

MOBIL EXPLORATION NORWAY INC.

WELL 35/11-2

RFT RESULTS

Date/Run No.	Depth RKB	Hydrostatic Mud Pressure psia	Formation Pressure (HP gauge)		Temp. °F	Remarks
			psia	M pa		
10/9/87/Run 1						
1	3371.00	7541.5	-	-	209.2	DRY
2	3370.51	7535.4	-	-	213.9	DRY
3	3373.10	7544.5	7563.4	52.150	216.2	POSSIBLE SUPERCHARGING } TOOL ON POSSIBLE SUPERCHARGING } BOTTOM
4	3372.49	7540.4	7551.1	52.065	219.7	
5	3371.49	7533.0	-	-	221.7	SEAL FAILURE
6	2995.94	6673.2	4711.1	32.483	186.4	POOR PERMEABILITY - NONSTABILIZED (14 MIN.)
7	3018.45	6733.6	-	-	184.8	DRY
8	3041.45	6788.8	4666.4	32.175	186.8	
12-13/9/87/Run 2						
1	2945.50	6780.4	-	-	188.4	DRY
2	2978.51	6855.1	-	-	189.0	DRY
3	2981.81	6858.4	-	-	189.6	DRY
4	2992.01	6881.1	-	-	190.1	DRY
5	2996.00	6888.4	-	-	190.5	DRY
6	3003.50	6905.5	-	-	190.7	DRY
7	3011.00	6923.9	-	-	191.3	SEAL FAILURE
8	3019.94	6945.4	-	-	193.0	DRY
9	3028.01	6962.5	-	-	194.6	DRY
10	3033.01	6972.4	-	-	196.4	SEAL FAILURE
11	3033.98	6974.0	-	-	197.9	SEAL FAILURE
12	3037.49	6981.0	4662.9	32.151	198.5	
13	3039.01	6983.4	4720.6	32.549	199.3	SUPER CHARGED
14	3040.99	6986.6	4665.2	32.167	199.8	SAMPLE: GAS+FILTRATE, TR LIGHT OIL
15	3039.99	6975.0	(4825.1)	33.269	202.8	SUPERCHARGED
16	3040.50	6975.7	(2773.0)	19.120	203.1	POOR PERMEABILITY -WEAK FLOW, NONSTABILIZED
17	3041.51	6977.6	4664.2	32.160	203.3	
18	3042.00	6978.5	4665.2	32.167	203.5	
5-6/10/87/Run 3, 4, 5						
1	3377.00	7565.8	7074.9	48.781	230.1	GOOD PERMEABILITY
2	3390.99	7593.8	7085.3	48.853	229.9	GOOD PERMEABILITY
3	3395.99	7612.1	7167.3	49.419	231.1	POOR PERMEABILITY
4	3399.50	7613.1	-	-	232.1	DRY
5	3399.98	7615.9	-	-	232.6	DRY
6	3407.21	7625.4	7124.2	49.121	233.2	GOOD PERMEABILITY
7	3422.51	7673.7	7163.2	49.390	233.9	FAIR PERMEABILITY SUPERCHARGED
8	3428.48	7681.1	7135.7	49.201	235.5	GOOD PERMEABILITY
9	3436.19	7701.6	-	-	236.8	DRY
10	3437.51	7701.7	7191.6	49.586	237.6	POOR PERMEABILITY ?SUPERCHARGED
11	3482.49	7801.7	7180.4	49.509	239.8	GOOD PERMEABILITY
12	3502.49	7847.4	-	-	241.1	DRY
13	3502.00	7849.6	-	-	242.2	DRY
14	3524.98	7909.6	7197.9	49.586	242.9	GOOD PERMEABILITY
15	3535.01	7921.6	7203.9	49.671	243.7	GOOD PERMEABILITY
16	3540.98	7933.9	7208.2	49.701	244.4	GOOD PERMEABILITY
17	3544.00	7940.7	(7247.6)	49.972	245.5	POOR PERMEABILITY ?SUPERCHARGED
18	3551.00	7956.9	7217.0	49.761	246.7	GOOD PERMEABILITY
19	3561.99	7978.7	7246.8	49.967	247.1	FAIR PERMEABILITY
20	3571.98	8002.8	(7513.6)	51.806	247.8	POOR PERMEABILITY SUPERCHARGED
21	3572.50	8005.7	-	-	248.3	DRY
22	3639.98	8162.15	7381.3	50.894	248.9	FAIR PERMEABILITY
23	3672.99	8227.3	-	-	251.3	DRY
24	3768.00	8429.1	-	-	254.7	SEAL FAILURE
25	3769.01	8439.2	7534.1	51.948	256.4	FAIR PERMEABILITY
26	3812.50	8537.5	(7588.6)	52.323	258.4	POOR PERMEABILITY - NON STABILIZED
27	3963.99	8873.9	(8544.0)	58.911	276.2	SUPERCHARGED
28	3524.98		HP GAUGE	NOT REG.	245.8	SEGREGATED SAMPLE: GAS + LIGHT OIL
29	3377.00	7547.6	7070.5	48.751	236.9	SEGREGATED SAMPLE: MINOR GAS + MUD
30	3430.54	7691.9	(7227.4)	49.833	230.5	POOR PERMEABILITY - SUPERCHARGED
31	3449.21	7726.8	7162.3	49.384	232.7	FAIR PERMEABILITY ?SUPERCHARGED
32	3480.48	7804.4	7205.6	49.683	234.7	FAIR/LOW PERMEABILITY ?SUPERCHARGED
33	3485.48	7812.7	7184.7	49.539	237.1	GOOD PERMEABILITY
34	3481.05	7790.8	7179.7	49.504	240.6	SEGREGATED SAMPLE: GAS + LIGHT OIL

FIGURE No. 2-14

MOBIL EXPLORATION NORWAY INC.

WELL 35/11-2

RFT SAMPLE ANALYSIS

SAMPLE 1. 3040.99 RKB.

2 3/4 gallon chamber: 2400 psi, 27 cu ft gas, 7300 cc fluid (filtrate and light oil film).

1 gallon chamber: 2000 psi, 136 litres gas, 1500 cc fluid (filtrate and light oil film).

Gas analysis (2 3/4 gallon chamber):

$C_1 = 122,185$ ppm, $C_2 = 7,656$ ppm, $C_3 = 3,732$ ppm, $iC_4 = 473$ ppm,

$nC_4 = 1,055$ ppm.

SAMPLE 2. 3377.00 RKB.

2 3/4 gallon chamber: 1300 psi, 4.3 cu ft gas, 11,200 cc fluid (mud filtrate).

1 gallon chamber: 1600 psi, 2.5 cu ft gas, 3700 cc fluid (mud filtrate), density 1.01 gm/cc.

Gas analysis (1 gallon chamber):

$C_1 = 687,560$ ppm, $C_2 = 208,270$ ppm, $C_3 = 172,850$ ppm, $iC_4 = 23,090$ ppm,

$nC_4 = 50,633$ ppm.

SAMPLE 3. 3481.05 RKB.

2 3/4 gallon chamber: 3000 psi, 52.7 cu ft gas, 5000 cc fluid (condensate).

1 gallon chamber: 3000 psi, 26.2 cu ft gas, 1000 cc fluid (condensate), density 0.85 gm/cc.

Gas analysis (1 gallon chamber):

$C_1 = 1,020,400$ ppm, $C_2 = 81,259$ ppm, $C_3 = 45,208$ ppm, $iC_4 = 6,497$ ppm,

$nC_4 = 13,786$ ppm.

SAMPLE 4. 3524.98 RKB.

2 3/4 gallon chamber: 2600 psi, 72.3 cu ft gas, 2800 cc fluid (condensate).

1 gallon chamber: 2600 psi, 24.5 cu ft gas, 1300 cc fluid (condensate), density 0.802 gm/cc.

Gas analysis (1 gallon chamber):

$C_1 = 976,760$ ppm, $C_2 = 79,680$ ppm, $C_3 = 52,976$ ppm, $iC_4 = 8,184$ ppm,

$nC_4 = 9,313$ ppm.

MOBIL EXPLORATION NORWAY INC.

WELL 35/11-2

DST RESULTS

DST No.: 1
RESULTS:

INTERVAL: 3551-3559 mRKB

RESERVOIR TYPE: WATER
RESERVOIR PRESSURE: 7238 PSIA AT MID PERFORATIONS

FLOW PERIOD	CHOKE SIZE (in)	GAS RATE (MMSCF/D)	WATER RATE (STB/D)	G.O.R. (SCF/STB)	YIELD (STB/MMCF)	FLOWING BHP (PSIA)
CLEAN UP	28/64	N/A	2283	N/A	N/A	5399
MAIN	28/64	0.060	1980	30	N/A	5305

DST No.:2B
RESULTS:

INTERVAL: 3523.5-3541.5 mRKB

RESERVOIR TYPE: GAS/CONDENSATE
RESERVOIR PRESSURE: 7205 PSIA AT MID PERFORATIONS

FLOW PERIOD	CHOKE SIZE (in)	GAS RATE (MMSCF/D)	COND. RATE (STB/D)	G.O.R. (SCF/STB)	YIELD (STB/MMCF)	FLOWING BHP (PSIA)
CLEAN UP	40/64	19.532	3040	6425	156	6159
1st	20/64	7.400	1020	7255	138	6879
2nd	28/64	10.511	1504	6989	143	6725
3rd	36/64	12.344	1794	6881	145	6634
4th	48/64	13.029	1759	7407	135	6590

DST No. 3
RESULTS:

INTERVAL: 3477-3486.5 mRKB

RESERVOIR TYPE: GAS/CONDENSATE
RESERVOIR PRESSURE: 7185 PSIA AT MID PERFORATIONS

FLOW PERIOD	CHOKE SIZE (in)	GAS RATE (MMSCF/D)	COND. RATE (STB/D)	G.O.R. (SCF/STB)	YIELD (STB/MMCF)	FLOWING BHP (PSIA)
CLEAN UP	32/64	15.715	2928	5367	186	6294
1st	20/64	8.140	1379	5903	169	6803
2nd	28/64	13.781	2211	6233	160	6473
3rd	36/64	17.446	3107	5615	178	6244
4th	40/64	18.755	3210	5843	171	6164

DST No. 4
RESULTS:

INTERVAL: 3427-3432 mRKB

RESERVOIR TYPE: GAS/CONDENSATE
RESERVOIR PRESSURE: 7142 PSIA AT MID PERFORATIONS

FLOW PERIOD	CHOKE SIZE (IN)	GAS RATE (MMSCF/D)	COND. RATE (STB/D)	G.O.R. (SCF/STB)	YIELD (STB/MMCF)	FLOWING BHP (PSIA)
CLEAN UP	32/64	14.383	2338	6152	163	5811
1st	20/64	8.107	1219	6651	150	6580
2nd	28/64	12.571	2021	6220	161	5925
3rd	36/64	15.137	2410	6281	159	5313
4th	44/64	14.210	2674	5314	188	4480

DST No. 5
RESULTS:

INTERVAL: 3374-3378 mRKB

RESERVOIR TYPE: OIL/GAS
RESERVOIR PRESSURE: 7067 PSIA AT MID PERFORATIONS

FLOW PERIOD	CHOKE SIZE (in)	GAS RATE (MMSCF/D)	OIL RATE (STB/D)	G.O.R. (SCF/STB)	YIELD (STB/MMCF)	FLOWING BHP (PSIA)
CLEAN UP	32/64	5.767	2348	2456	N/A	N/A
MAIN	32/64	6.264	2611	2399	N/A	4173

MUD VOLUME DISTRIBUTION SUMMARY



Operator: Mobil Exploration Norway

Well: 35/11-2

Rig: Treasure Scout



Hole size	Interval m			Mud/Brine bbl						Cuttings volume drilled m ³	Interval Mud Type
	Spud Depth	TD depth	Length	Built	Dumped	Lost to formation	Lost over solios control equip.	Left behind casing	Transfer to next section		
36"	394	550	156	11.937	11.680				257	99.16	Spud mud
26"	550	1026	476	9.362	9.619					163.4	Spud mud
17 1/2"	1026	2195	1169	19.734	3.015		16.419	300		181.5	Seawater, gal. lignosulfonate
12 1/4"	2195	3369	1174	10.503	2.301	1.418	5.182	270	1332	89.29	Seawater, low solids polymer
8 1/2"	3369	4025	656	4.425	353	10	1.486	0	2576	24.03	Seawater, low solids polymer
8 1/2"				2.454	2.904	758	49	0	0		Seawater, low solids polymer
TOTALS				58.415	29.872	2.186	23.136	570		557.38	

Total Mud/Brine left in hole + behind casing: 3.221 bbl

Total Mud/Brine to sea: 53.008 bbl



Daily Material Usage

Operator Mobil Exploration Norway Inc.

Well 35/11-2

26" Section

Date 1987	Barite MT	Bentonite MT	Caustic 25 kg	Soda Ash 50 kg	Borrie- well 25 kg									Volume made bbl	Volume used bbl	Volume balance	Cost		Remarks
																	Daily	Cumulative	
26.07																257		589.10	Transferred from 36"
26.07	15	18	10	3										1311	107	1461	4810.50	5399.60	
27.07															183	1278	0	5399.60	
28.07		23	4	1										620	968	930	4614.30	10013.90	
29.07	28	7	5	3	1									837	852	915	3532.75	13546.65	
30.07	17	17	9	2	1									1560	1077	1398	4742.55	18289.20	
31.07	9	20	12	3										1925	1933	1390	4793.40	23082.60	
01.08	114	7	12	3	5									1679	1630	1439	9894.40	32977.00	
02.08	130	39	8	2	2									1430	2174	695	17292.60	50269.60	
03.08	40	4												0	695	0	5692.00	53961.60	
Totals	353	135	60	17	9									9619	9619	0		53961.60	\$5.61 /bbl



Daily Material Usage

Operator Mobil Exploration Norway Inc.

Well 35/11-2

17 1/2" Section

Date 1987	Barite MT	Bentonite MT	Caustic 25 kg	Borrelwell 25 kg	Bicarb 50 kg	Wyo. Bento. 100 lb								Volume made bbl	Volume used bbl	Volume balance bbl	Cost		Remarks	
																	Daily	Cumulative		
04.08		7	24	12										1110	0	1110	1798.80	1798.80	Mix new mud	
05.08	18	16	7											385		1495	4549.65	6348.45		
06.08	7	10		24										0	0	1495	2787.50	9135.95		
07.08	72	14	13	12	15									1593	142	2946	8551.35	17687.30		
08.08	172	19	13	23										2312	2259	2999	16661.85	34349.15		
09.08	115	24	26	33										2369	2109	3259	13786.70	48135.85		
10.08	155	22	34	36										2910	2860	3309	16415.80	64551.65		
11.08	116	17	22	25										1971	1598	3682	12329.40	76881.05		
12.08	121	20	26	24										1532	1670	3544	13317.20	90198.25		
13.08	146	18	27	25										2335	2300	3579	14757.15	104955.40		
14.08	170	17	40	28										2060	1834	3805	16479.00	121434.40		
15.08	110	7	15	8										897	935	3767	9625.25	131059.65		
16.08	9													172	313	3626	652.50	131712.15		
17.08	15		26	32										88	289	3425	1772.20	133484.35		
18.08			6	11		*83								0	3425	0	1703.01	135187.36	* Used in mix water for cement job	
Totals	1226	191	279	293	15									19734	19734			135187.36		
						*83 sacks Wyoming Gel	used in cement water												1499.81	
						not part of mud costs								19734					133687.55	\$6.77/bbl



Daily Material Usage

Operator Mobil Exploration Norway

Well 35/11-2

12 1/4" Section

Date 1987	Barite MT	Bento. MT	Bore-well 25 kg	Dextrid 25 kg	Soda Ash 50 kg	Caustic 25 kg	Soltex 50 lb	Barpol 47R 25 kg	Bicarb 50 kg	PAC	Gypsum	Baradefcan	Con Det	Walnut	W 300	XCD 25 kg	Line 20 kg	Made bbl	Used bbl	Balance bbl	Cost		Remarks
																					Daily	Cumulative	
19.08	48	11	24	241	8	92	204	62										2171	0	2171	28523.60	28523.60	
20.08	43	5		80	3	20	80	54	10									1086	306	2951	14733.00	43256.60	
21.08	17	3	4	50	1	8	36		10	18								325	407	2869	6655.40	49912.00	
22.08	17	4	4	50	2	2	26		6	38	2							525	352	3042	7617.78	57529.78	
23.08	17	3	4	33		4	26			20	4	1						429	309	3162	5827.66	63357.44	
24.08	35		2			10							6	6				58	0	3220	3452.00	66809.44	
25.08	17		3	34	1	22	28	14				7	12					292	281	3231	7707.80	74517.24	
26.08	97	9	9	115	3	15	95	50										979	1052	3158	20616.75	95133.99	
27.08	2		6	38	1	10		26										357	309	3206	3089.00	98222.99	
28.08						5										5		0	125	3081	1154.75	99377.74	
29.08	25	5	9	26	4	22		32							2			730	529	3282	6497.90	105875.64	
30.08	16		6	12	1	16		16										340	333	3289	2818.70	108694.34	
31.08	6		3	13	1	16		16										325	130	3484	2082.20	110776.54	
01.09	53	3	3	10	1	5		13										356	421	3419	5682.75	116459.29	
02.09	21		3			11		6						1				45	181	3283	2485.45	118944.74	
03.09	37		6	20	2	18		28										650	420	3513	5396.60	124342.34	
04.09				20	2	15		26										560	546	3527	2472.25	126814.59	
05.09	21	5	3	8	1	7		16										346	485	3388	3931.15	130745.74	
06.09		3	4	12	1	13		18						1				370	311	3447	2729.85	133475.59	
07.09	72					12											1	106	65	3488	5356.24	138831.83	
08.09	138					6											8	204	104	3588	10109.42	148941.25	
09.09	58					6		20									14	85	73	3600	5688.46	154629.71	
10.09																		0	5	3595		154629.71	



Daily Material Usage

Operator Mobil Exploration N.

Well 35/11-2

12 1/4" continued

Date 1987	Barite	Bentonite	Borrelwell	Dextrin	Soda Ash	Caustic	Soltex	Barpol	Bicarb	PAC	Gypsum	Paradeban	Con Det	Walnut	W300	XCD	Lime	Wyo. Bento.	Made bbl	Used bbl	Balance	Cost		Remarks
																						Daily	Cumulative	
10.09																					3595		154629.71	
11.09	35					1		5									5		51	27	3619	2910.15	157539.86	
12.09	30					4													44	215	3448	2218.80	159758.66	
13.09						4											3		0	57	3391	58.32	159816.98	
14.09			14			10											6		0	0	3391	313.54	160130.52	
15.09	53																	20	69	2128	1332	4240.10	164370.62	
Totals	858	51	119	762	32	354	495	402	26	76	6	8	18	6	2	7	37	20	10503	9171	1332		164370.62	
			6 MT Barite and 20																				832.60	
																							163538.02	\$15.57/bbl
																							142792.4/	
																							20745.55	

6 MT Barite and 20 sx Wyoming Bentonite used in cement mix water

10503

Mud used on this interval

9171

transferred to next interval

1332



Daily Material Usage

Operator Mobil Exploration Norway Inc.

Well 35/11-2

8 1/2" Section

Date 1987	Barite MT	Bento. MT	Barpol L/R	Borre- well 25 kg	Dextrin 25 kg	Caustic 25 kg	Soda Ash 50 kg	Bicarb 50 kg	XCD 25 kg	PAC R 25 kg	Lime 20 kg	Lime 40 kg	Surflo B21	Gypsum	Made bbl	Used bbl	Balance bbl	Cost		Remarks
																		Daily	Cumulative	
16.09																	1332		20745.55	Transferred from 12 1/4" Section
16.09	137	11	64	14	80	8	5	2							1400	2	2730	18891.20	39636.75	
17.09	46							12							67	48	2749	3548.60	43185.35	
18.09			6			3		6							0	0	2749	544.65	43730.00	
19.09	8								2						12	13	2748	1020.00	44750.00	
20.09	18					1									26	24	2750	1315.95	46065.95	
21.09	12		1	2		1				2	6				88	0	2838	1142.49	47208.44	
22.09	9			2		10									57	71	2824	787.00	47995.44	
23.09	19			2		5			10						70	39	2855	3657.25	51652.69	
24.09	5														0	210	2645	362.50	52015.19	
25.09	63	3		3		8									188	282	2551	5286.60	57301.79	
26.09	54	2	15	5	30	10	2								350	199	2702	6308.50	63610.29	
27.09	13		9		6	8									120	37	2785	1793.60	65403.89	
28.09	47		10	2	25	15	2								310	476	2619	4954.75	70358.64	
29.09	52	1	16		14	15	1				6				360	11	2968	5621.79	75980.43	
30.09	26					5									0	5	2963	1939.75	77920.18	
01.10	45			24		13									45	196	2812	3704.85	81625.03	
02.10				10		6									0	108	2704	190.70	81815.75	
03.10															0	0	2704	0	81815.75	
04.10	3		8		12	7						3	4		0	71	2633	2315.19	84130.92	
05.10	3														0	0	2609	217.50	84348.42	
06.10															0	24	2609	9.68	84358.10	
07.10	1														0	0	2609	72.50	84430.60	



Daily Material Usage

Operator Mobil Exploration Norway Inc.

Well 35/11-2

8 1/2" continued

Date 1987	Barite	Bentonite	Barpol	Borwell	Dextrid	Caustic	Soda Ash	Sod. Bicarb	XCD	PAC R	Lime 20 kg	Lime 40 kg	Surflo B21	Gypsum	Made	Used	Balance	Cost		Remarks
																		Daily	Cumulative	
07.10																	2609		84430.60	
08.10			8	4	4								2	7	0	0	2609	1343.73	85774.33	
09.10	2											1	6		0	20	2589	1864.68	87639.04	
10.10															0	13	2576	0	87639.04	
Totals	563	17	137	68	171	115	10	20	12	2	12	4	12	7	4425	1836	2576		87639.04	\$19.81/bbl



Daily Material Usage

Operator Mobil Exploration Norway Inc.

Well 35/11-2

Testing

Date 1987	Barite	Bentonite	Barpol	Borewell	Caustic	Dextrid	Gypsum	HEC	Line 40 kg	PAC	Soda Ash	Sod. Bicarb	Surflo B21	Surflo W300	Therma Thin	XCD	Made	Used	Balance	Cost		Remarks
																				Daily	Cumulative	
11.10																			2576			Transferred from 8 1/2" section
11.10	3											6					4	7	2573	324.30	324.30	
12.10												7			56		7	15	2565	2896.60	3220.90	
13.10																	0	0	2565	0	3220.90	
14.10												6					0	247	2318	106.80	3327.70	
15.10	2																19	0	2337	145.00	3472.70	
16.10																	0	652	1685	0	3472.70	
17.10	37		12	3		26					1				4		275	0	1960	4420.50	7893.20	
18.10	61		12	4	4	15											790	539	2211	5716.30	13609.50	
19.10	71	3	12	5	4	10											300	26	2485	6917.80	20527.30	
20.10																	0	0	2485	0	20527.30	
21.10																	0	0	2485	0	20527.30	
22.10																	0	0	2485	0	20527.30	
23.10				1													0	0	2485	12.50	20539.80	
24.10				1													0	105	2380	12.50	20552.30	
25.10																	0	131	2249	0	20552.30	
26.10							2										0	0	2249	271.60	20823.90	
27.10																	0	0	2249	0	20823.90	
28.10																	0	0	2249	0	20823.90	
29.10	16				1								1				0	73	2176	1455.95	22279.85	
30.10	16									2							7	0	2183	1300.00	23579.85	
31.10	12				15					2			2				0	0	2183	1744.25	25324.10	
01.11			7	2	5	8				1							323	0	2506	830.25	26154.35	



Daily Material Usage

Operator Mobil Exploration Norway Inc.

Well 35/11-2

Date 1987	Barite	Bentonite	Barpol	Borewell	Caustic	Dextrid	Gypsum	HEC	Lime 40 kg	PAC	Soda Ash	Sod. Bicarb	Surflo B21	Surflo W300	Therma Thin	XCD	Made	Used	Balance	Cost		Remarks
																				Daily	Cumulative	
02.11								1									0	73	2433	135.80	26290.15	
03.11																	0	0	2435	0	26290.15	
04.11			10		5												0	2	2433	729.25	27019.90	
05.11	9				7								5				14	38	2407	2154.15	29174.05	
06.11	5				3												0	40	2367	395.35	29569.40	
07.11								3									0	45	2322	407.40	29976.80	
08.11																	0	0	2322	0	29976.80	
09.11																	0	0	2322	0	29976.80	
10.11	22												6		3		32	271	2083	3453.50	33430.30	
11.11	5				3								6				0	109	1974	2105.35	35535.65	
12.11								3									0	9	1965	407.40	35943.05	
13.11		2	7		3	12				4							292	0	2257	1493.35	37436.40	
14.11	5									2							27	0	2284	502.50	37938.90	
15.11	3																5	56	2233	217.50	38156.40	
16.11	28														15		0	12	2221	2772.50	40928.90	
17.11								2									0	0	2221	271.60	41200.50	
18.11	2																0	0	2221	145.00	41345.50	
19.11																	0	0	0	0	41345.30	
20.11																	0	0	2221	0	41345.50	
21.11	22							2									0	0	2221	1866.60	43212.10	
22.11	27		7	3	4					5							359	0	2580	2861.30	46073.40	
23.11	28																0	0	2580	2030.00	48103.40	
24.11																	0	0	2580	0	48103.40	



Daily Material Usage

Operator Mobil Exploration Norway Inc.

Well 35/11-2

Date 1987	Barite	Bentonite	Barpol	Borewell	Caustic	Dextrid	Gypsum	HEC	Line 40 kg	PAC	Soda Ash	Bicarb	Surflo E21	Surflo W300	Therma Thin	XCD	Made	Used	Balance	Cost		Remarks
																				Daily	Cumulative	
25.11																	0	0	2580	0	48103.40	
26.11	18															7	0	265	2275	2845.00	50948.40	
27.11	4																0	0	2275	290.00	51238.40	
28.11	2																0	12	2263	145.00	51383.40	
29.11	3																0	199	2096	217.50	51600.90	
30.11																1	0	757	1319	220.00	51820.90	
01.12																	0	1319	0	0	51820.90	
Totals	401	5	67	19	54	71	13		16	1	19	20	78	8	5030	5030	0			51820.90	\$10.30/bbl	

END OF TESTING
ALL PITS DUMPED AND CLEANED

NORSK PETROLEUM SERVICES A/S

OPERATING AREA Mobil Exploration Norway Inc.
35/11-2

TOTAL MATERIAL USED

<u>Material</u>	<u>Unit</u>	<u>Quantity</u>
Baroid	MT	3410
Bentonite	MT	668
Barpol	25 kg	606
Borewell	25 kg	508
Bicarbonate of Soda	50 kg	80
Baradefoam	drum	22
Caustic Soda	25 kg	960
Con Det	drum	18
Dextrid	25 kg	1004
Gypsum	40 kg	13
HEC	25 kg	13
Lime	20/40 kg	66
PAC	25 kg	94
Soda Ash	50 kg	81
Soltex	50 lb	495
Surflo B21	50 kg	32
Surflo W300	drum	2
Therma Thin	25 kg can	78
Wallnut	25 kg	6
XCD Polymer	25 kg	27
Wyoming Gel	25/50 kg	103

4.9.4

Mud Property Recap

NORSK PETROLEUM SERVICES A/S

P.O. Box 143, 4056 Tananger, Norway. Telephone 04-69 65 24. Telex 40792

WELL NAME: 35/11-2

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-O-SITY	FILTRATE	HT/HP fill		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			C E C		OTHER															
					PPG/	secs		Cake	°500psi		PV	YP	10"	10'	Cl	Ca	Pl	Ml	Pm	Oil	Water	Corr. Solids	PPB														
									1"/32"	1"/32"	cp	lbs/100ft ³ -gms/cm ³	mg/litre	ppm													%	%	%	Bent. Eq.							
1987	metres			ccs	32/mm	ccs	32/mm																														
19.07		8.8	100+																																		
20.07	461	8.8	100+																																		
21.07	550	8.8	100+																																		
22.07	490	8.8	500+																																		
23.07	520	8.8	1000+																																		
24.07	546	8.8	150+																																		
25.07	550	8.8	200+																																		
26.07	556	8.8	200+																																		
27.07	649	8.8	200+																																		
28.07	1026	8.8	200+																																		
29.07	1026	8.8	200+																																		
30.07	1026	8.8	200+																																		
31.07	1026	8.8	200+																																		
01.08	1026	10.5	49																																		
02.08	1026	11.0	55																																		
03.08	1026	11.0	65																																		
04.08	1026																																				
05.08	1026																																				
06.08	1026																																				

NORSK PETROLEUM SERVICES A/S

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WELL NAME: 35/11-2

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISCOSITY	FILTRATE		HY/HP fill		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER													
				PPG/	secs	ccs	°500psi		PV	YP	10"	10'	Cl	Ca	PI	MI	Pm	Oil	Water	Corr. Solids		PPB	% vol DS	% DRG Solids	6 RPM										
							1"/32																			1"/mm	ccs	1"/32	cp	lbs/100ft ² -gms/100cm ²	mg/litre	ppm	%	%	%
1987	metres																																		
07.08	1125	10.5	98	20	3			11.6	11	80	45	52	10	600	.05	.1	.3	0	89	11	22	3.3													
08.08	1335	10.4+	110	17	2			9.6	16	58	45	50	10	320	.05	.15	.3	0	90	10	22	1.7													
09.08	1450	10.5+	67	19	3			9.0	16	48	38	41	10	280	.07	.15	.35	0	89	11	22	2.9													
10.08	1668	10.5	100	19	3			9.3	14	74	55	59	10	720	.05	.1	.2	0	90	10	22	1.3													
11.08	1870	10.5	100	20	3			9.2	12	65	45	47	11	800	.05	.15	.2	0	89	11	22	2.9													
12.08	2009	10.7+	63	24.5	3			9.1	11	59	49	51	11	520	.05	.1	.35	0	88	12	22	3.4													
13.08	2076	10.8	80	19.5	3			9.0	12	72	37	39	11	400	.05	.12	.2	0	88	12	22	3.1													
14.08	2150	10.8	84	19	3			8.9	13	61	48	52	11	440	.02	.05	.25	0	88.5	11.5	22	2.07													
15.08	2195	10.8+	80	19	3			9.2	13	62	49	51	10	480	.05	.15	.3	0	88	12	22	2.70													
16.08	pit	10.8	84	19	3			9.1	13	56	48	49	10	400	.05	.15	.3	0	88	12	22	3.07													
17.08	2195	10.8+	120	18	3			10	18	49	38	44	11	160	.1	.18	.5	0	88	12	22	3.07													
18.08	MIXING MUD FOR 12 1/4" SECTION																																		
19.08	2179	10	55			15	2	10.5	26	18	2	7	16000	120	.3	.45	.9	0	92	8	10	3.65	1.1												
20.08	2310	10	68			14	2	11.1	18	18	2	7	17000	120	.2	.33	.6	0	92	8	11	3.50	3.5												
21.08	2343	10+	64			14	2	10.5	23	16	3	9	16000	52	.38	.97	.75	0	91.5	8.5	11	3.42	3.0												
22.08	2440	10+	75			14.6	2	10.0	25	17	3	15	16000	80	.29	.75	.5	0	92	8	11	3.50	3.0												
23.08	2544	10	76			14	2	9.6	26	18	5	18	16000	200	.18	.55	.4	0	91.5	8.5	11	3.35	3.4												
24.08	2559	10.2	86			8.8	2	10.1	32	19	4	19	16500	200	.29	.76	.5	0	91	9	12	3.22	4.3												8
25.08	2617	10.3	70			12.5	2	10.5	25	22	7	24	16000	100	.15	.35	.38	0	90	10	12	3.36	3.94											9	

NORSK PETROLEUM SERVICES A/S

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WELL NAME: 35/11-2

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISCOSITY	FILTRATE	HY/HP fill			pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER																			
		PPG/			Cake	°500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB																				
		metres	secs	ccs	1"/32"	ccs	1"/32"		cp	lbs/100ft ³ -gms/100cm ³	mg/litre	ppm			%	%	%	Bent. Eq.	ASG SOL.	% drill solids																					
1987																																									
14.09	3377	13.1	78	4.0	1	18		9.8	29	19	14	30	18000	180	.1	.4	.25		81	19	10				4.00	1.13															
15.09	3377	13.1	65	4.0	1			10	29	19	14	30	18000	180	.1	.4	.3		81	19	10				4.00	1.13															
16.09	3348	13.5	86	4.0	1			10.9	43	21	8	25	16000	520	.07	.23	.32		80	20	10				4.10	.50															8 1/2" section
17.09	3379	13.5	87	4.0	1			10.9	33	18	9	26	16000	360	.05	.24	.30		79	21	10				3.98	1.75															
18.09	3398	13.5	68	4.0	1			9.3	27	15	11	27	16000	160	.06	.37	.22		79	21	9				3.95	2.29															
19.09	3417	13.5	69	3.8	1			9.7	28	14	11	24	16000	130	.06	.27	.15		79	21	9				3.95	2.29															
20.09	3437	13.4+	57	4.0	1			9.0	22	14	9	25	16000	280	.04	.33	.12		79	21	9				3.92	2.61															
21.09	3459	13.5	68	4.6	1			9.7	31	17	4	20	16000	240	.04	.28	.20		79	21	9				3.92	2.61															
22.09	3488	13.5	66	4.2	1			9.4	30	17	13	33	16000	240	.04	.24	.14		79	21	9				3.95	2.29															
23.09	3504	13.5	64	4.3	1			9.6	30	16	14	35	16000	240	.04	.21	.14		79	21	8				3.95	2.29															
24.09	3521	13.5	60	4.2	1			9.6	25	16	15	39	16000	240	.04	.22	.18		79	21	9				3.95	2.29															
25.09	3579	13.5	58	5.0	1			9.7	25	19	14	35	16000	240	.03	.22	.15		80	20	9				4.10	0.50															
26.09	3682	13.5	55	5.2	1			9.6	25	20	20	37	19000	220	.06	.27	.15		79	21	8.5				3.98	1.98															
27.09	3719	13.5	57	5.5	1			9.6	22	16	8	39	18000	220	.06	.26	.15		79	21	8				3.98	1.98															
28.09	3774	13.5	53	6.0	1.5			9.5	24	20	21	34	16000	220	.04	.26	.15		79	21	8.5				3.98	1.98															
29.09	3835	13.5	50	5.9	1.5			10	22	20	15	40	16000	220	.05	.26	.14		79	21	8				3.95	2.29															
30.09	3877	13.5	50	6.0	1			9.8	18	17	11	40	16000	280	.04	.29	.2	TR	80	20	8				4.1	0.5															
01.10	3961	13.5	46	7.0	1			9.8	20	13	10	30	16500	180	.08	.29	.2	TR	80	20	8				4.1	0.5															
02.10	4025	13.5	46	6.7	1.5			10.1	18	12	7	23	17500	120	.1	.45	.2	TR	80	20	8				4.1	0.5															

NORSK PETROLEUM SERVICES A/S

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WELL NAME: 35/11-2

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-O-SITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER				
									PV	YP	10"	10'	Cl	Ca	Pf	Ml	Pm	Oil	Water	Corr. Solids	PPB					
									cp	lbs/100ft ²	gms/cm ²	100	mg/litre	ppm	%	%	%	Bent. Eq.	ASG SOL	% DRG SOLIDS						
										1" / 32"	ccs	1" / 32"														
1987	metres	PPG/	secs	ccs	Cake																					
						^o 500psi																				
03.10	4025	13.5	47	6.2	1			10.1	15	10	6	20	17500	120	.1	.45	.2	TR	80	20	8	4.1	0.5			
04.10	4025	13.2	46	6.6	1			10.1	20	14	8	25	19000	100	.11	.39	.18	0	81	19	7	4.07	0.75			
05.10	4025	13.2	48	5.6	1			10.8	25	16	8	22	18500	120	.2	.65	.45	0	81	19	7	4.07	0.73			
06.10	4025	13.2	49	6.1	1			10	23	14	10	23	18500	120	.15	.65	.45	0	81	19	7	4.07	0.73			
07.10	4026	13.2	47	6.1	1			10.1	15	13	8	21	18500	120	.18	.65	.45	0	81	19	7	4.07	0.73			
08.10	4025	13.2	48	6.1	1			10.1	16	10	6	19	18500	120	.2	.65	.45	0	81	19	7	4.07	0.73			
09.10	4025	13.2	50	6.2	1			9.8	19	14	8	20	18000	120	.2	.58	.35	0	81	19	7	4.07	0.71			
10.10	3000	13.2+	53	6.3	1			9.6	16	10	7	23	18000	120	.15	.5	.3	0	81	19	7	4.1	0.4			
11.10	3250	13.2	54	9.1	1			10.6	18	11	7	27	18500	300	.45	1.05	.5	0	81	19	7	4.07	0.7			
12.10	3659	13.2	50	9.4	1			10.8	18	12	7	28	18000	320	.4	1.2	.5	0	81	19	7	4.07	0.7			
13.10	pit	13.1+	38	8.4	2			11.8	9	4	1	4	20000	240	.4	1.3	1.4	0	81	19	7	4.04	1.07			
14.10	pit	13.2+	47	7.4	1			11.6	15	8	7	22	19000	120	.4	1.3		0	80	20	7	3.95	2.32			
15.10	pit	13.3	48	6.2	1			10.3	20	15	4	20	20000	160	.3	1.1		0	80	20	8	3.98	1.96			
16.10	pit	13.3	47	6.2	1			10.2	20	15	4	19	20000	160	.3	1.1		0	80	20	8	3.98	1.96			
17.10	pit	13.2	48	4.6	1			9.5	22	5	4	12	18000	200	.13	.6		0	81	19	10	4.07	.38			
18.10	pit	13.2	50	5.8	1			9.8	20	5	4	12	18000	180	.15	.5		0	81	19	10	4.07	.38			
19.10	pit	13.2	51	5.8	1			9.9	21	5	4	14	18000	180	.16	.5		0	81	19	10	4.07	.38			
20.10	pit	13.2	51	5.9	1			9.9	21	5	4	14	18000	180	.16	.5		0	81	19	10	4.07	.38			
21.10	pit	13.2	51	5.9	1			9.9	21	5	4	14	18000	180	.16	.5		0	81	19	10	4.07	.38			

NORSK PETROLEUM SERVICES A/S

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WELL NAME: 35/11-2

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-O-SITY	FILTRATE	HYMP fill		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER			
		PPG/			Cake	°500psi		PV	YP	10"	10'	Cl	Ca	Pl	Ml	Pm	Oil	Water	Corr. Solids	PPB				
		metres	secs	ccs	1"/32"	ccs		1"/32"	cp	lbs/100ft ²	gms/100cm ²	mg/litre	ppm					%	%	%	Bent. Eq.	ASG SOL.	% DRUG SOLIDS	
1987																								
22.10	pit	13.2	51	5.8	1		9.8	21	5	4	14	18500	180	.15	.5		0	81	19	10	4.07	.38		
23.10	pit	13.2	51	5.8	1		9.8	21	5	4	14	18500	180	.15	.5		0	81	19	10	4.07	.38		
24.10	pit	13.2	50	5.9	1		9.6	20	7	3	16	18000	180	.14	.48		1	80	19	10	4.07	.38		
25.10	pit	13.2	50	6.4	1		9.7	22	6	4	16	17000	180	.12	.46		1	80	19	10	4.07	.38		
26.10	pit	13.2	50	6.4	1		9.6	22	6	4	16	17000	180	.14	.45		1	80	19	10	4.07	.38		
27.10	pit	13.2	50	6.5	1		9.6	22	6	4	16	17000	180	.14	.5		1	80	19	10	4.07	.38		
28.10	pit	13.2	50	6.5	1		9.6	22	6	4	16	17000	180	.14	.5		1	80	19	10	4.07	.38		
29.10	pit	13.2	49	6.5	1		9.4	19	7	4	17	16000	180	.13	.5		1	80	19	10	4.07	.38		
30.10	pit	13.2	51	6.5	1		9.4	19	8	4	18	16000	180	.13	.5		1	80	19	10	4.07	.38		
31.10	pit	13.2	51	8.4	1		10.1	23	9	4	17	17000	180	.16	.5		0	81	19	10	4.07	.38		
01.11	pit	13.2	50	7.4	1		9.7	20	5	3	14	17000	180	.13	.45		0	81	19	10	4.07	.38		
02.11	pit	13.2	50	7.6	1		8.5	15	7	3	12	16000	300	.1	1.0		0	81	19	10	4.07	.38		
03.11	pit	13.2	50	7.6	1		8.6	15	7	3	12	16000	300	.1	1.0		0	81	19	10	4.07	.38		
04.11	pit	13.2	50	8.4	1		9.6	16	6	4	13	16500	160	.13	1.0		0	81	19	10	4.07	.38		
05.11	3450	13.2	47	8.3	1		9.3	18	6	3	17	17000	400	.13	.8		0	81	19	10	4.07	.38		
06.11	3500	13.2	50	8.6	1		10.2	17	6	6	20	17000	140	.33	1.3		0	81	19	10	4.07	.38		
07.11	pit	13.2	50	8.6	1		10.2	16	6	6	18	17000	140	.35	1.2		0	81	19	10	4.07	.38		
08.11	pit	13.2	48	8.4	1		10.2	16	6	5	18	17000	140	.4	1.2		0	81	19	10	4.07	.38		
09.11	pit	13.2	49	8.4	1		10.2	16	6	5	18	17000	140	.4	1.2		0	81	19	10	4.07	.38		

NORSK PETROLEUM SERVICES A/S

P.O. Box 143, 4056 Tananger, Norway. Telephone 04-69 65 24. Telex 40792

WELL NAME: 35/11-2

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-OSITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER		
		PPG/			Cake	°500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB			
		metres	secs	ccs	1"/32mm	ccs	1"/32mm		cp	lbs/100ft ²	gms/100cm ²	mg/litre	ppm					%	%	%	Bent. Eq.	ASG SOL.	% DRUG SOLIDS	
10.11	pit	13.2	50	8.4	1			10.2	16	6	5	18	17000	140	.4	1.2		0	81	19	10	4.07	.38	
11.11	3457	13.2	53	8.2	1			9.3	19	7	4	16	16000	160	.3	1.1		0	81	19	10	4.07	.38	
12.11	pit	13.2	53	8.4	1			9.6	18	7	4	14	16000	160	.3	1.1		0	81	19	10	4.07	.38	
13.11	pit	13.1+	47	8.4	1			9.8	15	6	4	12	16000	140	.28	1.0		0	81	19	10	4.04	.75	
14.11	pit	13.2	53	8.2	1			9.8	22	8	4	12	16000	140	.3	1.0		0	81	19	10	4.04	.75	
15.11	3371	13.2+	50	8.2	1			9.6	17	6	4	12	16000	140	.3	1.0		0	81	19	10	4.1	0	
16.11	3406	13.2	45	8.2	1			9.6	21	4	4	8	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
17.11	3406	13.2	40	8.3	1			9.6	22	7	4	10	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
18.11	3406	13.2	51	8.3	1			9.6	22	7	4	10	16000	140	.7	1.0		0	81	19	10	4.1	0.38	
19.11	3406	13.2	50	8.3	1			9.6	22	7	4	10	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
20.11	3406	13.2	49	8.3	1			9.5	22	7	4	10	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
21.11	3406	13.2	47	8.3	1			9.6	22	6	4	10	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
22.11	3406	13.2	48	8.3	1			9.6	22	6	4	10	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
23.11	3406	13.2	53	5.4	1			9.7	26	10	6	10	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
24.11	3406	13.2	51	5.5	1			9.7	26	9	6	10	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
25.11	3406	13.2	54	5.5	1			9.7	29	10	6	12	16000	140	.3	1.0		0	81	19	0	4.1	0.38	
26.11	3406	13.2	52	5.6	1			9.5	29	13	7	14	16000	140	.3	1.0		0	81	19	0	4.1	0.38	
27.11	3406	13.2	52	5.5	1			9.5	27	12	7	14	16000	140	.3	1.0		0	81	19	10	4.1	0.38	
28.11	3192	13.2	52	5.6	1			9.6	27	12	7	15	16000	180	.4	1.1		0	81	19	10	4.1	0.38	

