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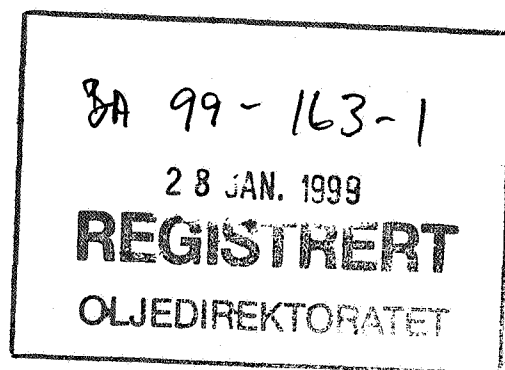
Geochemical Evaluation of Well 34/7-26A

Author(s)

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Abstract

This report consists of a standard geochemical study on source rocks, thermal maturity and migrated hydrocarbons encountered in well 34/7-26A.



Key words

Geochemistry, 34/7-26A, Tampen Spur, H-Sentral

Classification:

☐ Open ☒ Saga and partners ☐ Internal ☐ Confidential ☐ Strictly confidential

Resp. unit:					
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Reviewed	N. M. [Signature]				
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1 Introduction

This report represents a standard geochemical study on the source rocks, maturity and possible migrated hydrocarbons encountered in well 34/7-26A.

The samples analysed are listed in Table 1.1 and the screening and molecular characterisation methods used are shown in Table 1.2. Analytical procedures were carried out following "The Norwegian Industry Guide to Organic Geochemical Analyses" (3rd edition, 1993), with the exception of TOC and Rock Eval measurements (see Table 1.2), which were performed using methods accredited by Saga. Vitrinite reflectance and gas isotope measurements were carried out by IFE, Kjeller, Norway. PyGC analysis was subcontracted by Robertson Research to LC² Chromatography Ltd. All other analytical work was performed at Robertson Research International Ltd., Llandudno, UK.

All depths listed in this report refer to measured depth RKB. A chrono- and lithostratigraphic breakdown of the drilled interval is shown in Table 1.3.

Table 1.1 ANALYTICAL PROGRAM

[illegible]

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Table 1.1 ANALYTICAL PROGRAM

Well Name	Sample Name	Upper Depth	Lower Depth	Sample Type	Headspace gas analysis	Occluded gas analysis	Lithology descriptions	TOC	Rock Eval Pyrolysis	Introspect	Pyrolysis GC	Solvent Extraction	Asphaltene content	MPLC	Whole Oil GC	Saturate GC	Aromatic GC	Saturate GC/MS	Aromatic GC/MS	Gas Isotopes *	Carbon Isotopes (S & A)*
34/7-26A	98007-113	3720.0	3720.0	Cuttings	X	X	X														
34/7-26A	98007-114	3740.0	3740.0	Cuttings	X	X	X														
34/7-26A	98007-115	3750.0	3750.0	Cuttings	X	X	X														
34/7-26A	98007-116	3760.0	3760.0	Cuttings	X	X	X														
34/7-26A	98007-117	3770.0	3770.0	Cuttings	X	X	X														
34/7-26A	98007-118	3790.0	3790.0	Cuttings	X	X	X														
34/7-26A	98007-119	3810.0	3810.0	Cuttings	X	X	X														
34/7-26A	98007-120	3830.0	3830.0	Cuttings	X	X	X														
34/7-26A	98007-121	3850.0	3850.0	Cuttings	X	X	X			X		X	X	X		X	X				
34/7-26A	98007-122	3870.0	3870.0	Cuttings	X	X	X														
34/7-26A	98007-123	3890.0	3890.0	Cuttings	X	X	X														
34/7-26A	98007-124	3920.0	3920.0	Cuttings	X	X	X			X		X	X	X		X	X				
34/7-26A	98007-125	3930.0	3930.0	Cuttings	X	X	X														
34/7-26A	98007-126	3950.0	3950.0	Cuttings	X	X	X														
34/7-26A	98007-127	3970.0	3970.0	Cuttings	X	X	X			X		X	X	X		X	X				
34/7-26A	98007-128	3990.0	3990.0	Cuttings	X	X	X														
34/7-26A	98007-129	4010.0	4010.0	Cuttings	X	X	X														
34/7-26A	98007-130	4030.0	4030.0	Cuttings	X	X	X														
34/7-26A	98007-131	4050.0	4050.0	Cuttings	X	X	X														
34/7-26A	98007-132	4070.0	4070.0	Cuttings	X	X	X														
34/7-26A	98007-133	4090.0	4090.0	Cuttings	X	X	X														
34/7-26A	98007-134	4100.0	4100.0	Cuttings	X	X	X														
34/7-26A	98007-147	4106.0	4106.0	Core				X	X												
34/7-26A	98007-157	4126.8	4126.8	Core				X	X												
34/7-26A	98007-141	4130.7	4130.7	Core						X		X	X	X		X	X	X	X		
34/7-26A	98007-142	4134.8	4134.8	Core						X		X	X	X		X	X	X	X		
34/7-26A	98007-158	4146.2	4146.2	Core						X		X	X	X		X	X	X	X		
34/7-26A	98007-159	4146.5	4146.5	Core				X	X												
34/7-26A	98007-143	4152.9	4152.9	Core						X		X	X	X		X	X	X	X		
34/7-26A	98007-144	4166.5	4166.5	Core						X		X	X	X		X	X	X	X		
34/7-26A	98007-145	4178.3	4178.3	Core						X		X	X	X		X	X	X	X		
34/7-26A	98007-148	4194.4	4194.4	Core				X	X												
34/7-26A	98007-149	4196.4	4196.4	Core				X	X	X	X	X	X	X		X	X	X	X		
34/7-26A	98007-150	4198.3	4198.3	Core				X	X												
34/7-26A	98007-151	4199.2	4199.2	Core				X	X												
34/7-26A	98007-152	4201.5	4201.5	Core				X	X	X	X	X	X	X		X	X	X	X		
34/7-26A	98007-153	4204.5	4204.5	Core				X	X												
34/7-26A	98007-160	4205.3	4205.3	Core				X	X												
34/7-26A	98007-146	4207.8	4207.8	Core						X		X	X	X		X	X	X	X		
34/7-26A	98007-154	4209.5	4209.5	Core				X	X												
34/7-26A	98007-155	4212.4	4212.4	Core				X	X												
34/7-26A	98007-156	4215.5	4215.5	Core				X	X	X	X	X	X	X		X	X	X	X		
34/7-26A	98007-135	4226.0	4226.0	Cuttings	X	X	X	X	X		X										
34/7-26A	98007-136	4235.0	4235.0	Cuttings	X	X	X	X	X												
34/7-26A	98007-137	4244.0	4244.0	Cuttings	X	X	X	X	X												
34/7-26A	98007-138	4262.0	4262.0	Cuttings	X	X	X	X	X		X										
34/7-26A	98007-139	4280.0	4280.0	Cuttings	X	X	X	X	X												
34/7-26A	98007-140	4289.0	4289.0	Cuttings	X	X	X														
34/7-26A	98007-161	DST.1	DST.1	Oil									X	X	X	X	X	X	X	X	X
34/7-26A	98007-162	DST.2	DST.2	Oil									X	X	X	X	X	X	X	X	X

140 140 140 18 18 13 5 13 15 15 2 15 15 12 12 2 2

* - Samples were prepared and sent to IFE directly by Saga Petroleum A.S.A.

Table 1.2 EXPERIMENTAL PROCEDURES

ANALYSIS	INSTRUMENT	METHOD	TEMPERATURE PROGRAM	COLUMNS
Headspace gas	Perkin Elmer Sigma 3	NPD method	isothermal 110C	1/8" SS, packed
Occluded gas	Perkin Elmer Sigma 3	NPD method	isothermal 110C	1/8" SS, packed
TOC	Leco CS 125	OLS 1 *		
Rock Eval Pyrolysis	Rock Eval II	OLS 5 *	Cycle 1	
Quantitative Extraction	Soxhtec Tecator 1043	NPD method	Boil 1 hr, rinse 2hrs (DCM:MeOH, 7:1)	
Asphaltene precipitation		NPD method		
Iatroscan	Iatroscan Mk III	NPD method		
Hydrocarbon separation	Kontron HPLC	NPD method		Lobar Lichroprep Si60
Alkane GC	HP5890a (on column)	NPD method	50C 3min, 5C/min to 300C, 300C 20 min.	CP SIL-5 (30m)
Aromatic GC	AI 92	NPD method	80C 1min, 1C/min to 103C, 4C/min to 240C, 10C/min to 300C 20 min	CP SIL-8 (30m)
Pyrolysis GC **	HP5790	NPD method	30C, 6C/min to 300C, 300C 20 min.	GC-1 (30m)
Whole Oil GC	HP5890	NPD method	-10C, 10C/min to 300C, 300C 20 min.	CP SIL-5 (50m)
Alkane GC/MS	Finnegan 4000	NPD method	50C 1min, 15C/min to 210C, 2C/min to 300C 36 min.	DB-5MS (60m)
Aromatic GC/MS	Finnegan 4000	NPD method	100C 1min, 10C/min to 310C 15 min.	DB-5MS (60m)
Isotope analysis	sub contracted and run at Saga's request by IFE			

* - TOC and Rock Eval methods are comparable with NPD method. However we do not have Black Ven Marl. Consequently, the Rock Eval was calibrated with a standard related to Delsi IFP standard. In house check standards are run at greater frequency than prescribed in the NPD guidelines. Furthermore, both these methods are NAMAS accredited. Robertson Laboratories has been NAMAS accredited for the majority of it's geochemical services since 1991. NAMAS, an organisation established by the UK government, has reciprocal agreements with Norske Veritas. NAMAS accreditation is specifically designed for laboratory testing and is broadly based on ISO 9001. Robertson Laboratories were audited by Saga (Audit no. SAGA-93-110) and it's geochemical methods which are accredited by NAMAS were found to be satisfactory.

** - Pyrolysis GC analysis was subcontracted to LC² Chromatography Ltd.

Table 3.1 ROCK EVAL PYROLYSIS TOC DATA

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	S1 mg/g	S2 mg/g	S3 mg/g	Tmax deg C	TOC % wt
34/7-26A	NOR	98007-147	4106.0	4106.0	Core	4.12	1.09	0.67	*	1.21
34/7-26A	NOR	98007-157	4126.8	4126.8	Core	8.18	0.78	0.44	*	0.63
34/7-26A	NOR	98007-159	4146.5	4146.5	Core	15.79	40.89	0.64	423	9.47
34/7-26A	NOR	98007-148	4194.4	4194.4	Core	6.40	11.00	0.42	422	2.52
34/7-26A	NOR	98007-149	4196.4	4196.4	Core	3.25	21.75	0.55	420	4.83
34/7-26A	NOR	98007-150	4198.3	4198.3	Core	2.29	21.77	0.54	420	4.51
34/7-26A	NOR	98007-151	4199.2	4199.2	Core	2.21	21.20	0.52	418	4.61
34/7-26A	NOR	98007-152	4201.5	4201.5	Core	5.23	41.63	0.72	416	9.68
34/7-26A	NOR	98007-153	4204.5	4204.5	Core	3.60	37.56	0.68	421	7.69
34/7-26A	NOR	98007-160	4205.3	4205.3	Core	4.22	43.02	0.49	420	7.40
34/7-26A	NOR	98007-154	4209.5	4209.5	Core	4.25	20.99	0.51	416	5.30
34/7-26A	NOR	98007-155	4212.4	4212.4	Core	2.28	28.30	0.71	415	8.92
34/7-26A	NOR	98007-156	4215.5	4215.5	Core	5.74	29.44	0.70	419	2.31
34/7-26A	NOR	98007-135	4226.0	4226.0	Cuttings	15.91	19.74	0.75	422	6.23
34/7-26A	NOR	98007-136	4235.0	4235.0	Cuttings	9.38	17.66	0.64	422	4.98
34/7-26A	NOR	98007-137	4244.0	4244.0	Cuttings	10.44	12.38	0.60	430	3.65
34/7-26A	NOR	98007-138	4262.0	4262.0	Cuttings	11.01	9.32	0.82	431	2.88
34/7-26A	NOR	98007-139	4280.0	4280.0	Cuttings	17.31	8.81	0.97	431	3.17

* - T Max not reliable

Table 3.2 PYROLYSIS GC PEAK AREA DATA

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 %	C2-C5 %	C6-14 %	C15+ %
34/7-26A	NOR	98007-149	4196.4	4196.4	Core	4.1	15.4	50.6	29.9
34/7-26A	NOR	98007-152	4201.5	4201.5	Core	3.0	11.6	45.1	40.3
34/7-26A	NOR	98007-156	4215.5	4215.5	Core	4.9	15.3	42.5	37.3
34/7-26A	NOR	98007-135	4226.0	4226.0	Cuttings	5.0	14.6	41.8	38.6
34/7-26A	NOR	98007-138	4262.0	4262.0	Cuttings	4.7	7.5	68.9	18.8

Table 4.1 LITHOLOGY DESCRIPTIONS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
34/7-26A	98007-1	1400.0	1400.0	Cuttings	Clyst, brn blk + 20% Sltst, brn gy, calc + 10% Clyst, med dk gy, calc
34/7-26A	98007-2	1430.0	1430.0	Cuttings	Clyst, lt brn gy + 20% Sltst, brn gy, calc
34/7-26A	98007-3	1460.0	1460.0	Cuttings	Clyst, lt brn gy + 20% Sltst, brn gy, calc
34/7-26A	98007-4	1490.0	1490.0	Cuttings	Clyst, lt brn gy + 20% Sltst, brn gy, calc
34/7-26A	98007-5	1520.0	1520.0	Cuttings	Clyst, lt brn gy + 20% Sltst, brn gy, calc
34/7-26A	98007-6	1550.0	1550.0	Cuttings	Clyst, lt brn gy + 20% Sltst, brn gy, calc + 20% Clyst, brn gy
34/7-26A	98007-7	1560.0	1560.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy + 10% Sltst, brn gy, calc
34/7-26A	98007-8	1580.0	1580.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy + 20% Sltst, brn gy, calc
34/7-26A	98007-9	1590.0	1590.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy + 20% Sltst, brn gy, calc + 10% Lst, lt gy
34/7-26A	98007-10	1600.0	1600.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy + 10% Sh, brn gy
34/7-26A	98007-11	1610.0	1610.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-12	1620.0	1620.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-13	1630.0	1630.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-14	1640.0	1640.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-15	1650.0	1650.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-16	1660.0	1660.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-17	1670.0	1670.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-18	1680.0	1680.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy + 20% Clyst, lt gy
34/7-26A	98007-19	1690.0	1690.0	Cuttings	Clyst, brn gy + 20% Clyst, olv gy
34/7-26A	98007-20	1700.0	1700.0	Cuttings	Clyst, brn gy + 20% Clyst, lt brn gy
34/7-26A	98007-21	1720.0	1720.0	Cuttings	Clyst, lt brn gy + 20% Clyst, brn gy
34/7-26A	98007-22	1730.0	1730.0	Cuttings	Clyst, lt brn gy + 20% Clyst, brn gy + 20% med dk gy
34/7-26A	98007-23	1740.0	1740.0	Cuttings	Clyst, lt brn gy + 20% Clyst, med dk gy + 10% Clyst, brn gy
34/7-26A	98007-24	1750.0	1750.0	Cuttings	Clyst, med dk gy + 20% Clyst, lt brn gy
34/7-26A	98007-25	1760.0	1760.0	Cuttings	Clyst, med dk gy + 20% Clyst, lt brn gy
34/7-26A	98007-26	1790.0	1790.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy + 10% Clyst, v lt gy
34/7-26A	98007-27	1820.0	1820.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-28	1850.0	1850.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-29	1860.0	1860.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-30	1870.0	1870.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-31	1880.0	1880.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy
34/7-26A	98007-32	1900.0	1900.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy
34/7-26A	98007-33	1920.0	1920.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-34	1930.0	1930.0	Cuttings	Clyst, med dk gy + 20% Sh, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-35	1940.0	1940.0	Cuttings	Sh, med dk gy + 20% Clyst, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-36	1960.0	1960.0	Cuttings	Sh, med dk gy + 20% Clyst, med dk gy + tr Clyst, v lt gy
34/7-26A	98007-37	1990.0	1990.0	Cuttings	Sh, med dk gy + 20% Clyst, med dk gy + tr Clyst, v lt gy

Table 4.1 LITHOLOGY DESCRIPTIONS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
34/7-26A	98007-38	2020.0	2020.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt brn gy
34/7-26A	98007-39	2050.0	2050.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt brn gy
34/7-26A	98007-40	2080.0	2080.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt brn gy + tr Cyst, brn gy
34/7-26A	98007-41	2100.0	2100.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, lt brn gy
34/7-26A	98007-42	2120.0	2120.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, lt brn gy
34/7-26A	98007-43	2150.0	2150.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, lt brn gy
34/7-26A	98007-44	2180.0	2180.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, lt brn gy
34/7-26A	98007-45	2200.0	2200.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, lt brn gy
34/7-26A	98007-46	2220.0	2220.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy
34/7-26A	98007-47	2240.0	2240.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-48	2250.0	2250.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-49	2280.0	2280.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-50	2310.0	2310.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-51	2340.0	2340.0	Cuttings	Sh, med brn gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-52	2360.0	2360.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-53	2380.0	2380.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy + tr Sst, pa yel brn
34/7-26A	98007-54	2400.0	2400.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-55	2420.0	2420.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-56	2440.0	2440.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-57	2460.0	2460.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-58	2480.0	2480.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-59	2510.0	2510.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-60	2540.0	2540.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-61	2570.0	2570.0	Cuttings	Cyst, lt olv gy + 20% Sh, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-62	2600.0	2600.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-63	2630.0	2630.0	Cuttings	Sh, med dk gy + 20% Cyst, med dk gy + 20% Sh, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-64	2660.0	2660.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 20% Cyst, med dk gy + tr Cyst, v lt gy
34/7-26A	98007-65	2690.0	2690.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Sh, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-66	2720.0	2720.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Sh, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-67	2740.0	2740.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Sh, lt olv gy + tr Cyst, v lt gy + tr Sh, dk gy
34/7-26A	98007-68	2760.0	2760.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Sh, lt olv gy + tr Cyst, v lt gy + tr Sh, dk gy
34/7-26A	98007-69	2790.0	2790.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Sh, lt olv gy + tr Cyst, v lt gy + tr Sh, dk gy
34/7-26A	98007-70	2820.0	2820.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Sh, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-71	2850.0	2850.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Sh, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-72	2880.0	2880.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-73	2910.0	2910.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-74	2930.0	2930.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy

Table 4.1 LITHOLOGY DESCRIPTIONS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
34/7-26A	98007-75	2940.0	2940.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 10% Cyst, lt olv gy + tr Cyst, v lt gy + tr Cyst, lt med gy
34/7-26A	98007-76	2960.0	2960.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 10% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-77	2990.0	2990.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 10% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-78	3000.0	3000.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 10% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-79	3020.0	3020.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 10% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-80	3040.0	3040.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 10% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-81	3060.0	3060.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 10% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-82	3080.0	3080.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 10% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-83	3100.0	3100.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-84	3130.0	3130.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-85	3160.0	3160.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-86	3190.0	3190.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt olv gy + tr Cyst, lt med gy
34/7-26A	98007-87	3210.0	3210.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt med gy + tr Cyst, lt olv gy
34/7-26A	98007-88	3240.0	3240.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt med gy + tr Cyst, lt olv gy
34/7-26A	98007-89	3260.0	3260.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt med gy + tr Cyst, lt olv gy
34/7-26A	98007-90	3270.0	3270.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt med gy + tr Cyst, lt olv gy
34/7-26A	98007-91	3300.0	3300.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Cyst, lt med gy + tr Cyst, lt olv gy + tr Sh, dk gy
34/7-26A	98007-92	3320.0	3320.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Cyst, lt med gy + tr Cyst, lt olv gy + tr Sh, rd gy
34/7-26A	98007-93	3350.0	3350.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Cyst, lt med gy + tr Sh, dk gy + tr Sh, rd gy
34/7-26A	98007-94	3370.0	3370.0	Cuttings	Sh, med dk gy + 20% Cyst, lt olv gy + 20% Cyst, lt med gy + tr Sh, dk gy + tr Sh, lt olv gy
34/7-26A	98007-95	3390.0	3390.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, dk gy + tr Cyst, lt med gy
34/7-26A	98007-96	3410.0	3410.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, dk gy
34/7-26A	98007-97	3430.0	3430.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, dk gy
34/7-26A	98007-98	3450.0	3450.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, dk gy
34/7-26A	98007-99	3480.0	3480.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, dk gy
34/7-26A	98007-100	3500.0	3500.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, dk gy
34/7-26A	98007-101	3520.0	3520.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, brn gy
34/7-26A	98007-102	3540.0	3540.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, brn gy
34/7-26A	98007-103	3560.0	3560.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, brn gy
34/7-26A	98007-104	3570.0	3570.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-105	3590.0	3590.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-106	3610.0	3610.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + 20% Cyst, lt olv gy + tr Sh, dk gy
34/7-26A	98007-107	3630.0	3630.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy + tr Sh, dk gy + tr Sh, rd gy
34/7-26A	98007-108	3650.0	3650.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + 20% Cyst, lt olv gy + tr Sh, rd gy + tr Cyst, v lt gy
34/7-26A	98007-109	3670.0	3670.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, rd gy + tr Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-110	3690.0	3690.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + 10% Cyst, rd gy + tr Cyst, lt olv gy
34/7-26A	98007-111	3700.0	3700.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + tr Cyst, rd gy + tr Cyst, v lt gy

Table 4.1 LITHOLOGY DESCRIPTIONS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology Descriptions
34/7-26A	98007-112	3710.0	3710.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + tr Cyst, rd gy + tr Cyst, v lt gy
34/7-26A	98007-113	3720.0	3720.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + tr Cyst, rd gy + tr Cyst, v lt gy
34/7-26A	98007-114	3740.0	3740.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + tr Cyst, rd gy + tr Cyst, v lt gy
34/7-26A	98007-115	3750.0	3750.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + tr Cyst, rd gy + tr Cyst, v lt gy
34/7-26A	98007-116	3760.0	3760.0	Cuttings	Sh, lt med gy + 20% Sh, med dk gy + tr Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-117	3770.0	3770.0	Cuttings	Sh, lt gy + 20% Sh, med dk gy + tr Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-118	3790.0	3790.0	Cuttings	Sh, lt gy + 20% Sh, med dk gy + tr Cyst, lt olv gy + tr Cyst, rd gy
34/7-26A	98007-119	3810.0	3810.0	Cuttings	Sh, lt gy + 20% Sh, med dk gy + tr Cyst, lt olv gy + tr Cyst, rd gy
34/7-26A	98007-120	3830.0	3830.0	Cuttings	Sh, lt gy + 20% Sh, med dk gy + tr Cyst, lt olv gy + tr Cyst, rd gy + tr Cyst, v lt gy
34/7-26A	98007-121	3850.0	3850.0	Cuttings	Sh, med dk gy + 20% Sh, lt gy + tr Cyst, lt olv gy + tr Cyst, pa yel brn
34/7-26A	98007-122	3870.0	3870.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + tr Cyst, lt olv gy + tr Cyst, v lt gy
34/7-26A	98007-123	3890.0	3890.0	Cuttings	Sh, med dk gy + 20% Sh, lt med gy + 20% Cyst, lt olv gy
34/7-26A	98007-124	3920.0	3920.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 20% Cyst, lt olv gy + tr Cyst, pa yel brn
34/7-26A	98007-125	3930.0	3930.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + 20% Sh, lt med gy + tr Cyst, pa yel brn
34/7-26A	98007-126	3950.0	3950.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy
34/7-26A	98007-127	3970.0	3970.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy
34/7-26A	98007-128	3990.0	3990.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy
34/7-26A	98007-129	4010.0	4010.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Cyst, lt olv gy
34/7-26A	98007-130	4030.0	4030.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + tr Cyst, lt olv gy
34/7-26A	98007-131	4050.0	4050.0	Cuttings	Sh, lt olv gy + 20% Sh, med dk gy + tr Cyst, lt olv gy
34/7-26A	98007-132	4070.0	4070.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Cyst, lt olv gy
34/7-26A	98007-133	4090.0	4090.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Cyst, lt olv gy
34/7-26A	98007-134	4100.0	4100.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Cyst, lt olv gy + tr Cyst, pa yel brn
34/7-26A	98007-135	4226.0	4226.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 20% Sh, dk gy + tr Cyst, lt olv gy + tr Cyst, pa yel brn
34/7-26A	98007-136	4235.0	4235.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Sh, dk gy + tr Cyst, v lt gy
34/7-26A	98007-137	4244.0	4244.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Sh, dk gy + tr Cyst, lt olv gy
34/7-26A	98007-138	4262.0	4262.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + 10% Sh, dk gy + tr Cyst, pa yel brn
34/7-26A	98007-139	4280.0	4280.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Sh, dk gy + tr Cyst, pa yel brn
34/7-26A	98007-140	4289.0	4289.0	Cuttings	Sh, med dk gy + 20% Sh, lt olv gy + tr Sh, dk gy + tr Cyst, pa yel brn + tr Cyst, v lt gy

Table 4.2 HEADSPACE GAS ANALYSIS

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock
34/7-26A	NOR	98007-1	1400.0	1400.0	Cuttings	995.7	1.7	0.8			
34/7-26A	NOR	98007-2	1430.0	1430.0	Cuttings	1967.9	3.1	1.4			
34/7-26A	NOR	98007-3	1460.0	1460.0	Cuttings	1386.3	1.5	0.5			
34/7-26A	NOR	98007-4	1490.0	1490.0	Cuttings	1442.7	2.5	0.9			
34/7-26A	NOR	98007-5	1520.0	1520.0	Cuttings	1185.8	1.6	0.4			
34/7-26A	NOR	98007-6	1550.0	1550.0	Cuttings	2942.0	5.9	1.2			
34/7-26A	NOR	98007-7	1560.0	1560.0	Cuttings	544.0	2.8	0.6			
34/7-26A	NOR	98007-8	1580.0	1580.0	Cuttings	99.9	1.1	0.5			
34/7-26A	NOR	98007-9	1590.0	1590.0	Cuttings	238.2	2.4	0.7			
34/7-26A	NOR	98007-10	1600.0	1600.0	Cuttings	393.5	4.4	0.8			
34/7-26A	NOR	98007-11	1610.0	1610.0	Cuttings	167.1	3.3	1.3			
34/7-26A	NOR	98007-12	1620.0	1620.0	Cuttings	74.1	1.0	0.3			
34/7-26A	NOR	98007-13	1630.0	1630.0	Cuttings	67.8	1.8	0.8			
34/7-26A	NOR	98007-14	1640.0	1640.0	Cuttings	57.9	1.1	0.4			
34/7-26A	NOR	98007-15	1650.0	1650.0	Cuttings	47.1	0.8	0.3			
34/7-26A	NOR	98007-16	1660.0	1660.0	Cuttings	77.0	0.9	0.3			
34/7-26A	NOR	98007-17	1670.0	1670.0	Cuttings	92.9	0.6	0.2			
34/7-26A	NOR	98007-18	1680.0	1680.0	Cuttings	358.6	1.4	0.7			
34/7-26A	NOR	98007-19	1690.0	1690.0	Cuttings	506.2	0.9	0.3			
34/7-26A	NOR	98007-20	1700.0	1700.0	Cuttings	485.8	1.6	0.7			
34/7-26A	NOR	98007-21	1720.0	1720.0	Cuttings	390.5	1.2	0.4			
34/7-26A	NOR	98007-22	1730.0	1730.0	Cuttings	313.9	2.0	0.5			
34/7-26A	NOR	98007-23	1740.0	1740.0	Cuttings	168.3	1.1	0.3			
34/7-26A	NOR	98007-24	1750.0	1750.0	Cuttings	108.0	0.8	0.2			
34/7-26A	NOR	98007-25	1760.0	1760.0	Cuttings	171.3	0.9	0.3			
34/7-26A	NOR	98007-26	1790.0	1790.0	Cuttings	133.8	0.7	0.5			
34/7-26A	NOR	98007-27	1820.0	1820.0	Cuttings	48.9	0.5	0.4			
34/7-26A	NOR	98007-28	1850.0	1850.0	Cuttings	77.1	1.0	0.9			
34/7-26A	NOR	98007-29	1860.0	1860.0	Cuttings	59.1	0.5	0.4			
34/7-26A	NOR	98007-30	1870.0	1870.0	Cuttings	54.4	0.4	0.4			
34/7-26A	NOR	98007-31	1880.0	1880.0	Cuttings	42.9	0.7	0.3			
34/7-26A	NOR	98007-32	1900.0	1900.0	Cuttings	38.4	0.5	0.1			
34/7-26A	NOR	98007-33	1920.0	1920.0	Cuttings	53.3	0.8	0.4			
34/7-26A	NOR	98007-34	1930.0	1930.0	Cuttings	38.1	0.5	0.2			
34/7-26A	NOR	98007-35	1940.0	1940.0	Cuttings	33.4	0.6	0.4			
34/7-26A	NOR	98007-36	1960.0	1960.0	Cuttings	112.6	0.7	0.2			

Table 4.2 HEADSPACE GAS ANALYSIS

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock
34/7-26A	NOR	98007-37	1990.0	1990.0	Cuttings	88.9	0.5	0.2			
34/7-26A	NOR	98007-38	2020.0	2020.0	Cuttings	246.9	0.4	0.2			
34/7-26A	NOR	98007-39	2050.0	2050.0	Cuttings	69.6	0.4	0.3			
34/7-26A	NOR	98007-40	2080.0	2080.0	Cuttings	16.5	0.5	0.3			
34/7-26A	NOR	98007-41	2100.0	2100.0	Cuttings	40.3	3.1	0.2			
34/7-26A	NOR	98007-42	2120.0	2120.0	Cuttings	61.9	0.4	0.3			
34/7-26A	NOR	98007-43	2150.0	2150.0	Cuttings	66.2	1.0	0.5			
34/7-26A	NOR	98007-44	2180.0	2180.0	Cuttings	49.8	0.8	0.6			
34/7-26A	NOR	98007-45	2200.0	2200.0	Cuttings	11.1	0.3	0.3			
34/7-26A	NOR	98007-46	2220.0	2220.0	Cuttings	36.2	4.9	1.1			
34/7-26A	NOR	98007-47	2240.0	2240.0	Cuttings	145.1	0.8	0.3			
34/7-26A	NOR	98007-48	2250.0	2250.0	Cuttings	107.6	0.8	0.4			
34/7-26A	NOR	98007-49	2280.0	2280.0	Cuttings	42.6	0.6	0.4			
34/7-26A	NOR	98007-50	2310.0	2310.0	Cuttings	51.7	0.8	0.5			
34/7-26A	NOR	98007-51	2340.0	2340.0	Cuttings	92.8	0.8	0.4			
34/7-26A	NOR	98007-52	2360.0	2360.0	Cuttings	112.4	0.8	0.5			
34/7-26A	NOR	98007-53	2380.0	2380.0	Cuttings	40.3	0.6	0.4			
34/7-26A	NOR	98007-54	2400.0	2400.0	Cuttings	42.3	0.3	0.1			
34/7-26A	NOR	98007-55	2420.0	2420.0	Cuttings	144.7	1.3	0.4			
34/7-26A	NOR	98007-56	2440.0	2440.0	Cuttings	88.9	0.8	0.1			
34/7-26A	NOR	98007-57	2460.0	2460.0	Cuttings	156.5	2.1	0.5			
34/7-26A	NOR	98007-58	2480.0	2480.0	Cuttings	763.8	10.4	0.4			
34/7-26A	NOR	98007-59	2510.0	2510.0	Cuttings	239.2	6.9	0.3			
34/7-26A	NOR	98007-60	2540.0	2540.0	Cuttings	226.0	7.2	0.5	0.8	0.1	
34/7-26A	NOR	98007-61	2570.0	2570.0	Cuttings	500.6	22.3	0.7	0.8		
34/7-26A	NOR	98007-62	2600.0	2600.0	Cuttings	437.1	26.3	1.5	2.8	0.3	0.4
34/7-26A	NOR	98007-63	2630.0	2630.0	Cuttings	169.7	5.0	0.4	0.4	0.0	0.1
34/7-26A	NOR	98007-64	2660.0	2660.0	Cuttings	373.7	6.8	0.5	0.5		0.1
34/7-26A	NOR	98007-65	2690.0	2690.0	Cuttings	298.6	9.6	0.9	1.4	0.2	0.6
34/7-26A	NOR	98007-66	2720.0	2720.0	Cuttings	481.1	11.0	0.7	0.7	0.1	0.5
34/7-26A	NOR	98007-67	2740.0	2740.0	Cuttings	514.8	8.0	0.5	0.7	0.1	0.3
34/7-26A	NOR	98007-68	2760.0	2760.0	Cuttings	844.5	18.3	1.4	1.6	0.1	0.8
34/7-26A	NOR	98007-69	2790.0	2790.0	Cuttings	731.4	14.6	0.9	0.9	0.2	0.4
34/7-26A	NOR	98007-70	2820.0	2820.0	Cuttings	431.4	15.9	1.9	1.7	0.5	0.6
34/7-26A	NOR	98007-71	2850.0	2850.0	Cuttings	811.3	27.5	3.3	2.7	0.8	1.3
34/7-26A	NOR	98007-72	2880.0	2880.0	Cuttings	47.6	2.3	0.3	0.2		

Table 4.2 HEADSPACE GAS ANALYSIS

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock
34/7-26A	NOR	98007-73	2910.0	2910.0	Cuttings	351.2	16.5	3.2	1.8	0.3	0.6
34/7-26A	NOR	98007-74	2930.0	2930.0	Cuttings	687.7	17.0	2.3	1.4	0.2	0.5
34/7-26A	NOR	98007-75	2940.0	2940.0	Cuttings	221.8	8.1	1.5	0.8	0.1	0.4
34/7-26A	NOR	98007-76	2960.0	2960.0	Cuttings	344.8	12.8	2.7	1.0	0.2	0.5
34/7-26A	NOR	98007-77	2990.0	2990.0	Cuttings	476.2	9.9	2.1	0.8	0.2	0.2
34/7-26A	NOR	98007-78	3000.0	3000.0	Cuttings	353.3	9.1	2.2	0.8	0.2	0.3
34/7-26A	NOR	98007-79	3020.0	3020.0	Cuttings	489.6	10.9	2.4	0.9	0.3	0.3
34/7-26A	NOR	98007-80	3040.0	3040.0	Cuttings	708.3	13.0	2.3	0.8	0.2	0.3
34/7-26A	NOR	98007-81	3060.0	3060.0	Cuttings	848.9	18.5	5.5	2.1	0.9	0.8
34/7-26A	NOR	98007-82	3080.0	3080.0	Cuttings	51.6	6.9	1.3	0.5	0.2	0.1
34/7-26A	NOR	98007-83	3100.0	3100.0	Cuttings	644.9	17.6	6.3	2.4	0.8	0.8
34/7-26A	NOR	98007-84	3130.0	3130.0	Cuttings	763.4	11.5	2.0	0.5	0.2	0.2
34/7-26A	NOR	98007-85	3160.0	3160.0	Cuttings	404.3	7.3	2.0	0.7	0.2	0.2
34/7-26A	NOR	98007-86	3190.0	3190.0	Cuttings	689.6	10.8	1.8	0.5	0.2	0.2
34/7-26A	NOR	98007-87	3210.0	3210.0	Cuttings	299.7	6.2	1.7	0.5	0.2	0.1
34/7-26A	NOR	98007-88	3240.0	3240.0	Cuttings	788.3	13.4	2.1			
34/7-26A	NOR	98007-89	3260.0	3260.0	Cuttings	982.1	11.0	1.4	0.2		
34/7-26A	NOR	98007-90	3270.0	3270.0	Cuttings	1495.3	17.8	2.1			
34/7-26A	NOR	98007-91	3300.0	3300.0	Cuttings	946.0	16.2	2.5			
34/7-26A	NOR	98007-92	3320.0	3320.0	Cuttings	1388.9	14.6	1.4			
34/7-26A	NOR	98007-93	3350.0	3350.0	Cuttings	473.3	6.4	0.7	0.2		
34/7-26A	NOR	98007-94	3370.0	3370.0	Cuttings	287.1	6.7	1.1			
34/7-26A	NOR	98007-95	3390.0	3390.0	Cuttings	423.0	8.1	1.5	0.2		
34/7-26A	NOR	98007-96	3410.0	3410.0	Cuttings	145.0	4.5	1.4	0.2	0.2	0.1
34/7-26A	NOR	98007-97	3430.0	3430.0	Cuttings	158.8	5.8	1.9	0.3	0.2	
34/7-26A	NOR	98007-98	3450.0	3450.0	Cuttings	328.6	11.1	3.3	0.5	0.6	0.4
34/7-26A	NOR	98007-99	3480.0	3480.0	Cuttings	185.7	7.6	3.4	0.6	0.8	
34/7-26A	NOR	98007-100	3500.0	3500.0	Cuttings	254.3	8.6	4.4	0.9		0.8
34/7-26A	NOR	98007-101	3520.0	3520.0	Cuttings	169.5	10.3	4.8	0.6	1.1	0.2
34/7-26A	NOR	98007-102	3540.0	3540.0	Cuttings	122.7	7.8	6.8	1.3	1.4	0.4
34/7-26A	NOR	98007-103	3560.0	3560.0	Cuttings	265.4	12.4	12.7	2.7	3.3	0.0
34/7-26A	NOR	98007-104	3570.0	3570.0	Cuttings	91.2	8.3	12.2	2.8	3.9	0.4
34/7-26A	NOR	98007-105	3590.0	3590.0	Cuttings	164.6	8.5	9.6	2.0	2.7	0.3
34/7-26A	NOR	98007-106	3610.0	3610.0	Cuttings	217.8	12.1	18.0	3.4	4.3	0.5
34/7-26A	NOR	98007-107	3630.0	3630.0	Cuttings	496.5	18.1	23.3	4.4	5.6	0.7
34/7-26A	NOR	98007-108	3650.0	3650.0	Cuttings	226.7	13.3	20.7	4.0	5.8	0.6

Table 4.2 HEADSPACE GAS ANALYSIS

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock
34/7-26A	NOR	98007-109	3670.0	3670.0	Cuttings	283.8	17.1	27.8	5.8	8.3	1.1
34/7-26A	NOR	98007-110	3690.0	3690.0	Cuttings	121.8	8.6	14.6	3.0	4.3	0.4
34/7-26A	NOR	98007-111	3700.0	3700.0	Cuttings	394.0	31.7	67.5	13.6	19.5	2.5
34/7-26A	NOR	98007-112	3710.0	3710.0	Cuttings	95.5	10.1	22.3	4.9	7.6	1.2
34/7-26A	NOR	98007-113	3720.0	3720.0	Cuttings	123.8	8.5	14.7	3.1	5.5	1.0
34/7-26A	NOR	98007-114	3740.0	3740.0	Cuttings	95.7	7.2	12.3	2.6	4.3	0.6
34/7-26A	NOR	98007-115	3750.0	3750.0	Cuttings	149.3	12.1	25.9	5.7	9.3	0.8
34/7-26A	NOR	98007-116	3760.0	3760.0	Cuttings	28.8	1.9	1.7	0.2	0.4	0.2
34/7-26A	NOR	98007-117	3770.0	3770.0	Cuttings	97.0	7.8	10.5	1.5	3.2	0.5
34/7-26A	NOR	98007-118	3790.0	3790.0	Cuttings	96.5	11.9	24.0	3.9	8.3	1.3
34/7-26A	NOR	98007-119	3810.0	3810.0	Cuttings	121.8	23.0	61.5	11.3	24.4	4.1
34/7-26A	NOR	98007-120	3830.0	3830.0	Cuttings	150.9	41.9	115.6	21.4	46.2	8.6
34/7-26A	NOR	98007-121	3850.0	3850.0	Cuttings	153.6	110.6	217.3	33.7	69.6	12.4
34/7-26A	NOR	98007-122	3870.0	3870.0	Cuttings	339.9	230.9	436.7	72.9	158.5	29.9
34/7-26A	NOR	98007-123	3890.0	3890.0	Cuttings	264.3	149.2	301.4	48.2	97.9	18.1
34/7-26A	NOR	98007-124	3920.0	3920.0	Cuttings	340.4	225.4	323.9	47.8	94.0	16.8
34/7-26A	NOR	98007-125	3930.0	3930.0	Cuttings	247.7	156.7	311.5	52.1	104.5	21.9
34/7-26A	NOR	98007-126	3950.0	3950.0	Cuttings	681.7	550.5	994.5	155.3	319.0	56.8
34/7-26A	NOR	98007-127	3970.0	3970.0	Cuttings	349.9	184.2	507.2	95.1	197.6	39.4
34/7-26A	NOR	98007-128	3990.0	3990.0	Cuttings	292.0	180.4	504.5	93.0	194.2	39.8
34/7-26A	NOR	98007-129	4010.0	4010.0	Cuttings	370.9	238.3	781.1	153.9	312.9	63.2
34/7-26A	NOR	98007-130	4030.0	4030.0	Cuttings	81.3	30.1	82.7	16.1	33.5	5.2
34/7-26A	NOR	98007-131	4050.0	4050.0	Cuttings	288.9	83.6	250.8	49.8	106.3	19.1
34/7-26A	NOR	98007-132	4070.0	4070.0	Cuttings	252.3	86.4	315.3	63.1	127.3	23.8
34/7-26A	NOR	98007-133	4090.0	4090.0	Cuttings	292.8	203.0	500.6	73.1	145.7	20.1
34/7-26A	NOR	98007-134	4100.0	4100.0	Cuttings	476.6	363.0	766.1	99.5	215.6	26.7
34/7-26A	NOR	98007-135	4226.0	4226.0	Cuttings	14209.2	5214.4	3357.1	393.3	805.3	128.7
34/7-26A	NOR	98007-136	4235.0	4235.0	Cuttings	10711.9	4064.0	3007.8	325.5	655.9	111.8
34/7-26A	NOR	98007-137	4244.0	4244.0	Cuttings	5578.0	3098.5	3280.4	431.0	844.9	126.8
34/7-26A	NOR	98007-138	4262.0	4262.0	Cuttings	3323.9	2292.3	2067.8	240.7	449.9	56.6
34/7-26A	NOR	98007-139	4280.0	4280.0	Cuttings	1188.4	691.5	655.3	65.5	117.8	12.8
34/7-26A	NOR	98007-140	4289.0	4289.0	Cuttings	1450.5	1147.6	1314.4	162.6	299.1	29.0

Table 4.3 OCCLUDED GAS ANALYSIS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock	SUM C1-C4	SUM C2-C4	Wetness %	iC4 nC4
34/7-26A	98007-1	1400.0	1400.0	Cuttings	42	2	1	0	0	9	45	3	7.13	#DIV/0!
34/7-26A	98007-2	1430.0	1430.0	Cuttings	31	1	1	0	0	11	33	2	4.77	#DIV/0!
34/7-26A	98007-3	1460.0	1460.0	Cuttings	62	2	1	0	0	13	64	2	3.36	#DIV/0!
34/7-26A	98007-4	1490.0	1490.0	Cuttings	35	1	1	0	0	9	37	2	4.48	#DIV/0!
34/7-26A	98007-5	1520.0	1520.0	Cuttings	63	1	1	0	0	10	65	2	3.50	#DIV/0!
34/7-26A	98007-6	1550.0	1550.0	Cuttings	28	1	0	0	0	10	29	1	4.43	#DIV/0!
34/7-26A	98007-7	1560.0	1560.0	Cuttings	10	2	1	0	0	9	12	2	20.37	#DIV/0!
34/7-26A	98007-8	1580.0	1580.0	Cuttings	7	1	1	0	0	15	9	2	19.56	#DIV/0!
34/7-26A	98007-9	1590.0	1590.0	Cuttings	14	1	0	0	0	11	15	1	7.20	#DIV/0!
34/7-26A	98007-10	1600.0	1600.0	Cuttings	5	0	0	0	0	9	5	0	0.00	#DIV/0!
34/7-26A	98007-11	1610.0	1610.0	Cuttings	6	0	0	0	0	14	6	0	0.00	#DIV/0!
34/7-26A	98007-12	1620.0	1620.0	Cuttings	5	0	0	0	0	11	5	0	0.00	#DIV/0!
34/7-26A	98007-13	1630.0	1630.0	Cuttings	11	0	0	0	0	15	11	0	0.00	#DIV/0!
34/7-26A	98007-14	1640.0	1640.0	Cuttings	12	3	3	0	0	23	19	7	37.03	0.90
34/7-26A	98007-15	1650.0	1650.0	Cuttings	9	1	1	0	0	11	11	2	18.20	#DIV/0!
34/7-26A	98007-16	1660.0	1660.0	Cuttings	9	2	2	0	1	15	13	4	33.37	0.00
34/7-26A	98007-17	1670.0	1670.0	Cuttings	18	1	1	0	0	15	20	2	11.23	#DIV/0!
34/7-26A	98007-18	1680.0	1680.0	Cuttings	30	2	2	0	0	23	34	4	12.87	0.00
34/7-26A	98007-19	1690.0	1690.0	Cuttings	41	4	1	0	0	14	45	5	10.48	#DIV/0!
34/7-26A	98007-20	1700.0	1700.0	Cuttings	40	2	1	0	0	18	43	3	6.87	#DIV/0!
34/7-26A	98007-21	1720.0	1720.0	Cuttings	32	2	1	0	0	21	34	3	7.94	#DIV/0!
34/7-26A	98007-22	1730.0	1730.0	Cuttings	16	1	1	0	0	18	18	2	11.77	#DIV/0!
34/7-26A	98007-23	1740.0	1740.0	Cuttings	9	1	2	0	0	16	12	3	22.93	#DIV/0!
34/7-26A	98007-24	1750.0	1750.0	Cuttings	10	2	1	0	0	21	13	3	22.69	#DIV/0!
34/7-26A	98007-25	1760.0	1760.0	Cuttings	11	2	2	0	0	29	14	4	25.80	#DIV/0!
34/7-26A	98007-26	1790.0	1790.0	Cuttings	12	3	1	0	0	18	16	4	25.26	#DIV/0!
34/7-26A	98007-27	1820.0	1820.0	Cuttings	7	2	1	0	0	25	10	2	23.97	#DIV/0!
34/7-26A	98007-28	1850.0	1850.0	Cuttings	6	0	0	0	0	5	6	0	0.00	#DIV/0!
34/7-26A	98007-29	1860.0	1860.0	Cuttings	8	1	0	0	0	7	8	1	9.31	#DIV/0!
34/7-26A	98007-30	1870.0	1870.0	Cuttings	14	2	2	0	1	12	19	5	26.77	0.00
34/7-26A	98007-31	1880.0	1880.0	Cuttings	6	0	0	0	0	8	6	0	0.00	#DIV/0!
34/7-26A	98007-32	1900.0	1900.0	Cuttings	10	0	0	0	0	28	10	0	0.00	#DIV/0!
34/7-26A	98007-33	1920.0	1920.0	Cuttings	8	0	0	0	0	17	8	0	0.00	#DIV/0!
34/7-26A	98007-34	1930.0	1930.0	Cuttings	11	0	0	0	0	18	11	0	0.00	#DIV/0!
34/7-26A	98007-35	1940.0	1940.0	Cuttings	5	0	0	0	0	18	5	0	0.00	#DIV/0!
34/7-26A	98007-36	1960.0	1960.0	Cuttings	13	1	0	0	0	21	15	2	10.58	#DIV/0!

Table 4.3 OCCLUDED GAS ANALYSIS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock	SUM C1-C4	SUM C2-C4	Wetness %	iC4 nC4
34/7-26A	98007-37	1990.0	1990.0	Cuttings	7	1	0	0	0	15	8	1	12.20	#DIV/0!
34/7-26A	98007-38	2020.0	2020.0	Cuttings	6	0	0	0	0	16	6	0	0.00	#DIV/0!
34/7-26A	98007-39	2050.0	2050.0	Cuttings	5	0	0	0	0	14	6	0	8.29	#DIV/0!
34/7-26A	98007-40	2080.0	2080.0	Cuttings	11	2	2	0	0	17	16	4	26.77	#DIV/0!
34/7-26A	98007-41	2100.0	2100.0	Cuttings	5	0	0	0	0	14	5	0	0.00	#DIV/0!
34/7-26A	98007-42	2120.0	2120.0	Cuttings	13	4	3	0	0	25	20	7	35.11	#DIV/0!
34/7-26A	98007-43	2150.0	2150.0	Cuttings	6	0	0	0	0	26	6	0	0.00	#DIV/0!
34/7-26A	98007-44	2180.0	2180.0	Cuttings	12	3	1	0	0	18	16	4	23.45	#DIV/0!
34/7-26A	98007-45	2200.0	2200.0	Cuttings	12	4	2	0	0	17	17	6	32.88	#DIV/0!
34/7-26A	98007-46	2220.0	2220.0	Cuttings	10	2	0	0	0	19	12	2	13.58	#DIV/0!
34/7-26A	98007-47	2240.0	2240.0	Cuttings	7	1	0	0	0	19	8	1	8.16	#DIV/0!
34/7-26A	98007-48	2250.0	2250.0	Cuttings	13	4	2	0	1	18	19	7	34.88	0.00
34/7-26A	98007-49	2280.0	2280.0	Cuttings	7	1	1	0	0	21	9	2	20.54	#DIV/0!
34/7-26A	98007-50	2310.0	2310.0	Cuttings	10	2	1	0	1	24	15	5	30.98	0.00
34/7-26A	98007-51	2340.0	2340.0	Cuttings	7	1	0	0	0	16	9	1	16.23	#DIV/0!
34/7-26A	98007-52	2360.0	2360.0	Cuttings	11	3	1	0	0	24	15	4	24.83	#DIV/0!
34/7-26A	98007-53	2380.0	2380.0	Cuttings	8	1	1	0	0	25	10	2	20.50	#DIV/0!
34/7-26A	98007-54	2400.0	2400.0	Cuttings	11	4	3	0	1	19	19	8	41.13	0.09
34/7-26A	98007-55	2420.0	2420.0	Cuttings	5	0	0	0	0	17	5	1	13.98	#DIV/0!
34/7-26A	98007-56	2440.0	2440.0	Cuttings	8	1	0	0	0	28	9	2	16.72	#DIV/0!
34/7-26A	98007-57	2460.0	2460.0	Cuttings	5	0	0	0	0	13	6	1	14.96	#DIV/0!
34/7-26A	98007-58	2480.0	2480.0	Cuttings	7	1	1	0	2	42	12	4	38.09	0.12
34/7-26A	98007-59	2510.0	2510.0	Cuttings	6	0	0	0	0	12	6	0	0.00	#DIV/0!
34/7-26A	98007-60	2540.0	2540.0	Cuttings	5	2	0	0	0	11	7	2	25.98	#DIV/0!
34/7-26A	98007-61	2570.0	2570.0	Cuttings	8	5	1	0	0	15	13	6	43.42	7.20
34/7-26A	98007-62	2600.0	2600.0	Cuttings	12	6	0	0	0	23	18	6	32.89	#DIV/0!
34/7-26A	98007-63	2630.0	2630.0	Cuttings	5	1	1	1	0	17	8	3	40.35	1.83
34/7-26A	98007-64	2660.0	2660.0	Cuttings	6	0	0	0	0	28	6	0	0.00	#DIV/0!
34/7-26A	98007-65	2690.0	2690.0	Cuttings	5	0	0	0	0	25	5	0	0.00	#DIV/0!
34/7-26A	98007-66	2720.0	2720.0	Cuttings	10	2	1	0	0	31	13	3	23.42	#DIV/0!
34/7-26A	98007-67	2740.0	2740.0	Cuttings	9	1	0	0	0	19	10	1	7.31	#DIV/0!
34/7-26A	98007-68	2760.0	2760.0	Cuttings	19	6	2	2	1	47	30	11	36.71	2.52
34/7-26A	98007-69	2790.0	2790.0	Cuttings	13	2	1	1	0	45	18	5	26.20	2.58
34/7-26A	98007-70	2820.0	2820.0	Cuttings	9	7	2	1	2	32	21	12	57.13	0.97
34/7-26A	98007-71	2850.0	2850.0	Cuttings	9	4	0	0	0	14	13	4	31.91	#DIV/0!
34/7-26A	98007-72	2880.0	2880.0	Cuttings	8	4	0	0	0	20	12	4	32.02	#DIV/0!

Table 4.3 OCCLUDED GAS ANALYSIS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock	SUM C1-C4	SUM C2-C4	Wetness %	iC4 nC4
34/7-26A	98007-73	2910.0	2910.0	Cuttings	4	0	0	0	0	13	4	0	0.00	#DIV/0!
34/7-26A	98007-74	2930.0	2930.0	Cuttings	14	4	1	0	0	13	19	6	30.25	0.00
34/7-26A	98007-75	2940.0	2940.0	Cuttings	8	1	1	0	0	13	10	2	17.39	0.71
34/7-26A	98007-76	2960.0	2960.0	Cuttings	57	0	0	0	0	19	57	0	0.00	#DIV/0!
34/7-26A	98007-77	2990.0	2990.0	Cuttings	6	0	0	0	0	14	6	0	0.00	#DIV/0!
34/7-26A	98007-78	3000.0	3000.0	Cuttings	10	0	0	0	0	21	10	0	0.00	#DIV/0!
34/7-26A	98007-79	3020.0	3020.0	Cuttings	7	0	0	0	0	16	7	0	0.00	#DIV/0!
34/7-26A	98007-80	3040.0	3040.0	Cuttings	6	2	0	0	0	20	8	2	26.66	#DIV/0!
34/7-26A	98007-81	3060.0	3060.0	Cuttings	8	2	0	0	0	14	10	2	19.46	#DIV/0!
34/7-26A	98007-82	3080.0	3080.0	Cuttings	10	0	0	0	0	19	10	0	0.00	#DIV/0!
34/7-26A	98007-83	3100.0	3100.0	Cuttings	8	0	0	0	0	24	8	0	5.43	#DIV/0!
34/7-26A	98007-84	3130.0	3130.0	Cuttings	14	3	0	0	0	19	16	3	15.57	#DIV/0!
34/7-26A	98007-85	3160.0	3160.0	Cuttings	9	2	0	0	0	22	11	2	14.46	#DIV/0!
34/7-26A	98007-86	3190.0	3190.0	Cuttings	11	0	0	0	0	24	11	0	0.00	#DIV/0!
34/7-26A	98007-87	3210.0	3210.0	Cuttings	8	0	0	0	0	23	8	0	0.00	#DIV/0!
34/7-26A	98007-88	3240.0	3240.0	Cuttings	10	3	0	0	0	21	13	3	24.02	#DIV/0!
34/7-26A	98007-89	3260.0	3260.0	Cuttings	4	0	0	0	0	20	4	0	0.00	#DIV/0!
34/7-26A	98007-90	3270.0	3270.0	Cuttings	7	2	2	0	0	22	11	4	32.65	#DIV/0!
34/7-26A	98007-91	3300.0	3300.0	Cuttings	7	1	1	0	0	26	9	2	24.49	#DIV/0!
34/7-26A	98007-92	3320.0	3320.0	Cuttings	5	0	0	0	0	4	6	0	7.90	#DIV/0!
34/7-26A	98007-93	3350.0	3350.0	Cuttings	5	0	0	0	0	6	5	0	0.00	#DIV/0!
34/7-26A	98007-94	3370.0	3370.0	Cuttings	12	2	2	0	0	20	16	4	23.93	#DIV/0!
34/7-26A	98007-95	3390.0	3390.0	Cuttings	9	1	0	0	0	15	10	1	7.78	#DIV/0!
34/7-26A	98007-96	3410.0	3410.0	Cuttings	18	5	3	0	2	29	27	10	35.13	0.00
34/7-26A	98007-97	3430.0	3430.0	Cuttings	6	0	0	0	0	21	6	0	0.00	#DIV/0!
34/7-26A	98007-98	3450.0	3450.0	Cuttings	11	4	2	0	2	33	19	8	40.86	0.00
34/7-26A	98007-99	3480.0	3480.0	Cuttings	4	0	0	0	0	16	4	0	0.00	#DIV/0!
34/7-26A	98007-100	3500.0	3500.0	Cuttings	9	1	2	0	0	27	13	3	27.21	#DIV/0!
34/7-26A	98007-101	3520.0	3520.0	Cuttings	5	0	0	0	0	21	5	0	0.00	#DIV/0!
34/7-26A	98007-102	3540.0	3540.0	Cuttings	9	2	1	0	0	24	12	3	24.16	#DIV/0!
34/7-26A	98007-103	3560.0	3560.0	Cuttings	7	0	0	0	0	13	7	0	0.00	#DIV/0!
34/7-26A	98007-104	3570.0	3570.0	Cuttings	7	1	1	0	1	17	10	3	29.83	0.27
34/7-26A	98007-105	3590.0	3590.0	Cuttings	9	1	3	1	2	6	17	8	46.90	0.65
34/7-26A	98007-106	3610.0	3610.0	Cuttings	14	5	6	2	4	10	30	16	53.23	0.48
34/7-26A	98007-107	3630.0	3630.0	Cuttings	9	1	5	3	6	10	23	15	63.59	0.49
34/7-26A	98007-108	3650.0	3650.0	Cuttings	10	3	4	2	4	10	23	13	56.56	0.46

Table 4.3 OCCLUDED GAS ANALYSIS

Well	Sample Name	Upper Depth	Lower Depth	Sample Type	C1 uL/Kg rock	C2 uL/Kg rock	C3 uL/Kg rock	iC4 uL/Kg rock	nC4 uL/Kg rock	C5+ uL/Kg rock	SUM C1-C4	SUM C2-C4	Wetness %	iC4 nC4
34/7-26A	98007-109	3670.0	3670.0	Cuttings	5	1	4	3	7	13	19	14	74.01	0.39
34/7-26A	98007-110	3690.0	3690.0	Cuttings	8	0	0	0	0	10	9	1	10.28	#DIV/0!
34/7-26A	98007-111	3700.0	3700.0	Cuttings	8	1	7	3	8	11	26	19	71.34	0.40
34/7-26A	98007-112	3710.0	3710.0	Cuttings	8	1	6	2	5	17	22	14	62.82	0.42
34/7-26A	98007-113	3720.0	3720.0	Cuttings	7	1	4	2	6	14	19	12	63.36	0.34
34/7-26A	98007-114	3740.0	3740.0	Cuttings	11	4	3	1	5	23	25	13	53.58	0.33
34/7-26A	98007-115	3750.0	3750.0	Cuttings	5	1	2	1	2	7	11	6	55.97	0.92
34/7-26A	98007-116	3760.0	3760.0	Cuttings	14	1	2	1	1	11	19	5	27.56	0.81
34/7-26A	98007-117	3770.0	3770.0	Cuttings	7	1	2	0	0	10	10	3	27.76	#DIV/0!
34/7-26A	98007-118	3790.0	3790.0	Cuttings	19	3	4	2	7	21	36	17	47.13	0.34
34/7-26A	98007-119	3810.0	3810.0	Cuttings	10	2	8	3	11	20	34	23	69.40	0.29
34/7-26A	98007-120	3830.0	3830.0	Cuttings	9	2	11	6	15	87	42	33	79.13	0.37
34/7-26A	98007-121	3850.0	3850.0	Cuttings	12	4	26	11	31	69	84	72	86.02	0.33
34/7-26A	98007-122	3870.0	3870.0	Cuttings	16	11	60	22	65	95	175	159	90.61	0.35
34/7-26A	98007-123	3890.0	3890.0	Cuttings	16	10	61	22	63	92	171	156	90.91	0.35
34/7-26A	98007-124	3920.0	3920.0	Cuttings	9	15	90	29	77	103	220	211	96.03	0.37
34/7-26A	98007-125	3930.0	3930.0	Cuttings	22	7	47	18	49	69	143	121	84.43	0.37
34/7-26A	98007-126	3950.0	3950.0	Cuttings	8	5	33	11	34	107	92	84	90.91	0.32
34/7-26A	98007-127	3970.0	3970.0	Cuttings	9	1	17	8	26	126	61	52	84.82	0.30
34/7-26A	98007-128	3990.0	3990.0	Cuttings	12	3	38	18	53	176	124	112	90.24	0.33
34/7-26A	98007-129	4010.0	4010.0	Cuttings	6	2	18	8	24	103	58	52	89.21	0.32
34/7-26A	98007-130	4030.0	4030.0	Cuttings	12	3	21	10	28	64	75	62	83.43	0.35
34/7-26A	98007-131	4050.0	4050.0	Cuttings	11	3	13	6	18	240	50	39	78.90	0.32
34/7-26A	98007-132	4070.0	4070.0	Cuttings	9	3	16	6	19	69	52	43	83.34	0.33
34/7-26A	98007-133	4090.0	4090.0	Cuttings	6	3	28	8	27	62	72	66	92.26	0.32
34/7-26A	98007-134	4100.0	4100.0	Cuttings	9	3	24	7	20	58	63	55	86.54	0.36
34/7-26A	98007-135	4226.0	4226.0	Cuttings	69	186	356	67	205	299	883	814	92.17	0.33
34/7-26A	98007-136	4235.0	4235.0	Cuttings	80	201	467	89	243	239	1078	998	92.61	0.37
34/7-26A	98007-137	4244.0	4244.0	Cuttings	38	101	389	86	224	238	837	800	95.48	0.38
34/7-26A	98007-138	4262.0	4262.0	Cuttings	38	140	454	92	224	194	948	910	95.98	0.41
34/7-26A	98007-139	4280.0	4280.0	Cuttings	28	54	203	43	96	91	425	397	93.33	0.45
34/7-26A	98007-140	4289.0	4289.0	Cuttings	24	32	128	35	80	121	299	275	92.10	0.44

IFE-data

Table 4.4 VOLUME COMPOSITION OF GAS SAMPLES (NORMALISED VALUES) FROM WELL 34/7-26A

Sample	IFE no GEO	C1 %	C2 %	C3%	iC4%	nC4%	iC5%	C5 %	C02%	C1-C5%	wetness	1C4/nC4
1.07 TEF 210	980472	77.4	11.3	7.3	0.79	2.1	0.43	0.46	0.27	99.7	0.22	0.38
2.02 TEF 212	980473	84	8.7	4.5	0.49	1.4	0.33	0.4	0.26	99.7	0.16	0.36

Table 4.5 ISOTOPIC COMPOSITION OF GAS SAMPLES FROM WELL 34/7-26A

Sample	IFE no GEO	C1 del 13C PDB	C1 D SMOW	C2 del 13C PDB	C3 del 13C PDB	iC4 del 13C PDB	C4 del 13C PDB	C02 del 13C PDB	C02 del 18O PDB
1.07 TEF 210	980472	-46.2	-204	-31.8	-29.8	-29.8	-29.6	-18.1	-3.2
2.02 TEF 212	980473	-45.9	-211	-31.5	-29.5	-27.3	-29.4	-14.6	-7.6

Table 4.6 EXTRACTION AND IATROSCAN FRACTIONATION DATA

Well	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology	Rock Wt (Gm)	Extract Yield (mg/g)	Sats I(mg/g)	Aroms I(mg/g)	NSO	Asph	Polar I(mg/g)
34/7-26A	NOR	98007-121	3850.0	3850.0	Cuttings		8.9	11.9	7.7	0.2			4.0
34/7-26A	NOR	98007-124	3920.0	3920.0	Cuttings		16.0	18.7	16.0	0.3			2.4
34/7-26A	NOR	98007-127	3970.0	3970.0	Cuttings		14.0	16.5	12.5	0.1			3.8
34/7-26A	NOR	98007-141	4130.7	4130.7	Core		15.2	16.9	13.2	2.1			1.6
34/7-26A	NOR	98007-142	4134.8	4134.8	Core		12.3	35.4	26.8	3.5			5.1
34/7-26A	NOR	98007-158	4146.2	4146.2	Core		5.0	45.2	30.8	9.5			5.0
34/7-26A	NOR	98007-143	4152.9	4152.9	Core		14.0	43.1	34.4	4.4			4.4
34/7-26A	NOR	98007-144	4166.5	4166.5	Core		10.0	41.2	30.4	6.5			4.3
34/7-26A	NOR	98007-145	4178.3	4178.3	Core		10.0	49.3	38.6	5.9			4.7
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		5.0	6.5	2.9	0.7			3.0
34/7-26A	NOR	98007-152	4201.5	4201.5	Core		3.0	11.3	4.0	1.3			6.0
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		10.0	39.1	25.4	8.0			5.6
34/7-26A	NOR	98007-156	4215.5	4215.5	Core		3.0	10.7	5.3	0.8			4.6

Table 4.7 EXTRACTION AND LIQUID CHROMATOGRAPHY DATA

Well	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology	Rock Wt (Gm)	Extract Yield (mg/g)	SAT mg/g	ARO mg/g	NSO mg/g	Asph mg/g	Polars mg/g	TOC %
34/7-26A	NOR	98007-121	3850.0	3850.0	Cuttings		8.9	11.9	10.02	0.07	1.80	0.02	1.82	
34/7-26A	NOR	98007-124	3920.0	3920.0	Cuttings		16.0	18.7	17.04	0.20	1.41	0.09	1.50	
34/7-26A	NOR	98007-127	3970.0	3970.0	Cuttings		14.0	16.5	13.78	0.36	2.30	0.08	2.38	
34/7-26A	NOR	98007-141	4130.7	4130.7	Core		15.2	16.9	13.49	2.35	0.92	0.10	1.02	
34/7-26A	NOR	98007-142	4134.8	4134.8	Core		12.3	35.4	25.39	3.69	2.51	3.82	6.34	
34/7-26A	NOR	98007-158	4146.2	4146.2	Core		5.0	45.2	32.72	7.85	3.97	0.68	4.65	
34/7-26A	NOR	98007-143	4152.9	4152.9	Core		14.0	43.1	35.15	4.35	2.50	1.12	3.62	
34/7-26A	NOR	98007-144	4166.5	4166.5	Core		10.0	41.2	30.86	7.00	2.97	0.37	3.34	
34/7-26A	NOR	98007-145	4178.3	4178.3	Core		10.0	49.3	39.53	6.04	2.99	0.69	3.68	
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		5.0	6.5	2.75	0.95	2.12	0.73	2.85	4.83
34/7-26A	NOR	98007-152	4201.5	4201.5	Core		3.0	11.3	3.15	2.06	4.04	2.09	6.13	9.68
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		10.0	39.1	24.92	8.57	4.10	1.48	5.58	
34/7-26A	NOR	98007-156	4215.5	4215.5	Core		3.0	10.7	3.85	1.33	2.89	2.59	5.48	2.31
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		1.0	1000.0	608.97	317.31	73.72	0.00	73.72	
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		1.0	1000.0	605.46	311.65	82.90	0.00	82.90	

Table 4.8 SATURATE GC PEAK HEIGHT DATA

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology	n_C10 mV	n_C17 mV	n_C18 mV	n_C22 mV	n_C27 mV	n_C32 mV	i_C18 mV	Pristane mV	Phytane mV	CPI1 mV	CPI2 mV
34/7-26A	NOR	98007-121	3850.0	3850.0	Cuttings		-	-	-	-	-	-	-	-	-	-	-
34/7-26A	NOR	98007-124	3920.0	3920.0	Cuttings		-	-	-	-	-	-	-	-	-	-	-
34/7-26A	NOR	98007-127	3970.0	3970.0	Cuttings		-	-	-	-	-	-	-	-	-	-	-
34/7-26A	NOR	98007-141	4130.7	4130.7	Core		-	31330	-	17044	9256	4631	-	22552	19660	1.03	0.98
34/7-26A	NOR	98007-142	4134.8	4134.8	Core		-	36475	-	16833	8500	7672	-	25834	23558	1.01	1.03
34/7-26A	NOR	98007-158	4146.2	4146.2	Core		-	36940	-	18837	10391	4195	-	27089	23857	1.07	1.00
34/7-26A	NOR	98007-143	4152.9	4152.9	Core		-	33147	-	16882	9074	5485	-	21222	18304	1.04	1.04
34/7-26A	NOR	98007-144	4166.5	4166.5	Core		-	72428	-	44933	25379	16499	-	52163	48848	1.04	1.11
34/7-26A	NOR	98007-145	4178.3	4178.3	Core		-	35553	-	17307	9314	5712	-	23958	21314	1.01	1.12
34/7-26A	NOR	98007-152	4201.5	4201.5	Core		-	14480	-	7393	10901	4202	-	19644	27876	1.36	0.90
34/7-26A	NOR	98007-156	4215.5	4215.5	Core		-	17621	-	3845	7597	610	-	18798	13641	1.50	1.38
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		-	18874	-	8384	9170	4246	-	18011	22834	1.33	1.13
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		-	50622	-	24851	12046	5779	-	44893	42364	1.03	0.99
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		-	111843	97371	70079	38875	18476	38511	74640	53446	1.02	1.02
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		-	115759	106969	72340	41184	18552	38271	72665	53506	1.01	1.03

Table 4.9 AROMATIC GC DATA - PEAK HEIGHTS

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology	2MN	1MN	BiPh	2EN	1EN	2,6 +2,7 DMN	1,5 DMN	1,3,7 TMN	2,3,6 TMN	1,3,6 TMN	1,3,5 + 1,4,6 TMN	P	3MP	2MP	9MP	1MP	
34/7-26A	NOR	98007-121	3850.00	3850.00	Cuttings		Aromatic compounds not identified - sample heavily contaminated by mud additive																
34/7-26A	NOR	98007-124	3920.00	3920.00	Cuttings		Aromatic compounds not identified - sample heavily contaminated by mud additive																
34/7-26A	NOR	98007-127	3970.00	3970.00	Cuttings		Aromatic compounds not identified - sample heavily contaminated by mud additive																
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		946	1225	735	697	541	17092	2405	5394	3479	4048	6196	4404	3634	2035	3873	3308	
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		130	237	159	151	123	3193	594	1216	795	999	1439	1025	850	458	1032	835	
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		848	1051	332	304	248	2787	903	1539	975	1215	1720	1256	932	558	1222	848	
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		644	832	526	517	390	8854	1869	4274	2751	3360	4976	4112	2980	1853	3586	2823	
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		33	110	136	139	118	1478	674	1778	1130	1389	2101	1982	1500	749	1820	1338	
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		60	133	167	152	127	1982	714	1767	1192	1401	2157	1735	1318	750	1640	1200	
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		621	800	356	324	247	1497	736	664	434	603	642	365	361	91	247	130	
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		9	33	27	53	52	404	192	309	292	364	223	157	75	36	117	97	
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		226	416	365	422	325	3714	1593	3185	2152	2410	3685	6163	2972	1975	3975	3033	
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		62	122	119	119	113	2129	578	1626	1060	1332	2161	1944	1609	580	1871	1254	
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		781	1016	310	367	294	2170	994	1611	919	1359	1930	770	652	233	799	599	
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		1274	1421	506	540	426	3109	1351	2356	1405	1856	2620	1431	996	420	1250	840	

Table 4.10 WHOLE OIL GC PEAK HEIGHT DATA

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	2,2 D M BUTANE	N-HEXANE	MCP/2,2-DMP	BENZENE	CYCLOHEXANE	2-METHYL HEXANE	3-METHYL HEXANE	1,cis-3-DMCP	1-trans 3 DMCP	1-trans 2 DMCP 3 EP	n-HEPTANE	MCH/C12DMCP	TOLUENE	M+P XYLENE
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil	7854	549322	390310	172002	414595	277677	225880	98639	94762	214432	472893	527123	397985	245441
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil	6558	432817	271034	135421	299478	177732	151612	59113	56374	118794	334990	410880	327389	181597

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	nC-17	Pristane	nC-18	Phytane	nC-19	nC-20	nC-21	nC-22	nC-23	nC-24	Pri/n_C17	Phy/n_C18	Pri/Phy
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil	191011	149112	166823	106343	158176	140928	119237	112375	102057	96409	0.78	0.64	1.40
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil	98059	64140	81527	42681	76948	65386	55674	50413	46143	41806	0.65	0.52	1.50

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	nC-25	nC-26	nC-27	nC-28	nC-29	nC-30	nC-31	nC-32	nC-33	nC-34	CPI
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil	79362	68813	56826	46641	37136	26173	19480	14050	10822	6225	1.02
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil	33635	28598	24009	18774	15420	11194	8342	6073	4511	2575	1.04

Table 4.11 Saturate GCMS - Peak Height Data

Well	Nation	Sample name	Upper Depth	Lower Depth	Sample type	Lithology	Ion m/z 217						Ion m/z 218		
							27dbS	27aaR	29aaS	29bbR	29bbS	29aaR	27bbS	28bbS	29bbS
							A	J	Q	R	S	T	B	D	F
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		3444	1672	1141	2184	1471	1640	2720	1651	2496
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		1784	963	784	1182	932	1036	1713	979	1608
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		3544	1872	1261	2272	1488	1836	3264	2001	2666
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		5383	2960	2102	3716	2785	2920	4832	2955	4453
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		3908	2248	1456	2679	1975	2181	3458	2192	3375
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		3392	2137	1314	2448	1808	2168	3108	1952	3172
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		14919	33442	2341	6848	2136	27248	4812	3304	3615
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		14420	33600	2113	6520	1784	26880	4132	2970	3118
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		4022	4440	538	1418	561	4352	1294	800	1042
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		1734	1048	776	1286	949	1062	1694	1155	1627
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		4248	2640	1680	3104	2272	2955	3742	2792	3798
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		6824	3800	2859	5067	3992	4342	6823	4136	6583

Table 4.11 Saturate GCMS - Peak Height Data

Well	Nation	Sample name	Upper Depth	Lower Depth	Sample type	Lithology	Ion m/z 191									
							24/3	27 Ts	27Tm	28ab	29ab	29Ts	30d	29ba	30ab	30ba
							Q	A	B	Z	C	C,	X	D	E	F
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		985	2520	1755	2918	5256	2208	1066	536	11936	971
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		512	1459	1064	1960	3248	1424	712	370	7951	652
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		1056	2935	2147	3120	5424	2224	1170	480	13113	1109
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		1779	4200	2968	4776	7736	3400	1849	696	19648	1623
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		1322	3228	2215	3668	5880	2552	1404	671	15273	1376
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		872	2582	2060	3349	6064	2424	1263	600	14843	1288
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		815	5420	7738	1164	14800	6848	2943	6949	43224	7163
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		571	4082	6229	434	11088	4568	2908	6566	40576	7360
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		255	888	5244	313	6544	1136	1239	4344	15360	5400
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		564	1608	1148	2067	3304	1328	771	310	8256	735
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		1138	3280	2344	4111	7528	3112	1562	864	18272	1648
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		2161	5202	3691	6547	11200	4672	2851	1144	28128	2358

Table 4.11 GCMS - Peak Height Data

Well	Nation	Sample name	Upper Depth	Lower Depth	Sample type	Lithology	Ion m/z 191										
							31abS	31abR	32abS	32abR	33abS	33abR	34abS	34abR	35abS	35abR	31ba
							G1	G2	J1	J2	K1	K2	L1	L2	M1	M2	I
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		4380	2696	2440	1744	1712	1094	760	489	440	400	495
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		2492	1695	1556	1036	912	727	429	335	315	281	360
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		4336	2937	2643	1779	1705	1003	788	472	568	296	383
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		6804	4436	4032	2618	2568	1755	1280	688	781	480	704
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		5504	3696	3400	2344	2224	1512	1049	759	720	536	552
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		5408	3634	3128	2309	2055	1508	1064	654	794	470	560
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		8716	11641	2952	4934	2960	4736	1224	2082	1824	3664	1015
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		6327	10016	2121	4086	2228	4336	840	1736	1336	3064	777
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		4971	8410	1338	3120	664	1442	437	752	381	760	662
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		2781	1763	1706	1188	1120	776	572	404	440	251	297
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		6104	4296	3866	2696	2642	1752	1208	846	912	584	560
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		9715	6384	6232	4270	4304	2792	2059	1408	1488	873	869

Table 4.12 AROMATIC GC/MS - PEAK HEIGHT DATA

Well	Nation	Sample	Upper	Lower	Sample	Lithology	253 Ion								
							A1(H)	B1	C1	D1	E1	F1	G1	H1(P)	I1(R)
name		name	depth	depth	type		A1(H)	B1	C1	D1	E1	F1	G1	H1(P)	I1(R)
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		6600	3981	3972	4485	6464	1248	6067	2904	2086
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		3194	1988	1887	2182	3220	603	3134	1424	1135
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		3528	2390	2207	2472	3498	584	3360	1516	2472
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		3411	1944	1396	1675	2386	503	2336	983	1158
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		3156	2107	1792	2178	2868	547	3042	1308	1186
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		2764	1816	1468	1521	2268	401	2213	1057	977
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		6814	10636	6150	11872	22974	2018	41536	27296	12083
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		2544	1881	5085	6538	8700	1476	11848	4720	3533
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		10832	16180	12062	18928	33562	3394	63936	36608	15424
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		3594	2119	1986	2515	3830	519	4044	1703	1280
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		2385	1312	1476	1661	2566	486	3001	1188	779
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		2548	1375	1506	1557	2368	404	2406	1091	853

231 Ion						
a1	b1	c1	d1	e1	f1	g1
18272	17152	9297	27204	16779	16433	12492
9424	9385	4288	13976	8247	7973	5872
13059	13573	5568	16374	10004	9855	7015
10770	10160	4525	13726	8622	8231	6080
10419	11075	5750	16878	9574	9465	7410
8796	9103	4579	12898	8076	7800	5848
2478	1280	2897	6992	2456	3917	2142
1028	618	1226	2180	1606	1240	1708
3993	2280	4559	9958	3782	5584	3204
8929	9201	5192	16402	10370	9706	7903
5280	6190	3394	10109	5662	5441	4318
6950	8429	3814	1102	6633	6249	4825

Table 4.13 AROMATIC GC/MS - PEAK HEIGHT DATA

Well	Nation	Sample	Upper	Lower	Sample	Lithology	178 Ion
name		name	depth	depth	type		P
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		220882
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		133225
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		263168
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		203492
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		161792
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		140771
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		58876
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		26745
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		802684
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		72017
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		58368
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		127182

192 Ion			
3 MP	2 MP	9 MP	1 MP
106984	116983	169642	137146
60600	67695	93270	83532
110976	111360	220416	168448
90624	88192	152368	122368
74405	70892	143823	105541
67702	64812	128083	97099
13515	14503	22315	20199
6056	7272	12976	9728
207360	265216	489472	356352
36296	38600	59976	47496
26378	33833	55396	37282
49757	66070	101140	70419

184 Ion
DBT
84244
47296
100977
63040
55488
51571
46760
13054
402926
25088
28405
55295

198 Ion		
4 MDBT	3&2 MDBT	1 MDBT
107624	47683	32552
61231	26823	17958
123001	50402	42634
77952	36224	27584
78709	32594	28450
68218	29544	24803
12310	8576	30572
7481	3270	6113
321887	130556	142493
34991	16744	14038
36172	15595	13829
67605	27528	21497

Table 4.14 Alkane GC/Ms - Peak Height calculated ratios

Well	Nation	Sample name	Upper Depth	Lower Depth	Sample type	Lithology	Hop/ster	%Ts	%ZVsC	%Hop35Vs34	%Hop32S/S+R	%TriHop	%DiaSt27
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		6.12	58.95	35.70	40.21	58.32	7.62	55.87
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		6.16	57.83	37.63	43.82	60.03	6.05	51.02
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		5.66	57.75	36.52	40.68	59.77	7.45	52.06
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		5.48	58.59	38.17	39.05	60.63	8.30	52.70
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		5.99	59.31	38.42	40.99	59.19	7.97	53.05
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		6.29	55.62	35.58	42.39	57.53	5.55	52.18
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		11.18	41.19	7.29	62.41	37.43	1.85	75.61
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		11.00	39.59	3.77	63.07	34.17	1.39	77.73
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		19.25	14.48	4.56	48.97	30.01	1.63	75.66
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		6.35	58.35	38.48	41.45	58.95	6.39	50.58
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		6.09	58.32	35.32	42.14	58.91	5.86	53.17
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		5.57	58.50	36.89	40.51	59.34	7.13	50.00

Hop/Ster 27Ts+27Tm+28ab+29ab+29ba+30ab+30ba+homohopanes/27bbs+28bbs+29bbs
 %Ts 100*27Ts/(27Ts+27Tm)
 %ZVsC 100*28ab/(28ab+29ab)
 %Hop35Vs34 100*(35abS+35abR)/(34abS+34abR+35abS+35abR)
 %Hop32S/S+R 100*32abS/(32abS+30ab)
 %TriHop 100*24/3 / (24/3+30ab)
 %DiaSt27 100*27dbS/(27dbS+27bbS)

Table 4.15 Alkane GC/MS - Peak Height calculated ratios

Well	Nation	Sample name	Upper Depth	Lower Depth	Sample type	Lithology	%St27	%St28	%St29	%29S/S+R	%29bb/(aa+bb)
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		39.61	24.04	36.35	41.03	56.79
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		39.84	22.77	37.40	43.08	53.74
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		41.15	25.23	33.61	40.72	54.83
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		39.48	24.14	36.38	41.86	56.42
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		38.32	24.29	37.40	40.03	56.13
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		37.76	23.71	38.53	37.74	55.00
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		41.02	28.16	30.82	7.91	23.29
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		40.43	29.06	30.51	7.29	22.26
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		41.26	25.51	33.23	11.00	28.81
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		37.85	25.80	36.35	42.22	54.87
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		36.22	27.02	36.76	36.25	53.70
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		38.90	23.58	37.53	39.70	55.71

%St27 100*27bbS/(27bbS+28bbS+29bbS)

%St28 100*28bbS/(27bbS+28bbS+29bbS)

%St29 100*29bbS/(27bbS+28bbS+29bbS)

%29S/S+R 100*29aaS+29bbS/29aaS+29bbS+29aaR+29bbR)

%29bb/aa+bb 100*29bbS+29bbR/29aaS+29aaR+29bbS+29bbR

Table 4.16 Aromatic GC and GCMS - Peak Height calculated ratios

Well Name	Nation	Sample Name	Upper Depth	Lower Depth	Sample Type	Lithology	MPI	%Ro	MDR	MDR1	MDR 2,3	MDR 4
34/7-26A	NOR	98007-121	3850.00	3850.00	Cuttings		Aromatic compounds not identified - sample heavily contaminated by mud additive					
34/7-26A	NOR	98007-124	3920.00	3920.00	Cuttings		Aromatic compounds not identified - sample heavily contaminated by mud additive					
34/7-26A	NOR	98007-127	3970.00	3970.00	Cuttings		Aromatic compounds not identified - sample heavily contaminated by mud additive					
34/7-26A	NOR	98007-141	4130.70	4130.70	Core		0.73	0.84	3.31	0.39	0.57	1.28
34/7-26A	NOR	98007-142	4134.80	4134.80	Core		0.68	0.81	3.41	0.38	0.57	1.29
34/7-26A	NOR	98007-158	4146.20	4146.20	Core		0.67	0.80	2.89	0.42	0.50	1.22
34/7-26A	NOR	98007-143	4152.90	4152.90	Core		0.69	0.81	2.83	0.44	0.57	1.24
34/7-26A	NOR	98007-144	4166.50	4166.50	Core		0.66	0.79	2.77	0.51	0.59	1.42
34/7-26A	NOR	98007-145	4178.30	4178.30	Core		0.68	0.81	2.75	0.48	0.57	1.32
34/7-26A	NOR	98007-152	4201.50	4201.50	Core		0.91	0.95	0.40	0.65	0.18	0.26
34/7-26A	NOR	98007-156	4215.50	4215.50	Core		0.45	0.67	1.22	0.47	0.25	0.57
34/7-26A	NOR	98007-149	4196.4	4196.4	Core		0.56	0.74	2.26	0.35	0.32	0.80
34/7-26A	NOR	98007-146	4207.8	4207.8	Core		0.65	0.79	2.49	0.56	0.67	1.39
34/7-26A	NOR	98007-161	DST.1	DST.1	Oil		0.61	0.77	2.62	0.49	0.55	1.27
34/7-26A	NOR	98007-162	DST.2	DST.2	Oil		0.60	0.76	3.14	0.39	0.50	1.22

MPI 1 $1.5 \cdot (2MP + 3MP) / (1MP + 9MP + P)$
 %Ro $0.6 \cdot MPI1 + 0.4$
 MDR $4MDBT / 1MDBT$
 MDR1 $1MDBT / DBT$
 MDR 2,3 $2,3MDBT / DBT$
 MDR 4 $MDBT / DBT$