220	2475																																
JULY 1	8653	13.5	43	4.8	10.0	24	1/2	0	1400			29.7	21708	2073		440	2475						55					7	12 1/4	SEC S33	12-14-14	17 1/2	8654	403	23	4	5	I	498	2750	98	799	1950	566	390	40	150	1/4°
2	V 8701	13.5	44	5.6	9.0	24	1/4	0	1500			28.7	65812				1375											8	8 15/32	CHRIS C-22		7	8702	48	6.85	GOOD			210	1200	41	147				20	100	
3	8912	13.5	42	4.3	9.5	24	1/2	4	1200			28.8	36002			330	825											9	12 1/4	HTC XIGJ	14-14-14	10	8870	216	21.6	3	3	I	516	2750	102	828	1650	497	370	35/40	160/190	
4	V 8939	13.5	42	4.3	9.5	24	1/2	4	1300			29.0	3834				550											PR8	8 15/32	CHRIS C-22		3 1/2	8919	49	14	GOOD			216	780	42	98				14/17	130	
5	V 9306	13.5	49	3.6	9.5	26	3/4	6	1300			33	3834	550		550	1210											PR8	8 15/32	CHRIS C-22		2 1/2	8939	20	8.0	WORN			216	1000	42	126				15/20	130/108	
6	9541	13.5	50	3.8	9.5	25	1/2	6	1000			35	47551			220	660						385					10	12 1/4	HTC XIGJ	14-14-14	17 1/2	9306	367	20.97	5	4	I	528	3000	104	924	1700	523	380	25/40	150	3/4°
7	9541	13.5	50	3.8	9.5	25	1/4	6	1000			45																11	12 1/4	HTC XIGJ	14-14-14	11	9541	235	21.36	7	6	I	528	3000	104	924	1700	523	380	30/40	150	1°
12	V 9565	13.5	44	3.8	9.0	23	1/4	6	1000			36	470086	22943		1210	13970	1870	880				275		1550			12	8 1/2	SMITH SDG	12-12-12	17 1/2	9772	192	10.97	5	5	I	420	3000	235	735	2000	490	405	20/35	80/85	3/4°
13	9772	13.5	48	5.0	10.5	23	1/2	4	2500			36																																				
14	10030	13.5	50	3.8	10.5	24	1/8	5	2100			35	22884	660	220	440	3685	1540					110																										
15	10360	13.5	49	4.0	10.5	24	1/8	5	1900			45	36343	880		440	3520	1320					55		880																								
16	V 10711	13.0	45	4.0	10.0	25	1/4	3	1200			42	23890	1650				770																															
17	11000	12.5	45	4.3	10.0	22	1/4	2	1200			43		1430			2915						110																										
18	V 11550	12.5	48	4.5	10.5	20	1/4	2	850			40					330									110		13	8 1/2	CHRIS MT-501		124 1/2	11580	1808	14.52	USED 80%			484	32/3600	255	903				5/30	600/100	063/4

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Company Mobil Exploration Norway Inc. Well 33/12-2 V PAGE 2 OF 2

Drilling Summary

DATE Mud	DATE 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	°C FL TEMP.	MUD MATERIAL CONSUMPTION: BARYTE LBS.	BENT-ONITE LBS.	CMC, LBS.	CAUSTIC LBS.	FCL RD 555	SODA ASH	SAPP	CHROM-ATE	MICA	DRILL. DETERG. GAL.	DE-FOAM. GAL	BICAR.	LUBRI-KLEEN	SPOTT. FLUID	EMULSI-FIER	BITS: BIT NO.	SIZE	TYPE	JETS	HOURS RUN	DEPTH OUT	FOOT-AGE	FEET/ HOUR	COND-TION B	T	G	HYDRAULICS: G.P.M.	PRES-SURE P.S.I.	ANNI. VEL. FT./MIN.	PUMP HHP	△P AT BIT	BIT HHP	JET NOZZLE VEL. FT./SEC.	PARAMETERS: WT. ON BIT 1000 LBS.	ROTARY R.P.M.	TOTCO AT BIT CHANGE
JULY	19	11580	12.5	48	5	9.5	22	1/4	2	1050	2/76		35																14	8 1/2	CHRIST MT-501																		
	20	11957	12.5	48	5	9.5	22	1/4	2	1050	2/76		35	10390	880			2530	660										14	8 1/2	"																		
	21	12268	12.7	46	4.8	9.5	20	1/4	2	1250	2/78		39		770			3025											14	8 1/2	"																		
	22	12400	12.5	46	4.6	9.5	20	1/2	2	1150	2/78		37		2750	165	440	440								55			14	8 1/2	"		61 1/2	12400	820	13.33				480	3000/3500	252	840				25/30	65	7°
	23	12400	12.5	42	4.6	9.5	20	1/8	2	1400	2/78		37														Free-Pipe 165gal		14	8 1/2	"																		
	24	12611	12.3	47	4.0	10.0	18	1/8	8	1400	10/90		37.3	21168	1430	495	1100	3300					110						15	8 1/2	"																		
	25	12833	12.1	47	4.0	10.5	19	1/4	7	1300	9/91		38.5		550		440	1045					55						15	8 1/2	"		33 1/2	12833	433	18.92													
	26	12989	12.2	47	4.2	10.0	19	1/4	7	1300	9/91		45.3	10800	440			990											16	8 1/2	CHRIST TB-13																		
	27	13309	12.2+	47	5.0	9.5	20	1/4	6	1000	7/93		51.1	3058	880		440	1320					55						16	8 1/2	"																		
	28	13757	12.2+	48	5.0	9.5	22	1/4	6	1000	7/93		48.9		660		660	1375	440										16	8 1/2	"																		
	29	13950	12.2+	48	5.0	10.0	22	1/8	6	1000	7/93		45.7		1540		1320	3795	1540					30					16	8 1/2	"		72 1/2	13945	1117	15.41													
	30	13950	12.3	53	5.8	10.0	17	1/8	6	1500	7/93		No CIRC.																																					
	31	14070	12.3	47	5.2	9.5	20	1/4	8	1500			47.3	67400				3025	990				55						17	8 1/2	SMITH SVH	12-12-12	15	14076	131	8.73				449		163								
AUG.	1	14160	12.2+	45	5.4	9.5	18	1/8	8	1000			36.0																18	8 1/2	"	12-12-12	14½	14171	84	5.79				528		192								
	2	14270	12.2	45	5.4	9.5	20	1/4	8	1050			43.0		770								110	Al.Ster. 55		-			19	8 1/2	CHRIST MT-501									528		192								
	3	14285	12.3	49	5.2	9.0	22	1/4	8	1050			40	36363		220	220		440										19	8 1/2	"		19	14285	124	6.53													
	4	13169	13.0	40	7.2	10.0	23	1/4	4	1500			39	76695	550		440						55																			166							
	5	14285	12.7	44	5.8	10.0	23	1/4	3	2000				36464	8800	220	330	550					110			55	IMCO SPOT No.5000																						
	6	14285	12.6	45	4.8	10.0	22	1/4	3	2000				6950	1100	440		990					55																	374		136							
	7	14285	12.7	46	4.0	10.5	22	1/8	2	2400				40000	660		220	1650									IMCO SPOT No.2500																						
	8	14285	12.6	46	3.8	10.5	21	1/8	7	2500				13500			220	2098										110																					
	9	14285	12.6	44	4.0	10.5	21	1/8	7	2500							550	1045																																
	10	13640	12.6	44	4.0	10.0	21	1/8	7	2500							220	1925																																
	11	9400 P.B.	12.6	44	4.0	10.0	23	1/8	7	2500					1406	385		715	220						550																									
	12	9400 P.B.	13.5	46	4.5	10.0	23	1/8	7	2500				54000				1595																																
	13	9190 P.B.	13.5	43	4.7	10.0	23	1/4	7	2300				40850																																				
	14	9190 P.B.	13.5	45	4.7	10.0	24	1/8	6+	2300				39954																																				
	15	9190 P.B.	13.5	43	5.2	9.5	23	1/8	7	2300																																								
	16	8950 P.B.	13.5	43	5.2	9.5	23	1/8	7	2300				40000																																				
	17	8600 P.B.	13.5	48	5.3	9.5	24	1/8	6	2300				25050					3850						330																									
													TOTALS	2550302		2255		116333		2200		10000	1595	30	3310	220	165	110																						
															276971		20240		24530		1265			55				10000																					

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