



## FORMATION PRESSURE WORKSHEET

Well Name :		35/4-1		Rig :		Treasure Saga		Date :		15.04.97							
Pressure Units :		Bars		RKB-MSL :		26 m.		MSL-SBed:		378 m.		Witnessed by :		Giskeødegaard/Rodgers/Knape			
Run No/ Test No.	Depth		Initial Hydrostatic Pressure		Formation Pressure		Final Hydrostatic Pressure		Time		Formation Pressure	Test Temp	Good Data?	Sample Information			Remarks
	mMD RKB	mTVD RKB	Strain	HP	Strain	HP	Strain	HP	Set	Retract				sg EMD	degC	Y/N	
3A/1	4086,5	4085,2	761,7	761,41	737,9	738,09	761,4	761,58	04:51	05:18	1,841		?				0,2
3A/2	4081,5	4080,2	760,9	760,69	743,4	743,62	760,5	760,36	06:12	07:03	N/A	137,2	N				Supercharge
3A/3	4085,0	4083,7	761,3	761,49	737,0	737,22	761,2	761,43	07:10	07:28	1,840	137,9	Y			20	0,5
3A/4	4086,5	4085,2	761,5	761,78	N/A	N/A		761,68	07:38	07:48	N/A		N				Tight
3A/5	4092,0	4090,7	762,6	762,83	N/A	N/A		762,75	08:00	08:06	N/A	138,2	N				Tight
3A/6	4101,0	4099,6	764,2	764,47	N/A	N/A		764,44	08:15	08:21	N/A		N				Tight
3A/7	4101,5	4100,1		764,5	N/A	N/A		764,47	08:30	08:35	N/A		N				Tight
3A/8	4122,0	4120,5	768,2	768,41	N/A	N/A	768,1	768,27	08:43	08:55	N/A	139,0	N				Tight
3A/9	4141,3	4139,7	771,7	771,95	N/A	N/A	771,6	771,81	09:20	09:30	N/A	140,0	N				Tight
3A/10	4151,5	4149,9	773,6	773,84	N/A	N/A	773,5	773,67	09:34	09:43	N/A	140,5	N			3,1	Tight
3A/11	4155,0	4153,4	774,1	774,38	N/A	N/A	774,1	774,28	09:50	09:57	N/A	141,1	N			3	Tight
3A/12	4157,0	4155,4	774,5	774,75	N/A	N/A	774,5	774,84	10:05	10:12	N/A	141,5	N			2,8	Tight
3A/13	4179,0	4177,3	778,6	778,84	N/A	N/A	778,5	778,79	10:29	10:35	N/A	142,1	N			2,8	Tight
3A/14	4193,0	4191,2	781,1	781,37	N/A	N/A	781,3	781,26	10:48	10:53	N/A	141,6	N			2,5	Tight
3A/15	4203,0	4201,2	783,0	783,28	N/A	N/A	782,9	783,11	10:59	11:09	N/A	143,1	N			2,9	Tight
3A/16	4205,5	4203,7	783,4	783,62	N/A	N/A	783,4	783,55	11:10	11:21	N/A	148,5	N				Tight
3A/17	4206,0	4204,2	783,4	783,60	N/A	N/A			11:24	12:20	N/A	148,0	N				Tight
3A/18	4205,0	4203,2	783,2	783,44	N/A	N/A					N/A		N				Tight

NB: Fmtn Press sg calculated from RKB





FORMATION PRESSURE WORKSHEET

Well Name		35/4-1		Rig :		Treasure Saga		Date :		01-02.05.97							
Pressure Units :		Bars		RKB-MSL : 26		m.		MSL-SBed:		378 m.		Witnessed by :		Rodgers/Nyby/Nielsen/Henderson			
Run No/ Test No.	Depth		Initial Hydrostatic Pressure		Formation Pressure		Final Hydrostatic Pressure		Time		Formation Pressure	Test Temp	Good Data?	Sample Information			Remarks
	mMD RKB	mTVD RKB	Strain	HP	Strain	HP	Strain	HP	Set	Retract				sg EMD	degC	Y/N	
4B/1	4449.5	4446.0	848.19	848.307		668.323		848.234	18:39	18:59		150.0	N				Too low permeability
4B/2	4485.0	4481.1	854.82	85.488	800.65	800.740	854.69	854.712	19:18	19:30	1.82	151.3	Y				Mobility: 5.4mD/Cp
4B/3	4488.5	4484.6	855.46	855.544	800.61	800.708	855.35	855.410	19:32	19:40	1.82	151.9	Y				Mobility: 14.8 mD/Cp
4B/4	4492.0	4488.1	856.12	856.194	801.58	801.670		856.007	19:41	19:57		152.2	N				Mob: 0.1 mD/Cp Supercharged?
4B/5	4503.5	4499.4	858.42	858.429	801.82	801.876		858.277	20:05	20:10	1.82	152.9	Y				Mobility: 144.6 mD/Cp
4B/6	4510.0	4505.9	859.64	859.657		777.813		859.544	20:15			153.3	N				Too low permeability
4B/7	4526.0	4521.7	862.59	862.571		632.655		862.473	20:39			153.9	N				Too low permeability
4B/8	4557.0	4552.4	868.60	868.512		648.717		868.354	20:46			154.0	N				Too low permeability
4B/9	4560.0	4555.4	869.22	869.083		641.976		868.917	21:03			154.4	N				Too low permeability
4B/10	4564.0	4558.3	869.92	869.779		632.673		869.676	21:10			154.6	N				Too low permeability
4B/11	4705.0	4698.5		895.777		628.301		895.664					N				Too low permeability
4B/12	4708.5	4701.4	896.69	896.417		676.569		896.318	22:22			158.8	N				Too low permeability
4B/13	4716.0	4709.3	896.70	897.904		633.840		897.751	22:29			159.0	N				Too low permeability
4B/14	4721.5	4714.2	899.23	898.922	824.92	824.672	899.02	898.725		22:47	1.78	159.8	Y				0.2mD/cp
4B/15	4725.0	4718.2	899.82	899.538	825.64	825.340	899.65	899.353	22:50	23:03	1.78		Y?				0.2mD/Cp Slight supercharged
4B/16	4731.5	4724.5	901.06	900.786		651.716		900.650	23:07	23:11			N				Too low permeability
4B/17	4732.0	4725.1	901.02	900.717		646.662		900.651	23:15				N				Too low permeability
4B/18	4743.0	4735.9	903.29	902.966	830.78	830.541		902.755	23:25	23:33		161.2	N				Mob: 0.3 mD/Cp Supercharged

NB: Fmtn Press sg calculated from RKB



Well Name		35/4-1		Rig :		Treasure Saga		Date :		01-02-05.97							
Pressure Units :		Bars		RKB-MSL : 26		m.		MSL-SBed:		378 m.		Witnessed by :		Rodgers/Nyby/Nilser/Henderson			
Run No./ Test No.	Depth		Initial Hydrostatic Pressure		Formation Pressure		Final Hydrostatic Pressure		Time hh:mm		Formation Pressure sg EMD	Test Temp degC	Good Data? Y/N	Sample Information			Remarks
	mMD RKB	mTVD RKB	Strain	HP	Strain	HP	Strain	HP	Set	Retract				Main Fluid Type	HC Gravity g/cc	Sample Vol, cc	
4B/19	4744.1	4736.9	903.32	903.016		855.158		902.929	23:36	23:45		161.4	N				Mob: 0.28mD/Cp Supercharged
4B/20	4757.0	4749.7	905.93	905.595		641.288		905.432	23:47	23:53		161.7	N				Low permeability
4B/21	4773.5	4766.0	909.06	908.707		651.186		908.532	23:56	00:01		161.9	N				Low permeability
4B/22	4809.0	4800.7	915.6	915.232		836.640		914.987	00:05	00:17		162.6	N				Mob: 0.32mD/Cp Supercharged
4B/23	4877.0	4867.1	928.41	928.082					00:40	00:45		163.7	N				Low permeability
4B/24	4721.5	4714.2	900.11	893.373								161.9?	N				Low permeability
4B/25	4723.9	4717.2			825.58	825.085			02:25		1.78	161.0	Y				Mobility: 0.1 mD/Cp
4B/26	4715.9	4709.3	897.92	897.396					02:47	02:53		161.1	N				Low permeability
4B/27	4713.0	4706.3	897.42	896.640					02:55	03:10		161.1	N				Mob: 0.1 mD/Cp Supercharged
4B/28	4503.5	4499.4	858.68	858.692	802.7	801.60			03:45	06:59	1.82	153.9	Y				1 gal sample
4B/29	4506.5	4502.4	859.6	858.57	803.1	801.98	859.6	867.5	07:11	07:15	1.82	155.7	Y				Mobility: 52.3 mD/Cp
4B/30	4500.5	4495.2	858.4	857.26			858.4	855.16	07:22	07:25		155.7	N				Mobility: 1.7 mD/Cp Tight
4B/31	4206.0	4204.2	804.3	802.71					07:52	07:56		150.6?	N				Tight
4B/32	4157.0	4155.4	795.1	791.14					08:08	08:09		147.2	N				Tight
4B/33	4082.0	4080.7	781.8	780.19					08:17	08:19		145.9	N				Tight

NB: Fmtn Press sg calculated from RKB

Norsk Hydro

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 35/4-1

Hole section: WATER BASED SYSTEM

Date	Depth [m]	Mud Type	Dens [sg]	Filtrate		Filt.cake		HPHT [psi/DegC]	pH	Alcalinity			Inhib [Kg/m3]	K+	CL-	Ca++	Mg++	Tot [mg]	Percentage			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
				API	HPHT	API	HPHT			Pm	Pf	Mf							Chem	hard	Solid			
23-dec-1996 23:59	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0

Hole section: 36\* WATER BASED SYSTEM

Date	Depth [m]	Mud Type	Dens [sg]	Filtrate		Filt.cake		HPHT [psi/DegC]	pH	Alcalinity			Inhib [Kg/m3]	K+	CL-	Ca++	Mg++	Tot [mg]	Percentage			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
				API	HPHT	API	HPHT			Pm	Pf	Mf							Chem	hard	Solid			
24-dec-1996 23:59	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0
25-dec-1996 00:00	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0

Hole section: 26\* WATER BASED SYSTEM

Date	Depth [m]	Mud Type	Dens [sg]	Filtrate		Filt.cake		HPHT [psi/DegC]	pH	Alcalinity			Inhib [Kg/m3]	K+	CL-	Ca++	Mg++	Tot [mg]	Percentage			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
				API	HPHT	API	HPHT			Pm	Pf	Mf							Chem	hard	Solid			
26-dec-1996 00:00	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0
27-dec-1996 00:00	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0
28-dec-1996 00:00	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0
29-dec-1996 00:00	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0
30-dec-1996 00:00	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0
31-dec-1996 00:00	464	BENTONITE	1.05	0.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0	0
01-jan-1997 00:00	1362 1266	BENTONITE	1.30	2.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	1.0	0	0.0	0

Hole section: 17 1/2\* WATER BASED SYSTEM

Date	Depth [m]	Mud Type	Dens [sg]	Filtrate		Filt.cake		HPHT [psi/DegC]	pH	Alcalinity			Inhib [Kg/m3]	K+	CL-	Ca++	Mg++	Tot [mg]	Percentage			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
				API	HPHT	API	HPHT			Pm	Pf	Mf							Chem	hard	Solid			
02-jan-1997 23:59	1362 1266	ANCO 2000	1.30	2.0	0.0	0	0	0/0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0.0	0.0	1.0	0	0.0	0
03-jan-1997 23:00	1362 1266	ANCO 2000	1.30	2.0	0.0	0	0	0/0	8.8	0.0	0.3	1.4	130	68	64000	0	0	680	9.3	0.0	0.7	14	****	62
04-jan-1997 23:00	1920 1755	ANCO 2000	1.30	2.4	0.0	0	0	0/0	8.2	0.0	0.1	0.8	140	73	76000	600	0	740	8.8	0.0	1.0	28	****	77
05-jan-1997 23:00	2181 2011	ANCO 2000	1.30	2.2	0.0	1	0	500/140	8.0	0.0	0.0	0.9	0	73	76000	680	24	720	15.0	0.0	1.0	40	3.6	104
06-jan-1997 23:00	2181 2011	ANCO 2000	1.30	2.2	0.0	1	0	500/140	8.0	0.0	0.0	0.9	0	73	76000	680	24	720	15.0	0.0	1.0	40	3.6	104
07-jan-1997 22:00	2181 2011	ANCO 2000	1.30	2.2	0.0	1	0	500/140	8.0	0.0	0.0	0.9	0	73	76000	680	24	720	15.0	0.0	1.0	40	3.6	104
08-jan-1997 22:00	2496 2291	ANCO 2000	1.30	2.0	0.0	1	0	500/140	8.0	0.0	0.1	0.8	140	73	79000	520	43	680	15.0	0.0	1.0	40	3.6	104
09-jan-1997 19:30	2706 2440	ANCO 2000	1.30	2.7	0.0	1	0	500/140	7.9	0.0	0.1	0.8	140	73	84000	660	0	780	16.0	0.0	1.0	40	3.6	139
10-jan-1997 21:30	2845 2517	ANCO 2000	1.30	2.3	0.0	1	0	500/140	7.8	0.0	0.1	0.8	140	73	85000	520	0	0	116.5	0.0	0.5	53	****	163
11-jan-1997 23:30	3040 2550	ANCO 2000	1.30	2.2	0.0	1	0	500/140	7.8	0.0	0.0	0.8	140	73	89000	500	0	0	116.5	0.0	0.2	52	****	153
12-jan-1997 20:30	3133 2544	ANCO 2000	1.40	2.2	0.0	1	0	500/140	7.9	0.0	0.1	0.8	137	72	72000	520	0	0	19.0	0.0	0.5	52	****	167
13-jan-1997 21:30	3133 2544	ANCO 2000	1.40	2.2	0.0	1	0	500/140	7.9	0.0	0.1	0.8	137	72	72000	520	0	0	19.0	0.0	0.5	52	****	167
14-jan-1997 22:30	3133 2544	ANCO 2000	1.40	2.2	0.0	1	0	500/140	7.9	0.0	0.1	0.8	137	72	72000	520	0	0	19.0	0.0	0.5	52	****	167
15-jan-1997 22:30	3133 2544	ANCO 2000	1.40	2.2	0.0	1	0	500/140	7.9	0.0	0.1	0.8	137	72	72000	520	0	0	19.0	0.0	0.5	52	****	183
16-jan-1997 22:00	3133 2544	ANCO 2000	1.40	2.2	0.0	1	0	500/140	7.9	0.0	0.1	0.8	137	72	72000	520	0	0	19.0	0.0	0.5	52	****	184

See also the report 'DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS'

Norsk Hydro

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 35/4-1

Hole section: 17 1/2\* WATER BASED SYSTEM

Date	Depth		Mud Type	Dens [sg]	Filtrate		Filt.cake		HPHT Press/Temp [psi/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+	CL-	Ca++	Mg++	Tot hard [mg]	Percentage			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	[m]	MD			TVD	API	HPHT	API			HPHT	Pm	Pf							Mf	Oil	Sand			
17-jan-1997 19:30	3133	2544	ANCO 2000	1.40	2.2	0.0	1	0	500/140	7.9	0.0	0.1	0.8	137	72	72000	520	0	0	19.0	0.0	0.5	52	****	184
18-jan-1997 11:30	3133	2544	ANCO 2000	1.40	2.4	0.0	1	0	500/140	8.0	0.0	0.1	0.8	135	71	72000	520	0	0	18.5	0.0	0.5	52	****	157
19-jan-1997 23:00	3133	2544	ANCO 2000	1.40	2.4	0.0	1	0	500/140	7.9	0.0	0.1	0.8	135	71	72000	520	0	0	18.5	0.0	0.5	52	****	157
20-jan-1997 10:00	3133	2544	ANCO 2000	1.40	2.4	0.0	1	0	500/140	7.9	0.0	0.1	0.8	0	71	73000	500	0	0	18.5	0.0	0.2	54	3.6	155

Hole section: 12 1/4\* WATER BASED SYSTEM

Date	Depth		Mud Type	Dens [sg]	Filtrate		Filt.cake		HPHT Press/Temp [psi/DegC]	pH	Alcalinity			Inhib Chem [Kg/m3]	K+	CL-	Ca++	Mg++	Tot hard [mg]	Percentage			CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
	[m]	MD			TVD	API	HPHT	API			HPHT	Pm	Pf							Mf	Oil	Sand			
21-jan-1997 21:00	3133	2544	ANCO 2000	1.40	2.6	0.0	1	0	500/140	8.1	0.0	0.1	0.8	0	70	72000	480	72	600	18.5	0.0	0.5	49	3.6	157
22-jan-1997 22:00	3138	2544	ANCO 2000	1.40	3.1	0.0	1	0	500/140	10.5	0.0	0.0	0.0	0	65	69000	880	24	920	18.0	0.0	0.5	49	3.6	121

Hole section: 12 1/4\* OIL BASED SYSTEM

Date	Depth		Mud Type	Dens [sg]	Filtrate HPHT [ml]	Filt.cake HPHT [mm]	HPHT Press/Temp [psi/DegC]	Electrical Stability [V]	Alcalinity Pm [ml]	CaCl2 [mg/l]	Oil/Water Ratio	Percentage			ASG [sg]	LGS [Kg/m3]
	[m]	MD										TVD	Solid	Oil		
23-jan-1997 15:00	3147	2544	ANCOVERT	1.40	5.0	1	500/75	217	0.0	152	74/26	22.0	58.0	0.2	0.0	323
24-jan-1997 15:00	3159	2544	ANCOVERT	1.40	5.0	1	500/75	2000	0.0	152	75/25	18.5	61.5	0.1	0.0	124
25-jan-1997 23:15	3178	2544	ANCOVERT	1.40	2.0	1	500/75	2000	0.0	166	75/25	18.5	61.5	0.3	0.0	147
26-jan-1997 23:15	3252	2548	ANCOVERT	1.40	2.0	1	500/75	2000	0.0	197	77/23	18.0	63.0	0.2	0.0	84
27-jan-1997 21:00	3324	2555	ANCOVERT	1.40	2.4	1	500/75	2000	0.0	213	79/21	18.0	64.5	0.1	0.0	94
28-jan-1997 21:00	3343	2556	ANCOVERT	1.40	3.0	1	500/75	2000	0.0	205	79/21	18.0	64.5	0.1	0.0	95
29-jan-1997 21:00	3428	2560	ANCOVERT	1.40	2.8	1	500/75	2000	0.0	220	79/21	18.0	64.5	0.1	0.0	94
30-jan-1997 21:00	3480	2560	ANCOVERT	1.40	2.8	1	500/75	2000	0.0	236	80/20	18.0	66.0	0.1	0.0	89
31-jan-1997 00:00	3526	2560	ANCOVERT	1.40	2.8	1	500/140	2000	2.9	236	80/20	18.0	66.0	0.1	3.6	89
01-feb-1997 00:00	3564	2559	ANCOVERT	1.45	2.4	1	500/140	2000	3.0	246	82/18	20.0	66.0	0.1	3.6	111
02-feb-1997 00:00	3625	2554	ANCOVERT	1.45	2.8	1	500/140	2000	2.8	246	83/17	19.5	66.5	0.1	3.6	83
03-feb-1997 00:00	3658	2553	ANCOVERT	1.58	3.0	1	500/140	2000	3.2	241	84/16	24.0	64.0	0.1	3.6	113
04-feb-1997 00:00	3658	2553	ANCOVERT	1.58	3.0	1	500/140	2000	3.2	226	83/17	23.0	64.0	0.1	3.6	61
05-feb-1997 21:00	3668	2553	ANCOVERT	1.65	2.6	1	500/140	2000	2.9	252	83/17	25.0	62.0	0.1	3.6	58
06-feb-1997 21:00	3715	2553	ANCOVERT	1.75	2.4	1	500/140	2000	3.0	221	81/19	27.0	59.0	0.5	3.6	9
06-feb-1997 21:30	3697	2553	ANCOVERT	1.70	2.6	1	500/140	2000	2.6	238	81/19	26.0	60.0	0.4	3.6	35
07-feb-1997 21:00	3715	2553	ANCOVERT	1.75	2.4	1	500/140	2000	3.0	221	81/19	27.0	59.0	0.5	3.6	9
08-feb-1997 22:30	3715	2553	ANCOVERT	1.75	2.4	1	500/140	2000	2.7	230	81/19	27.0	59.0	0.5	3.6	9
09-feb-1997 22:00	3715	2553	ANCOVERT	1.75	3.0	1	500/140	2000	2.6	221	81/19	28.0	58.0	0.6	3.6	48
10-feb-1997 21:00	3715	2553	ANCOVERT	1.75	3.0	1	500/140	2000	3.0	213	81/19	28.0	58.0	0.6	3.6	64
11-feb-1997 22:00	3715	2553	ANCOVERT	1.75	2.8	1	500/140	2000	3.0	217	82/18	28.0	59.0	0.5	3.6	61
13-feb-1997 22:00	3715	2553	ANCOVERT	1.75	2.6	1	500/140	2000	2.8	226	82/18	28.0	59.0	0.5	3.6	61
14-feb-1997 22:00	3715	2553	ANCOVERT	1.75	2.4	1	500/140	2000	3.0	217	82/18	28.5	58.5	0.5	3.6	88
15-feb-1997 22:00	3715	2553	ANCOVERT	1.75	2.8	1	500/140	2000	2.6	196	82/18	28.5	58.5	0.5	3.6	89
16-feb-1997 22:00	3715	2553	ANCOVERT	1.75	2.8	1	500/140	2000	2.6	196	82/18	28.5	58.5	0.5	3.6	89

See also the report 'DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS'

Norsk Hydro

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 35/4-1

Hole section: 12 1/4"														OIL BASED SYSTEM									
Date	Depth		Mud Type	Dens	Filtrate	Filt.cake	HPHT	Electrical	Alcalinity	CaCl2	Oil/Water	Percentage			ASG	LGS							
	MD	TVD		[sg]	HPHT	HPHT	Press/Temp	Stability	Pm		Ratio	Solid	Oil	Sand									
					[ml]	[mm]	[psi/DegC]	[V]	[ml]	[mg/l]		[%]	[%]	[%]	[sg]	[Kg/m3]							
17-feb-1997	22:00	3715	2553	ANCOVERT	1.75	2.8	1	500/140	2000	2.6	196	82/18	28.5	58.5	0.5	3.6	89						
18-feb-1997	00:00	3715	2553	ANCOVERT	1.75	2.6	1	500/140	2000	2.6	196	82/18	28.5	58.5	0.0	3.6	89						
19-feb-1997	22:00	3715	2553	ANCOVERT	1.75	2.6	1	500/140	2000	2.6	196	82/18	28.5	58.5	0.0	3.6	89						
20-feb-1997	23:00	3715	2553	ANCOVERT	1.75	2.8	1	500/140	2000	2.6	196	82/18	28.5	58.5	0.0	3.6	89						
21-feb-1997	23:00	3715	2553	ANCOVERT	1.75	2.4	1	500/140	2000	2.6	196	82/18	28.5	58.5	0.0	3.6	89						
22-feb-1997	23:00	3715	2553	ANCOVERT	1.75	2.6	1	500/140	2000	2.6	185	82/18	28.5	58.5	0.0	3.6	88						
23-feb-1997	00:00	3715	2553	ANCOVERT	1.75	2.8	1	500/140	2000	2.6	185	82/18	28.5	58.5	0.0	3.6	88						
24-feb-1997	00:00	3715	2553	ANCOVERT	1.75	2.8	1	500/140	2000	2.2	185	82/18	28.5	58.5	0.0	3.6	88						
25-feb-1997	21:00	3100	2545	ANCOVERT	1.75	2.8	1	500/140	2000	2.2	203	81/19	28.0	58.0	0.0	3.6	64						
26-feb-1997	21:00	3715	2553	ANCOVERT	1.75	2.2	1	500/140	2000	2.5	196	82/18	28.0	59.0	0.0	3.6	61						
27-feb-1997	21:00	3715	2553	ANCOVERT	1.75	2.0	1	500/140	2000	2.2	161	79/21	28.0	57.0	0.0	3.6	68						
28-feb-1997	21:00	3715	2553	ANCOVERT	1.75	2.0	1	500/140	2000	2.3	172	81/19	28.0	58.0	0.2	3.6	64						
01-mar-1997	21:00	3715	2553	ANCOVERT	1.75	2.2	1	500/140	2000	2.4	162	81/19	28.0	58.0	0.2	3.6	64						
02-mar-1997	21:00	3715	2553	ANCOVERT	1.75	2.0	1	500/140	2000	2.3	162	81/19	28.0	58.0	0.2	3.4	64						
03-mar-1997	21:00	3715	2553	ANCOVERT	1.75	2.0	1	500/140	2000	2.2	162	81/19	28.0	58.0	0.2	3.6	64						
04-mar-1997	21:00	3715	2553	ANCOVERT	1.75	2.2	1	500/125	2000	2.2	162	81/19	28.0	58.0	0.2	0.0	64						

Hole section: 8 1/2"														OIL BASED SYSTEM									
Date	Depth		Mud Type	Dens	Filtrate	Filt.cake	HPHT	Electrical	Alcalinity	CaCl2	Oil/Water	Percentage			ASG	LGS							
	MD	TVD		[sg]	HPHT	HPHT	Press/Temp	Stability	Pm		Ratio	Solid	Oil	Sand									
					[ml]	[mm]	[psi/DegC]	[V]	[ml]	[mg/l]		[%]	[%]	[%]	[sg]	[Kg/m3]							
06-mar-1997	20:00	3715	2553	ANCOVERT	1.75	2.0	1	500/125	840	0.0	183	58/14	28.0	58.0	0.2	****	64						
07-mar-1997	20:00	3715	2553	ANCOVERT	1.75	2.0	1	500/125	840	0.0	173	81/19	28.0	58.0	0.2	****	64						
08-mar-1997	20:00	3715	2553	ANCOVERT	1.75	2.0	1	500/125	840	0.0	173	81/19	28.0	58.0	0.2	****	64						
09-mar-1997	20:00	3715	2553	ANCOVERT	1.75	2.0	1	500/125	840	2.4	173	81/19	28.0	58.0	0.2	****	64						
10-mar-1997	16:00	0		ANCOVERT	1.75	2.0	1	500/140	800	2.4	162	81/19	28.0	58.0	0.2	3.6	64						
12-mar-1997	16:00	0		ANCOVERT	1.75	2.0	1	500/140	790	2.0	162	81/19	28.0	58.0	0.2	3.6	64						
13-mar-1997	16:00	0		ANCOVERT	1.75	2.0	1	500/140	750	2.0	162	81/19	28.0	58.0	0.2	3.6	58						
14-mar-1997	22:00	0		ANCOVERT	1.75	2.0	1	500/140	750	2.0	162	81/19	28.0	58.0	0.2	3.6	64						
15-mar-1997	22:00	3715	2553	ANCOVERT	1.75	2.0	1	500/140	810	2.6	182	80/20	30.0	56.0	3.0	3.6	175						
18-mar-1997	23:00	3711	2553	ANCOVERT	1.75	2.2	1	500/140	800	2.5	182	80/20	29.0	57.0	2.5	3.6	119						
19-mar-1997	22:00	3711	2553	ANCOVERT	1.75	2.2	1	500/140	800	2.4	176	80/20	29.0	56.5	2.0	3.6	121						
19-mar-1997	23:00	3735	2553	ANCOVERT	1.75	2.0	1	500/140	585	1.2	184	78/22	29.0	55.5	0.5	3.6	125						
21-mar-1997	22:00	3802	2552	ANCOVERT	1.75	2.0	1	500/140	708	2.5	176	80/20	29.0	56.5	0.2	3.6	121						
22-mar-1997	22:00	3837	2552	ANCOVERT	1.75	2.0	1	500/140	760	2.4	173	80/20	30.0	56.0	0.2	3.6	174						
23-mar-1997	22:00	3868	2551	ANCOVERT	1.76	1.8	1	500/140	779	2.4	163	81/19	30.0	57.0	0.0	3.6	155						
24-mar-1997	23:30	3954	2551	ANCOVERT	1.83	1.6	1	500/140	723	2.3	187	83/17	33.0	55.8	0.0	3.6	200						
25-mar-1997	21:00	3992	2554	ANCOVERT	1.83	1.6	1	500/140	860	2.2	170	83/17	33.0	55.5	0.0	3.6	201						
26-mar-1997	22:00	3992	2554	ANCOVERT	1.83	1.6	1	500/140	860	2.4	176	83/17	31.0	57.0	0.0	3.6	93						
27-mar-1997	22:00	4005	2554	ANCOVERT	1.83	2.2	1	500/140	650	3.0	241	83/17	31.0	57.0	0.0	3.6	92						
28-mar-1997	22:00	4072	2558	ANCOVERT	1.90	2.6	1	500/140	950	3.2	241	82/18	33.0	55.0	0.0	3.6	89						
29-mar-1997	23:59	4084	2558	ANCOVERT	1.90	2.6	1	500/140	950	3.2	240	83/17	33.0	55.5	0.0	3.6	87						

See also the report 'DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS'

Norsk Hydro

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 35/4-1

Hole section: 8 1/2"			OIL BASED SYSTEM														
Date	Depth [m]		Mud Type	Dens	Filtrate	Filt.cake	HPHT	Electrical	Alcalinity	CaCl2	Oil/Water	Percentage			ASG	LGS	
	MD	TVD		[sg]	[ml]	[mm]	[psi/DegC]	[V]	[ml]	[mg/l]	Ratio	Solid [%]	Oil [%]	Sand [%]	[sg]	[Kg/m3]	
30-mar-1997	23:59	4093	2558	ANCOVERT	1.90	2.4	1	500/140	840	3.1	208	83/17	33.0	55.5	0.0	3.6	87
31-mar-1997	21:00	4108	2559	ANCOVERT	1.90	2.4	1	500/140	940	3.1	195	83/17	33.0	55.5	0.8	3.6	87
01-apr-1997	21:00	4108	2559	ANCOVERT	1.90	2.8	1	500/140	990	3.1	195	83/17	33.0	55.5	0.3	3.6	87
02-apr-1997	22:00	4113	2559	ANCOVERT	1.90	2.4	1	500/140	960	3.1	204	84/16	33.0	56.0	0.2	3.6	85
03-apr-1997	22:00	4139	2560	ANCOVERT	1.90	2.2	1	500/140	920	2.9	191	84/16	33.0	56.0	0.2	3.6	86
04-apr-1997	22:00	4141	2560	ANCOVERT	1.90	2.6	1	500/140	1020	2.9	199	84/16	33.0	56.5	0.2	3.6	84
05-apr-1997	21:30	4174	2562	ANCOVERT	1.90	2.6	1	500/140	950	3.0	209	85/15	34.0	56.0	0.1	3.6	137
06-apr-1997	22:30	4178	2562	ANCOVERT	1.90	2.4	1	500/140	920	2.9	221	85/15	34.0	56.0	0.1	3.6	137
07-apr-1997	22:00	4219	2565	ANCOVERT	1.90	2.4	1	500/140	880	2.9	209	85/15	34.0	56.0	0.2	3.6	137
08-apr-1997	20:00	4219	2565	ANCOVERT	1.90	2.6	1	500/140	900	2.9	209	85/15	34.0	56.0	0.1	3.6	137
09-apr-1997	23:30	4245	2567	ANCOVERT	1.90	2.8	1	500/140	980	2.9	233	85/15	34.0	56.0	0.1	3.6	137
10-apr-1997	23:00	4263	2569	ANCOVERT	1.90	3.4	1	500/140	780	1.7	209	85/15	34.0	56.0	0.1	3.6	137
11-apr-1997	22:00	4267	2569	ANCOVERT	1.90	2.6	1	500/140	760	2.3	245	85/15	34.0	56.0	0.1	3.6	137
12-apr-1997	22:30	4267	2569	ANCOVERT	1.90	2.6	1	500/140	760	2.1	233	85/15	34.0	56.0	0.1	3.6	137
13-apr-1997	21:00	4294	2571	ANCOVERT	1.90	2.6	1	500/140	960	2.0	233	85/15	34.0	56.0	0.2	3.6	137
14-apr-1997	22:30	0		ANCOVERT	1.90	3.6	1	500/140	1260	2.0	221	85/15	34.0	56.0	0.1	3.6	137
15-apr-1997	23:00	0		ANCOVERT	1.90	2.2	1	500/140	1180	2.1	209	85/15	34.0	56.0	0.1	3.6	137
16-apr-1997	22:30	4324	2573	ANCOVERT	1.95	2.8	1	500/140	960	2.2	221	85/15	34.0	56.0	0.1	3.6	39
17-apr-1997	23:00	4447	2570	ANCOVERT	1.95	2.8	1	500/140	860	2.4	239	87/13	36.5	55.0	0.2	3.6	188
18-apr-1997	22:00	4464	2568	ANCOVERT	1.95	2.2	1	500/140	820	2.0	252	87/13	36.5	55.0	0.2	3.6	188
19-apr-1997	23:00	4475	2567	ANCOVERT	1.95	2.2	1	500/140	880	2.2	253	86/14	36.0	55.0	0.2	3.6	162
20-apr-1997	22:30	4478	2566	ANCOVERT	1.95	2.6	1	500/140	910	2.4	228	86/14	36.5	54.5	0.2	3.6	190
21-apr-1997	23:59	4579	2555	ANCOVERT	1.95	2.6	1	500/140	870	2.4	241	86/14	37.0	54.0	0.2	3.6	217
22-apr-1997	20:30	4669	2544	ANCOVERT	1.95	2.2	1	500/140	850	2.4	228	86/14	37.0	54.0	0.5	3.6	217
23-apr-1997	20:30	4709	2539	ANCOVERT	1.95	2.8	2	500/140	820	2.3	228	86/14	37.0	54.0	0.5	3.6	217
24-apr-1997	22:00	4737	2536	ANCOVERT	1.95	2.6	2	500/140	815	2.7	228	86/14	37.0	54.0	0.2	3.6	217
25-apr-1997	22:00	4737	2536	ANCOVERT	1.95	2.4	2	500/140	815	2.4	228	86/14	37.5	53.5	0.2	3.6	245
26-apr-1997	22:00	4737	2536	ANCOVERT	1.95	2.6	2	500/140	845	2.7	215	86/14	37.0	54.0	0.5	3.6	217
27-apr-1997	22:00	4826	2526	ANCOVERT	1.95	2.2	2	500/140	800	2.4	215	86/14	37.5	53.5	0.5	3.6	245
28-apr-1997	22:00	4877	2520	ANCOVERT	1.95	2.2	2	500/140	900	2.4	236	87/13	39.0	53.0	0.5	3.6	324
29-apr-1997	22:00	4934	2513	ANCOVERT	1.95	2.8	2	500/140	830	2.4	215	86/14	37.0	54.0	0.5	3.6	217
30-apr-1997	22:00	4936	2513	ANCOVERT	1.95	2.6	2	500/140	820	2.4	215	86/14	37.0	54.0	0.2	3.6	217
01-may-1997	22:00	4936	2513	ANCOVERT	1.95	2.6	2	500/140	1080	2.2	215	86/14	37.0	54.0	0.2	3.6	217
02-may-1997	22:00	4936	2513	ANCOVERT	1.95	0.0	2	500/140	1080	2.2	215	86/14	37.0	54.0	0.2	3.6	217
03-may-1997	22:00	4936	2513	ANCOVERT	1.95	2.6	2	500/140	1130	2.2	215	86/14	37.0	54.0	0.2	3.6	217
04-may-1997	22:00	4936	2513	ANCOVERT	1.95	2.8	2	500/140	1010	2.1	215	86/14	37.0	54.0	0.2	3.6	217

See also the report 'DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS'



Norsk Hydro

DAILY MUD PROPERTIES : OTHER PARAMETERS FOR WELL 35/4-1

Hole section: 0.0

OIL BASED SYSTEM

Date	Depth [m]	Mud Type	Dens [sg]	Filtrate HPHT [ml]	Filt.cake HPHT [mm]	HPHT Press/Temp [psi/DegC]	Electrical Stability [V]	Alcalinity Pm [ml]	CaCl2 [mg/l]	Oil/Water Ratio	Percentage Solid [%]	Oil [%]	Sand [%]	ASG [sg]	LGS [Kg/m3]
05-may-1997 22:00	4936 2513	ANCOVERT	1.95	2.8	2	500/140	790	2.4	215	86/14	37.0	54.0	0.2	3.6	201
06-may-1997 22:00	4936 2513	ANCOVERT	1.95	2.8	2	500/150	715	2.7	181	84/16	37.0	53.0	0.2	0.0	205
07-may-1997 22:00	4190 2563	ANCOVERT	1.95	0.0	0	500/140	690	2.7	180	84/16	37.0	53.0	0.2	3.6	221
08-may-1997 22:00	4190 2563	ANCOVERT	1.95	0.0	0	500/140	680	2.4	195	84/16	37.0	53.0	0.2	3.6	221
09-may-1997 22:00	3000 2552	ANCOVERT	1.75	0.0	0	500/140	995	3.2	151	81/19	31.0	56.0	0.2	3.6	226
10-may-1997 22:00	3000 2552	ANCOVERT	1.75	0.0	0	500/140	750	3.1	151	81/19	31.0	56.0	0.2	3.6	226
11-may-1997 22:00	3000 2552	ANCOVERT	1.76	0.0	0	500/140	720	3.0	140	81/19	31.0	56.0	0.2	3.6	210
12-may-1997 22:00	2946 2548	ANCOVERT	1.76	0.0	0	500/140	745	2.7	140	81/19	31.0	56.0	0.2	3.6	210
13-may-1997 22:00	3003 2552	ANCOVERT	1.76	0.0	0	500/140	720	2.8	140	81/19	31.0	56.0	0.2	3.4	210

Hole section: 0.0

WATER BASED SYSTEM

Date	Depth [m]	Mud Type	Dens [sg]	Filtrate API [ml]	Filt.cake API [mm]	HPHT Press/Temp [psi/DegC]	pH	Alcalinity Pm [ml]	Pf [ml]	Mf [ml]	Inhib Chem [Kg/m3]	K+ [mg/l]	CL- [mg/l]	Ca++ [mg/l]	Mg++ [mg/l]	Tot hard [mg]	Percentage Solid [%]	Oil [%]	Sand [%]	CEC [Kg/m3]	ASG [sg]	LGS [Kg/m3]
14-may-1997 22:00	1300 1216	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0
15-may-1997 23:00	1300 1216	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0
16-may-1997 23:00	1300 1216	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0
17-may-1997 23:00	1300 1216	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0
18-may-1997 00:00	1300 1216	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0
19-may-1997 22:00	1128 1076	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0
20-may-1997 20:00	1128 1076	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0
21-may-1997 04:00	1128 1076	BENTONITE	1.40	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	3.6	0

See also the report 'DAILY MUD PROPERTIES : RHEOLOGY PARAMETERS'

TOTAL CONSUMPTION OF MUD ADDITIVES ON WELL 35/4-1

Section Size	Product/Additive	Total Amount Planned	Total Amount Used	Unit	Difference		Difference in cost	
					Amount	%	%	[kNOK]
36"	ANCO BAR		108000.0	kg				
	ANCO ZAN		100.0	kg				
	BENTONITE		38000.0	kg				
	SODA ASH		250.0	kg				
26"	ANCO BAR		157000.0	kg				
	ANCO CMC EHV		525.0	kg				
	BENTONITE		75000.0	kg				
	SODA ASH		250.0	kg				
17 1/2"	ANCO 208		48600.0	l				
	ANCO BAR		351000.0	kg				
	ANCO CMC EHV		525.0	kg				
	ANCO NOFOAM		120.0	l				
	ANCO ZAN		7300.0	kg				
	ANTISOL FL10		17200.0	kg				
	CITRIC ACID		425.0	kg				
	KCL BRINE		1030000.0	l				
	KCL POWDER		7975.0	kg				
	LAMPAC EXLO		4550.0	kg				
	SODA ASH		350.0	kg				
12 1/4"	SODIUM BICARBONATE		2650.0	kg				
	SPERCELL FE		375.0	kg				
	ANCO BAR		712000.0	kg				
	ANCO VERT F		10000.0	l				
	ANCO VERT M		220.0	l				
	ANCO VERT P		16000.0	l				
	ANCO VERT S		9000.0	l				
	ANCO VERT VIS		7575.0	kg				
	ANCO ZAN		375.0	kg				
	CALSIUM CHLORIDE POWDER		22150.0	kg				
	HDF 200		632000.0	l				
18 1/2"	LIME		11600.0	kg				
	ANCO BAR		419000.0	kg				

## TOTAL CONSUMPTION OF MUD ADDITIVES ON WELL 35/4-1

Section Size	Product/Additive	Total	Total	Unit	Difference		Difference in cost		
		Amount Planned	Amount Used		Amount	%	%	[kNOK]	
8 1/2"	ANCO SUPERWASH		800.0	1					
	ANCO VERT F		3000.0	1					
	ANCO VERT M		200.0	1					
	ANCO VERT P		13000.0	1					
	ANCO VERT S		8000.0	1					
	ANCO VERT VIS		2600.0	kg					
	ANCO ZAN		275.0	kg					
	CALSIUM CHLORIDE POWDER		4100.0	kg					
	HDF 200		250000.0	1					
	LIME		4720.0	kg					
	NUTPLUG F		50.0	kg					
	10.0	ANCO BAR		350000.0	kg				
		ANCO DEFOAMER		300.0	1				
		ANCO GREEN S		800.0	1				
ANCO SUPERWASH			3200.0	1					
ANCO VERT P			1000.0	1					
ANCO VERT S			1000.0	1					
ANCO VERT VIS			875.0	kg					
ANCO ZAN			625.0	kg					
BENTONITE			14000.0	kg					
CALSIUM CHLORIDE POWDER			375.0	kg					
CITRIC ACID			775.0	kg					
DESCO CF			113.0	kg					
HDF 200			103000.0	1					
LIME			880.0	kg					
MICA F/M/C			175.0	kg					
MICA FINE			400.0	kg					
NUTPLUG C		75.0	kg						
NUTPLUG F		325.0	kg						
SODA ASH		100.0	kg						
SODIUM BICARBONATE		500.0	kg						
SPERCELL FE		625.0	kg						



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**SUMMARY**

The oilbased mud used in the interval from 2650m to 4812m contains a significant hydrocarbon signature and has caused a large uncertainty in the geochemical interpretation of the sample material. Results from vitrinite reflectance analysis, Rock-Eval pyrolysis on extracted material and pyrolysis gas chromatography are the only reliable results in this well study.

Type	startdep,m	enddep, m	name	samplith	Rock-Ev	Rock-Ev-Ex	Py-GC	Extr/Deasph.	MPLC	IATRO	GC-SAT	MS-SAT	MS-ARO	C13 F	VITR
DC	1365	1370		CLYST											1
SWC	1502	1502	28	SST	1			1	1	1	1	1	1	1	
SWC	1592	1592	25	CLYST											1
SWC	1675	1675	19	SST	1			1	1	1	1	1	1	1	
SWC	1770	1770	13	CLYST											1
SWC	1793	1793	11	SST	1			1	1	1	1	1	1	1	
SWC	1914	1914	4	CLYST											1
DC	2090	2100		CLYST											1
SWC	2346	2346	2	CLYST											1
MUD	2550	2550			1			1	1	1	1	1	1	1	
DC	2690	2700		CLYST											1
DC	2890	2900		CLYST											1
DC	3090	3100		CLYST											1
DC	3290	3300		CLYST											1
DC	3490	3500		CLYST											1
DC	3690	3695		CLYST/SLST	1	1	1	1	1	1	1	1	1	1	1
DC	3795	3800		CLYST	1	1		1	1	1	1	1	1	1	
DC	3800	3810													
DC	3895	3900		CLYST	1	1	1	1	1	1	1	1	1	1	1
DC	3995	4000		CLYST	1	1		1	1	1	1	1	1	1	
DC	4077	4080		SST/CLYST	1	1	1	1	1	1	1	1	1	1	
COCH	4084.8	4084.8		CLYST/SLST	1	1		1	1	1	1	1	1	1	1
COCH	4158	4158		CLYST/SLST	1	1		1	1	1	1	1	1	1	1
COCH	4264.5	4264.5		SH											1
MUD	4350	4350			1			1	1	1	1	1	1	1	
COCH	4472	4472		CLYST/SLST	1	1		1	1	1	1	1	1	1	1
DCOM	4502	4510		BULK	1			1	1	1	1	1	1	1	1
COCH	4709.3	4709.3		SST	1			1	1	1	1	1	1	1	1
DCOM	4805	4812		BULK	1			1	1	1	1	1	1	1	1
				Total	16	8	3	16	16	16	16	16	16	16	20

Table 1.1 List of samples analysed

Table 3.1



VITRINITE REFLECTANCE Ro (average values), WELL NOR :35/4-1

Depth (m)	Lithology	Type	Population I		Population II		Analysing Company
			%Ro	n	%Ro	n	
1370.00	CLYST	DC	0.22	( )	( )	( )	UNKNOWN
1770.00	CLYST	SWC	0.29	( )	( )	( )	UNKNOWN
1914.00	CLYST	SWC	0.37	( )	( )	( )	UNKNOWN
2100.00	CLYST	DC	0.32	( )	( )	( )	UNKNOWN
2346.00	CLYST	SWC	0.36	( )	( )	( )	UNKNOWN
2700.00	CLYST	DC	0.47	( )	( )	( )	UNKNOWN
2900.00	CLYST	DC	0.50	( )	( )	( )	UNKNOWN
3100.00	CLYST	DC	0.56	( )	( )	( )	UNKNOWN
3300.00	CLYST	DC	0.64	( )	( )	( )	UNKNOWN
3500.00	CLYST	DC	0.69	( )	( )	( )	UNKNOWN
3695.00	CLYST/SLS	DC	0.79	( )	( )	( )	UNKNOWN
3900.00	CLYST	DC	0.82	( )	( )	( )	UNKNOWN
4084.80	CLYST/SLS	COCH	0.91	( )	( )	( )	UNKNOWN
4158.00	CLYST/SLS	COCH	0.95	( )	( )	( )	UNKNOWN
4264.50	SH	COCH	0.98	( )	( )	( )	UNKNOWN
4472.00	CLYST/SLS	COCH	1.03	( )	( )	( )	UNKNOWN
4510.00	BULK	DCOM	1.04	( )	( )	( )	UNKNOWN
4709.30	SST	COCH	1.22	( )	( )	( )	UNKNOWN
4812.00	BULK	DCOM	1.14	( )	( )	( )	UNKNOWN

Table 4.1



ROCK EVAL SCREENING DATA

Well	Depth (m)	Lithology	Type	Tmax (C)	S1(kg/t)	S2 (kg/t)	TOC (%)	HI	PI	Analysing Company
NOR : 35/4-1	1502.00	SST	SWC	324	0.9	0.8	0.4	216	0.53	NORSK HYDRO
NOR : 35/4-1	1675.00	SST	SWC	327	0.7	0.8	0.3	267	0.46	NORSK HYDRO
NOR : 35/4-1	1793.00	SST	SWC	332	1.4	1.4	0.4	381	0.50	NORSK HYDRO
NOR : 35/4-1	2550.00		MUD	297	7.8	1.6	1.2	138	0.83	NORSK HYDRO
NOR : 35/4-1	3695.00	CLYST/SLS	DC	440	6.1	13.2	4.8	276	0.32	NORSK HYDRO
NOR : 35/4-1	3800.00	CLYST	DC	447	31.5	11.9	5.5	218	0.73	NORSK HYDRO
NOR : 35/4-1	3900.00	CLYST	DC	443	21.9	15.5	5.4	289	0.59	NORSK HYDRO
NOR : 35/4-1	4000.00	CLYST	DC	433	7.3	15.1	5.7	264	0.33	NORSK HYDRO
NOR : 35/4-1	4080.00	SST/CLYST	DC	425	17.1	14.0	5.2	268	0.55	NORSK HYDRO
NOR : 35/4-1	4084.80	CLYST/SLS	COCH	429	16.6	1.3	1.9	69	0.93	NORSK HYDRO
NOR : 35/4-1	4158.00	CLYST/SLS	COCH	468	3.6	3.0	4.6	66	0.54	NORSK HYDRO
NOR : 35/4-1	4350.00		MUD	327	132.0	13.9	12.7	110	0.90	NORSK HYDRO
NOR : 35/4-1	4472.00	CLYST/SLS	COCH	273	2.7	0.3	0.7	42	0.91	NORSK HYDRO
NOR : 35/4-1	4510.00	BULK	DCOM	433	0.8	2.3	1.0	237	0.25	NORSK HYDRO
NOR : 35/4-1	4709.30	SST	COCH	412	3.8	0.1	0.4	31	0.97	NORSK HYDRO
NOR : 35/4-1	4812.00	BULK	DCOM	416	4.1	7.8	3.1	256	0.35	NORSK HYDRO



**Table 4.2**



**ROCK EVAL SCREENING DATA ON EXTRACTED SEDIMENTS, WELL NOR : 35/4-1**

06-Sep-1997

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Depth (m)	Lithology	Type	Tmax (C)	S1(kg/t)	S2 (kg/t)	TOC (%)	HI	PI	Analysing Company
3695.00	CLYST/SLS	DC	446	0.0	6.3	3.9	163		NORSK HYDRO
3800.00	CLYST	DC	453	0.0	6.5	2.4	270	0.01	NORSK HYDRO
3900.00	CLYST	DC	447	0.1	8.4	3.0	283	0.01	NORSK HYDRO
4000.00	CLYST	DC	433	0.3	8.4	4.6	184	0.03	NORSK HYDRO
4080.00	SST/CLYST	DC	435	0.3	7.3	4.0	182	0.04	NORSK HYDRO
4084.80	CLYST/SLS	COCH	449	0.0	0.2	0.3	59		NORSK HYDRO
4158.00	CLYST/SLS	COCH	472	0.1	1.9	4.1	47	0.07	NORSK HYDRO
4472.00	CLYST/SLS	COCH	481	0.0	0.0	0.3			NORSK HYDRO

**Table 4.3**

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06-Sep-1997

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**PYROLYSIS-GAS CHROMATOGRAPHY DATA, WELL NOR :35/4-1**

Depth (m)	Type	C1 (%)	C2-C5 (%)	C6-C14 (%)	C15+ (%)	GORP 1)	Analysing Company
3695.00	DC	6.2	21.8	48.3	23.8	0.4	NORSK HYDRO
3900.00	DC	7.3	20.4	46.8	25.5	0.4	NORSK HYDRO
4080.00	DC	9.4	24.5	39.0	27.1	0.5	NORSK HYDRO

1)  $GORP = (C1 + C2-C5) / (C6-C14 + C15+)$

PYGC\_MS.XLS

E-Depth, m	Lith.	Org.ID#	Proj.#	Seq.#	File name	Method:	Operator:	Misc.info.	Amounts:	Cal.amount (P)	Cal.response (P)	n-C6	n-C7
3695	clyst/slst		2004629	0	3695.D	PY_SIM_A	Reidun	26.1	ng/mg	1002	2440704	4.04	5.56
3900	clyst		2004629	0	3900.D	PY_SIM_A	Reidun	25.5	ng/mg	1002	2440704	5.04	6.46
4080	clyst/sst		2004629	0	3695.D	PY_SIM_A	Reidun	20.5	ng/mg	1002	2440704	3.11	3.27

E-Depth, m	n-C8	n-C9	n-C10	n-C11	n-C12	n-C13	n-C14	n-C15	n-C16	n-C17	n-C18	n-C19	n-C20	n-C21	n-C22	n-C23	n-C24	n-C25
3695	6.33	5.01	4.48	3.96	3.35	3.91	2.98	3.41	2.68	2.93	2.01	3.40	1.21	5.32	0.93	0.91	0.87	0.74
3900	7.78	6.00	4.84	4.95	4.28	4.88	3.68	4.92	3.91	4.01	2.73	6.54	1.24	8.19	0.93	0.94	0.86	0.76
4080	5.59	3.49	3.59	4.20	4.20	2.82	2.91	3.11	4.34	2.46	2.01	3.66	0.58	3.79	0.32	1.80	0.42	0.55

E-Depth, m	n-C26	n-C27	n-C28	n-C29	n-C30	n-C6:1	n-C7:1	n-C8:1	n-C9:1	n-C10:1	n-C11:1	n-C12:1	n-C13:1	n-C14:1	n-C15:1	n-C16:1	n-C17:1
3695	0.65	0.56	0.44	0.36	0.33	10.38	6.46	5.30	4.54	4.27	3.77	3.70	3.26	3.66	2.87	4.98	2.12
3900	0.69	0.58	0.40	0.27	0.17	14.37	8.98	6.03	5.34	4.92	4.90	4.90	3.51	4.87	3.88	7.01	2.89
4080	0.54	0.15	0.17	0.02	0.07	7.15	3.36	6.39	3.11	4.12	5.77	7.85	2.32	4.75	3.53	4.41	1.72

Table 4.4 Pyrolysis GC-MSD data

E-Depth, m	Prist-1-ene	n-C18:1	n-C19:1	n-C20:1	n-C21:1	n-C22:1	n-C23:1	n-C24:1	n-C25:1	n-C26:1	n-C27:1	n-C28:1	n-C29:1	n-C30:1	Benzene	Toluene
3695	0.07	4.92	3.32	0.70	5.46	0.51	1.11	0.42	0.39	0.30	0.25	0.19	0.16	0.14	5.67	10.22
3900	0.16	8.56	5.65	0.74	7.36	0.42	0.93	0.31	0.22	0.22	0.24	0.11	0.11	0.06	8.14	9.38
4080	0.11	4.14	2.64	0.33	3.72	0.56	2.30	0.35	0.37	0.38	0.22	0.16	0.13	0.03	8.48	11.74

Table 4.4 Pyrolysis GC-MSD data

E-Depth, m	Ethylbenzene	m+p-Xylene	o-Xylene	Propylbenzene	1e,3m+1e,4-mB	1,3,5-tmB	1e,2-mB	1,2,4-tmB	1,2,3-tmB	BP	3-mBP	4-mBP	DBF	Phenol
3695	2.27	4.86	3.61	1.46	2.01	0.73	1.35	2.27	0.87	0.31	0.22	0.11	0.12	0.41
3900	3.16	4.67	3.92	2.22	2.60	0.87	1.94	2.68	0.99	0.25	0.14	0.06	0.11	0.73
4080	2.34	4.86	3.06	1.55	1.54	0.67	1.12	1.44	0.47	0.78	0.48	0.24	0.38	0.82