FMT RESULTS

WELL: 30/6-11

No	Depth (mRKB)	H.P.(PSI)	F.P.(PSI)	PERM.
		RUN 1		
1/1	3557	7339		No seal
2/1	3557.2	7340		»
3/1	3551	7324		»
4/1	3551.2	7323		»
5/1	3551.5	7325	6471	Good
6/1	3549.5	7319		No seal
7/1	3549	7317		»
8/1	3549.7	7320		»
9/1	3549.9	7321		»
10/1	3557.5	7341		»
11/1	3558.5	7341		»
12/1	3559	7341	6557	Part. seal fail
13/1	3559	7342	6557	Chec. test 12
14/4	3551.5	7323		» 4
15/1	3554.7	7330		No seal
16/1	3555	7331		Part. seal fail
17/1	3554.8	7330		No seal
18/1	3554.5	7329		»
19/1	3553	7325		»
20/1	3524	7258		»
21/1	3523.2	7258		»
22/1	3524.2	7263	6640	Good
23/1	3516	7243		No seal
24/1	3516.2	7245		»
25/1	3515.8	7245		»
26/1	3517	7249		»
27/1	3517.5	7250		»
28/1	3504.5	7220		»
29/1	3463.5	7131		»
30/1	3460	6924		»
31/1	3360	7124		»
		RUN 2		
1/2	3557	7337		»
2/2	3551	7320		»
3/2	3549.5	7316		»
4/2	3551.5	7319		»
5/2	3527.5	7263		»
6/2	3524	7254		»
7/2	3516	7235		»
8/2	3504.5	7209		»
9/2	3499	7179		»
10/2	3492.5	7183		»
11/2	3488.5	7174		»
12/2	3485	7165		»
13/2	3468	7127		»
14/2	3463.5	7117		»
15/2	3366	6919		»
16/2	3356.5	6910		»

No	Depth (mRKB)	H.P.(PSI)	F.P.(PSI)	PERM
		RUN 3		
1/3	3557	7162		No seal
2/3	3557.5	7158	6616	
3/3	3554.8	7150	6580	
4/3	3551	7140		No seal
5/3	3551.5	7141		»
6/3	3524	7078		»
7/3	3516	7061	6407	Not on log
8/3	3524	7083		No seal
9/3	3557.5	7158		»
10/3	3504.5	7039	6388	Good
11/3	3499	7026		No seal
12/3	3492.5	7013		»
13/3	3488.5	7004		»
14/3	3463.5	6950		»
		RUN 4		
1/4	3557	7181		No seal
2/4	3557.5	7181		»
3/4	3554.5	7172		Lost seal
4/4	3554.8	7172		No seal
5/4	3553	7166		»
6/4	3549.5	7157		»
7/4	3545	7146		»
8/4	3499	7044		»
9/4	3492.5	7029		»
10/4	3488.5	7021		»
11/4	3463.5	6968		»
		RUN 5		
1/5	3557	7167	6687	Probe plug./ Pt seal fail
2/5	3551	7154	6448	Form.Good
3/5	3549.5	7150	6530	Fra.press.unrel
4/5	3524	7096	6416	Good
5/5	3516	7079	6399	»
6/5	3504.5	7056	6381	»
7/5	3499	7047	6372	»
8/5	3492.5	7033		No seal
9/5	3492	7033	6362	
10/5	3488.5	7027	6357	V. good
11/5	3485	7021	6353	V. good
12/5	3468	6986	6334	Good
13/5	3460	6970	6398	Low
14/5	3460.1	6970	6393	Low
15/5	3453	6957	6407	Poor
16/5	3436	6921		No seal
17/5	3435.5			»
18/5	3395.5	6893		»
19/5	3395.7	6844	6255	Low
20/5	3379.5	6810	6077	Poor
21/5	3366	6782	6003	Good
22/5	3362.5	6774		No seal
23/5	3362	6773	6069	Low
24/5	3360	6770	6263	»
25/5	2356.5	6763		No seal
26/5	3356.7	6764	6090	Poor
27/5	3463.5	6999	6327	Good
28/5	3259	6580		Tight

Took segr. sample at 3 463,5 m and recorded from:
2¾ gal: 8.5 l water/mud filtrate.
1 gal: 3,7 l Water/mud filtrate.
(2¾ and 1 gal chamber drained on rigfloor)

FMT RESULTS

WELL: 30/6-11

No	Depth (mRKB)	H.P.(PSI)	F.P.(PSI)	PERM.
		RUN 6		
1/6	3735	7373		No seal
2/6	3734.6	7370		»
3/6	3735.5	7371		»
4/6	3766	7429		»
5/6	3766	7429		»
6/6	3764	7419		»
7/6	3757	7401		Tight
8/6	3762	7421		No seal
9/3	3761	7415		»
10/6	3895	7672	7183	Poor
11/6	3897.5	7677	7241	»
12/6	3907	7700		No seal
13/6	3913	7706		No seal
14/6	3913	7704	7038	Poor
15/6	3920	7722		No seal
16/6	3920	7720		»
17/6	3920.5	7720		»
18/6	3928	7729		»
19/6	3928.5	7734	7470	Part. seal fail
20/6	3928	7730		No seal
21/6	3946	7777		»
22/6	3951	7776	6969	Low
23/6	3966	7806		No seal
24/6	3966.4	7797		»
25/6	3965.5	7797		»
26/6	3975	7821		»

No	Depth (mRKB)	H.P.(PSI)	F.P.(PSI)	PERM

Note: All pressure readings are temp. corrected.
Run 1–4 were performed by Dresser Atlas180 volts FMT, run 5–6 with their 400 volts FMT.

DST RESULTS

WELL: 30/6-11

DST 1	
Perferated interval: 3449–3455m Choke size: Various 16–64/64" Flow: ~ 15 BBL/DAY of cushion for ~ 9 hrs. No flow to surface.	Checked: Date:

MUD REPORT 30/6-11

36" hole section

This section was drilled using seawater with high viscosity slugs pumped on each connection.

When reaching TD the hole was displaced with high viscosity mud.

26" hole section

This section was drilled using prehydrated bentonite and seawater. Large losses of mud at surface was noticed. This was because of the excessive heave of 4 m. A high pump output was also resulting in losses over the solids control equipment. These losses resulted in lost rigtime because new mud had to be mixed.

At TD of 17 1/2" pilothole and 26" hole the well was displaced with viscous bentonite mud.

17 1/2" hole section

This section was drilled using a KCl-polymer mud type. The mud contained 45 ppb KCl, 1.5 ppb XC-polymer, 6 ppb Starch and 1/2 ppb polyacrylamide.

During drilling the K^+ conc. was controled by adding KCl salt. Fluid loss was controled with Starch. Inhibition and flocculation was taken care of by keeping an excess amount of polyacrylamidepolymer. XC-polymer was used for initial make up of viscosity.

During drilling a few minor hole problems were noticed.

When reaching total depth of the section the rig had to wait on weather. This caused cavings generated from the formation which showed up as fill on bottom. When running the casing it got stuck because of differential sticking. Spotting fluid made from diesel oil, seawater and Imcospot/Pipelax was used. Whether the casing got loose because of reduction in differential pressure or because of the chemical action from the spotting fluid is not known. Both probably helped.

12 1/4" hole section

The leftover mud from the 17 1/2" section was slowly converted to a dispersed mudsystem by adding lignosulfonate and lignite.

The fluid remained in good shape until a turbine and diamond bit was run in hole. Because of small cuttings and no longer inhibited mud the solids content increased and viscosity problems appeared. The hole stayed in good shape during drilling, logging and running casing.

8 3/8" hole section

This section was drilled using the same type of mud as for the 12 1/4" hole section. No particular problems were encountered.

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WELL NAME: NORSK HYDRO A/S
Nortrym
30/6-11

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-OSITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER		
					Cake	°500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB	SAND	KCl	Mg
82	metres	SG	secs	ccs	1"/32/mm	ccs	1"/32/mm		cp	MPA			mg/litre	ppm				%	%	%	Bent. Eq.	%	ppb	ppm
21/12	235	1.06	120+	NC																	45			
22/12	235	1.05	72	27	5	-	-	11.0	12	32	15		6800	300	.1	.3	-	0	98	2	35	0		
23/12	750	1.11	53	NC	5	-	-	10.0	8	25	10		9000	750	.1	.3	-	0	96	4	25	3/4		
24/12	965	1.12+	45	NC	4	-	-	9.5	7	16.5	10	10	11000	800	.05	.1	-	0	94	6	20	TR		
25/12	494	1.11+	42	NC	3	-	-	9.5	7	16.5	10	10	9000	800	.05	.1	-	0	94	6	17.5	TR		
26/12	780	1.08	35	NC	3	-	-	9.5	5	10	7	7	9500	800	.05	.1	-	0	96	4	15	1/2		
27/12	965	1.10	36	NC	3	-	-	9.5	5	12	6	6	9500	800	.05	.1	-	0	96	4	15	TR		
28/12	NO MUD IN PITS																							
29/12	BUILDING KCl/POLYMER MUD																							
30/12	940	1.2	54	4	1			10.2	12	10	5	5	53000	240	.3	.6	-	0	92	4	0	0	41	0
31/12	968	1.2	53	5.1	1			10.3	9	9	5	5	50000	40	1.8	3.8	-	0	91	4.1	0	TR	40	456
1983																								
1/1	1353	1.21	45	4.5	1			8.96	15	8.5	2	4	67000	80	.5	2.0	-	0	88	5	3	TR	40	192
2/1	1653	1.24	52	4.6	1			8.68	14	10	2	6	77000	40	.4	1.7	-	0	87	5	8	TR	44	320
3/1	2117	1.23	54	6.1	1			8.1	16	11.5	5	8	84000	40	0	.23		0	87	5	12	TR	50	216
4/1	2165	1.3	59	6	1			7.34	22	15	4.3	11	90000	400	0			0	83	8	12	2	48	860
5/1	2165	1.3	65	5	1			8.2	18	13.5	6	9	91000	400	0			0	84	7	12	1 1/2	50	940
6/1	2165	1.31	73	4.9	1			8.01	19	14.5	7	14	89000	400	0			0	84	6	12	2	48	920
7/1	2165	1.3	75	5.4	1			8.19	18	14	5	14	71000	400	0			0	85	6	12	2	50	900

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WELL NAME: NORSK HYDRO A/S
Nortrym
30/6-11

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-OSITY	FILTRATE		HT/HP filt @ 500psi		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER		
					Cake				PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB	SAND	KCl	Mg
1983	metres	SG	secs	ccs	1/32"	ccs	1/32"		cp	MPA			mg/litre	ppm				%	%	%	Bent. Eq.	%	ppb	ppm
8/1	2165	1.3	76	5.4	1			8.2	19	14	5	15	84000	400	0			0	85	7	12	2	48	920
9/1	2165	1.32	60	6.1	1			8.05	18	15	5	16	85000	380	0		-	0	84	6	12	2	50	880
10/1	2165	1.32	65	6.1	2			8.02	19	15	6	16	85000	400	0			0	84	7	12	2	50	900
11/1	2165	1.30	69	5.9	2			8.5	19	11	5	11	69000	320	0	0		0	86	7	12	2	48	860
12/1	2165	1.33	70	7.2	2			8.2	20	16	8	16	77000	720	0	0		0	84	9	12	2	50	768
13/1	2165	1.32	68	6.8	2	13	2	8.34	18	14	6	12	79500	480	-	-		-	84	8	12	2	48	600
14/1	2110	1.29	60	6	1	11	2	9.27	20	16	4.7	11	72300	1200	.1	.4		5	72	10	12	2	42	480
15/1	2110	1.29	60	6.5	1	-	-	9.5	19	17	4.5	8.5	72000	1200	.1	.4	-	5	79	16	12	1.75	45	400
16/1	2202	1.30	55	7.5	1	11.5	2	10.7	18	12	2.5	5	70000	200	.2	.5	-	4	80	16	12	1.5	35	60
17/1	2357	1.30	55	6.5	1	14	3	10.5	18	9.5	2.5	8	63000	100	.2	.5	-	4	79	17	12	1.5	28	20
18/1	2420	1.325	58	5.8	1	-	-	10.0	17	7.5	2.5	11.5	56000	40	.2	.5	-	3	82	15	12	.5	20	10
19/1	2420	1.33	58	5.8	1	-	-	10.0	17	7.5	2.5	11.5	56000	40	.2	.5	-	3	82	15	12	.5	20	10
20/1	2420	1.335	68	6.8	1	14	2	10.0	20	17.5	5	14	63000	320	.1	.3	.8	5	78	17	12	.75	28	480
21/1	2420	1.335	68	6.8	1	14	2	10.0	20	17.5	5	14	63000	320	.1	.3	.8	5	78	17	12	.75	28	480
22/1	2420	1.335	65	6.8	1	14	2	10.0	20	14.5	3.5	11.5	63000	320	.1	.3	.8	5	78	17	12	.5	28	480
23/1	2420	1.325	68	6.5	1	14	2	9.85	20	11.5	2.5	10	63000	320	.1	.3	.7	5	78	17	12	.5	28	480
24/1	2423	1.33	60	6.0	1	13.2	2	10.2	20	10.5	3	14	56500	45	.25	.6	1.2	4	79	17	15	TR	18	155
25/1	2512	1.33	55	6.0	1	13.2	2	10.3	18	8	3	14	55000	40	.2	.5	1.25	3	80	17	17.5	TR	18	200

NORSK PETROLEUM SERVICES A/S
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WELL NAME: NORSK HYDRO A/S
Nortrym
30/6-11

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-OSITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER		
					Cake	°500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB	SAND	KCl	Mg
1983	metres	SG	secs	ccs	1"/32/mm	ccs	1"/32/mm		cp	MPA			mg/litre	ppm				%	%	%	Bent. Eq.	%	ppb	ppm
27/1	2647	1.34	63	6.5	2	17	3	10.0	20	8	4.5	18	43000	300	.15	.55	1.3	2	79	19	16	TR	10	40
28/1	2733	1.37	57	6.0	2	10	3	10.0	18	9	4	15.5	36000	100	.5	1.3	1.5	1	81	18	17	TR	TR	60
29/1	2781	1.37	56	7	2	14	3	10.0	18	8	2.5	12	36000	120	.4	.8	1.35	2	80	18	16	TR	TR	80
30/I	2870	1.37	53	8	2	17	3	10.57	17	6	2.5	I2	30000	100	.65	1.5	1.7	1	80	19	12.5	TR	-	20
31/1	2954	1.39	63	6.5	2	12.5	3	10.4	18	9.5	4	18	30000	120	.7	1.7	1.8	1	75	24	15	TR	TR	60
1/2	3023	1.40	52	5	3	13	4	10.1	14	7.9	2.8	18	26000	160	1.25	2.0	-	1	81	18	15	TR	TR	240
2/2		1.42	60	6.5	1.5			9.5	14	7.4	2.3	13	23500	20	.37	2.0	-	1	82	17	13	TR	TR	230
3/2	3148	1.45	58	5	1	11	2	9.0	14	7.4	1.8	13	24000	120	.07	.7	-	1	82	17	15	TR	0	288
4/2	3157	1.44	58	5	1	16	3	9.6	15	7	1.8	14	23000	400	.7	1.5	-	TR	83	17	13	TR	0	216
5/2	3190	1.44	56	7	1	18	4	9.6	14	7	1.9	11	23300	600	.16	.8	-	TR	83	17	15	TR	0	240
6/2	3252	1.445	59	5.5	1	13	2	9.0	14	9.4	3.9	13	24000	960	.16	.9	-	TR	83	17	17	TR	0	144
7/2	3265	1.44	60	5.5	1	12	3	9.1	14	7.4	4.3	14	24000	840	.19	.83	-	1	82	17	17	TR	0	240
8/2	3270	1.43	58	5.5	1	11	3	9.6	11	8	2.3	11	22000	800	.1	.6	-	-	83	17	17	TR	0	240
9/2	3321	1.445	52	5.5	1	12	2	10.3	14	8	2.8	13	20500	600	.3	1.4	-	TR	82	18	18	TR	0	0
10/2	3351	1.44	58	5.5	1	12	3	10.6	15	9.4	3.4	11	21000	440	.2	.49	-	TR	82	18	20	TR	1	0
11/2	3388	1.45	58	6.0	1	13	3	10.1	15	7	2	12	21000	300	.17	.7	-	TR	81	19	21	TR	0	360
12/2	3415	1.43	57	6.0	1	11	3	10.4	16	9	4	14	21000	380	.4	.85	1.5	TR	81	19	21	TR	0	300
13/2	3452	1.47	55	6.0	1	11	3	10.0	16	12	4	14	21000	300	.2	.7	1.1	TR	82	18	21	TR	0	300
14/2	3461	1.47	57	6.0	1	11	3	10.2	19	12	5	15	21000	200	3	8	-	TR	80	20	19	TR	0	400

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WELL NAME: NORSK HYDRO A/S
Nortrym
30/6-11

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-OSITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER		
					Cake	°500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB	SAND	KCl	Mg
1983	metres	SG	secs	ccs	1"/32/mm	ccs	1"/32/mm		cp	MPA			mg/litre	ppm				%	%	%	Bent. Eq.	%	ppb	ppm
15/2	3470	1.47	56	6.0	1	11	3	10.45	16	8	3	12	23000	150	.35	.9	1.4	TR	80	20	19	TR	0	330
16/2	3485	1.47	56	5.6	1	10.7	3	10.8	14	7.5	1.5	7	21300	125	.5	1.2	2.1	TR	80	20	20	TR	0	355
17/2	3502	1.47	47	5.6	1	10.8	3	10.6	11	6	.5	4.5	21300	75	.45	1.0	1.75	TR	82	18	23	TR	0	175
18/2	3513	1.47	48	6.0	1	11.7	3	10.8	13	7.5	2	8.5	20000	90	.6	1.3	2.1	TR	81	19	25	TR	0	210
19/2	3562	1.46	41	6.5	1	13	3	10.8	12	6.5	1	5.5	20000	50	.6	1.1	1.75	TR	80	20	22.5	TR	0	150
20/2	3589	1.46	45	5.5	1	13	3	11.0	13	6.5	1	7	19000	60	.7	1.6	2.4	-	80	20	22.5	TR	0	100
21/2	3611	1.46	45	6.0	1	15	3	10.7	13	7	1.5	7	19500	80	.5	1.0	-	-	82	18	21	TR	0	160
22/2	3647	1.46	50	5.5	1	15.0	3	11.0	14	8	2	8	19500	80	.7	1.5	2.35	-	81	19	21	160	TRACE	0
23/2	3647	1.46	50	5.5	1	15.3	3	10.8	14	8	2	8	19500	80	.6	1.2	-	-	81	19	21	160	TRACE	0
24/2	3647	1.46	53	5.5	1	-	-	10.1	18	7	1.5	8	19800	80	.3	.7	-	-	81	19	21	160	TRACE	0
25/2	3647	1.46	65	7.3	1	-	-	9.75	16	6.5	2	10	19500	80	.2	.6	-	-	81	19	21	160	TRACE	0
26/2	3654	1.44	45	6.0	2	12	4	9.8	13	4.5	.47	8	17800	300	.2	1.4	-	TR	82	18	21	60	TRACE	0
27/2	3654	1.43	67	6.5	1	16	4.5	9.5	15	4.4	.47	12	18300	340	.16	1.8	-	TR	83	17	21	60	TRACE	0
28/2	3654	1.44	57	6.5	1	14	4.0	9.6	14	4	.47	8	17800	260	.21	1.46	-	TR	82	18	21	60	TRACE	0
1/3	3654	1.44+	62	7	1	17	3	9.5	14	3	.47	9	16000	400	.15	1.3	-	TR	81	19	18	240	TRACE	0
2/3	3654	1.43	66	6.5	1	12.4	3	9.9	14	4.5	.47	7.5	16200	200	.18	1.76	1.46	TR	82	18	18	24	TRACE	0
3/3	3640	1.45	63	7.5	1	14	3	9.8	13	4	.47	7.5	16600	320	.23	1.49	.98	TR	82	18	18	120	TRACE	0
4/3	3678	1.43	42	7.2	1	16	2	11.1	9	3.5	.47	5.0	18000	208	.7	2.6	1.6	TR	84	16	20	0	TRACE	0
										7.0														

NORSK PETROLEUM SERVICES A/S
c/o Dolphin Services A/S
4056 Tananger, Norway. Telephone 04-696524. Telex 33235

NORSK HYDRO A/S

WELL NAME: . 30/6-11 - NORTH SEA NORWAY

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-OSITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER		
					Cake	°500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB	Mg	SAND	SULFIDES
1983	metres	SG	secs	ccs	1"/32/mm	ccs	1"/32/mm		cp	lbs/100ft²-gms/100cm²			mg/litre	ppm				%	%	%	Bent. Eq.	ppm	% by VOL	ppm
6/3	3756	1.40	50	7.0	1	16.8	2	10.6	14	4.5	.47	10	12700	480	.56	1.8	2.5	TR	84	16	24	0	TRACE	0
7/3	3771	1.39	57	6.5	1	15	2	10.7	13	3.5	.23	7.0	12500	400	.5	1.56	2.1	TR	84	16	23	0	TRACE	0
8/3	3817	1.40	51	6.0	1	14	2	10.8	13	3.5	1.4	8	12200	280	.54	2.5	1.84	TR	84	16	24	0	TRACE	0
9/3	3887	1.41	50	6.0	1	15	2	10.8	15	3.6	1	7	12600	360	.36	2.1	2.4	TR	84	16	24	0	TRACE	0
10/3	3889	1.41	60	7.0	1	15	2	10.8	10	4	.47	7	10600	400	.5	1.9	2.7	0	84	16	24	0	TRACE	0
11/3	3889	1.39	62	6.5	1	17	3	10.9	9	4	.95	5	12150	200	.56	1.6	1.87	TR	85	15	24	0	TRACE	0
12/3	3889	1.39	60	6.5	1	17	3	10.9	9	4	1	4	12000	200	.5	1.5	1.8	TR	85	15	24	0	TRACE	0
13/3	3920	1.40	49	7	2	18.5	3	10.7	17	4	.5	7.5	12500	240	.5	1.6	1.8	0	84	16	24	0	TRACE	0
14/3	4001	1.40	51	6.5	1	17	3	11.1	12	4	.5	7	12500	160	.65	1.8	2.1	TR	84	16	24	0	TRACE	0
15/3	4002	1.40	48	6.5	1	17	3	11.1	10	4	.5	7	12500	160	.65	1.8	2.1	TR	84	16	24	0	TRACE	0
16/3	4002	1.40	57	7.5	2	19	3	11.0	10	4	.5	6.5	12000	160	.6	1.6	-	TR	84	16	24	0	TRACE	0
17/3	3500	1.40	73	9.5	2	23	4	11.3	10	4	1.5	9	12500	320	.8	2.2	3.3	TR	84	16	24	0	TRACE	0
18/3	3540	1.39	51	10	2	25	4	11.3	10	4	1	9	12500	370	.8	2.2	3.5	TR	84	16	24	0	TRACE	0
19/3	3540	1.34	46	14	2	-	-	11.3	8	3	.5	9	12250	320	.65	1.7	-	TR	84	16	24	0	TRACE	0
20/3	3540	1.34	46	14	2	-	-	11.3	8	3	.5	8	12250	320	.65	1.7	-	TR	85	15	24	0	TRACE	0
21/3	3540	1.34	45	14	2	-	-	10.6	10	3	.5	5	12500	400	.3	1.2	-	TR	85	15	27	0	TRACE	0
22/3	3540	1.345	50	14	2	-	-	10.7	10	3	.5	5	12500	400	.4	1.2	-	TR	85	15	27	0	TRACE	0
23/3	3540	1.345	64	9	1	-	-	9	18	4	1	18	15500	1300	.05	.7	-	0	84	16	27	0	TRACE	0
24/3	3540	1.34	60	9	1	-	-	8.5	16	4	1	25	15500	1300	0	6		0	84	16	27	0	TRACE	0

NORSK PETROLEUM SERVICES A/S
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4056 Tananger, Norway. Telephone 04-696524. Telex 33235

WELL NAME: Norsk Hydro A/S
30/6-11 North Sea Norway

MUD PROPERTY RECAP

DATE	DEPTH	DENSITY	VISC-OSITY	FILTRATE		HT/HP filt		pH	RHEOLOGY				FILTRATE ANALYSIS					RETORT ANALYSIS			CEC	OTHER		
					Cake	°500psi			PV	YP	10"	10'	Cl	Ca	Pf	Mf	Pm	Oil	Water	Corr. Solids	PPB	Mg	SAND	SULFIDES
1983	metres	SG	secs	ccs	1"/32/mm	ccs	1"/32/mm		cp	lbs/100ft²-gms/100cm²			mg/litre	ppm				%	%	%	Bent. Eq.	ppm	% by VOL	ppm
25/3	3540	1.34	60	9.5	1	-	-	8.5	16	4	1	30	15500	1300	0	.6	-	0	84	16	27	0	TRACE	0

NORSK PETROLEUM SERVICES A/S.

OPERATING AREA 30/6-11

TOTAL MATERIAL CONSUMPTION

MATERIAL	PACKAGING	QUANTITY
BENTONITE	M/T	124
BICARBONATE	50 kg	91
BARITE	M/T	887
XC POLYMER	50 lb	220
CAUSTIC SODA	25 kg	345
CC-16	50 lb	184
DESCO	50 lb	175
DEXTRID	50 lb	1051
DURENEX	50 lb	240
LIME	25 kg	90
KCL (SACK)	50 kg	1970
KCL (BRINE)	bbl	1588
Q BROXIN	25 kg	662
SURFLO W-300	55 gal	16
TORQ TRIM II	55 gal	2
WALLNUT	25 kg	20
SODA ASH	50 kg	65
STOKOPOL EM-35	25 liters	98
$CaCl_2$	50 kg	122
SOLTEX	50 lb	100
IMCO SPOT	25 kg	120
PIPE LAX	55 gal	5

30" casing	Section I	-	9,543.95
20" casing	Section II	-	18,078.74
13 3/8" casing	Section III	-	207,779.00
9 5/8" casing	Section IV	-	165,331.40
8 3/8" open hole	Section V	-	28,664.59
			$429,397.68