REPEAT FORMATION TESTING.

All pressures reported here are HP-gauge pressures.

Results.

A total of 81 pressure test attempts were performed. 23 of these, including the sample points, gave formation pressure masurements including sample points.

Summary over pretests and samples.

Run no.	Total tests	Formation pressure	Sample type / Depth
2A	37	17	Segregated / 1202
3B	15	0	
5C	12	0	
7D+E	17	6	Segregated / 4935 2 3/4 / 4597
	81	23	

Table no.1 Pretest pressure from run 2A.

DEPTH m RKB	HYD.PRESSURE PSIA / g/cc	FORM.PRESSURE PSIA / g/cc		COMMENTS PERMEAB.
1201	2150.5/1.26	1859.6/1.090		EXCELLENT
1202	2154.0/1.26	1864.6/1.091	*	V.GOOD
1207	2161.6/1.26	1869.4/1.091		GOOD-FAIR
1209	2162.5/1.26	1872.1/1.090		GOOD
1216.5	2177.5/1.26	1885.0/1.090		EXCELLENT
1221	2185.2/1.26	1892.0/1.091		GOOD
1224	2190.6/1.26	1895.7/1.091		GOOD
1230.5	2202.2/1.26	1908.5/1.092		V.GOOD
1296.5	2317.9/1.26	2016.2/1.095		V.GOOD
1298	2320.7/1.26	2019.4/1.095		V.GOOD
1306.5	2336.1/1.26	2033.0/1.096		GOOD-FAIR
1651	2948.6/1.26	2590.7/1.105		V.GOOD
1653	2952.2/1.26	2594.3/1.105		V.GOOD
1655	2956.4/1.26	2597.7/1.105		V.GOOD
1660	2965.1/1.26	2604.9/1.105		V.GD-GD
1670.2	2983.3/1.26	2622.0/1.105		FAIR
1679	2998.4/1.26	2636.4/1.106		GOOD
2273.3	4054.6/1.25	3768.4/1.17	?	SUPERCH.
2281	4061.6/1.25	-		TIGHT
2286.5	4071.2/1.25	-		-
2286	4069.5/1.25	-		-
2295	4085.7/1.25	-		FAILURE
2295	4085.5/1.25	-		TIGHT
2298.4	4091.4/1.25	-		-
2300.7	4094.7/1.25	-		-
2404	4278.3/1.25	-		-
2404.5	4279.5/1.25	4221.6/1.24	?	SUPERCH.

To be continued.

Table no.1 Pretest pressure points from run 2A. Continue.

2404.8	4279.4/1.25	-	FAILURE
2404.8	4279.4/1.25	-	FAILURE
2432	4329.0/1.25	-	TIGHT
2432.5	4329.7/1.25	-	-
2432.5	4330.0/1.25	-	-
2432.6	4330.2/1.25	-	-
2433	4330.3/1.25	-	-
2434	4332.7/1.25	-	-
2450.5	4362.9/1.25	-	-
2450.5	4362.5/1.25	-	-

? Supercharge

* Segregated sample

Table no.2 Pretest pressure points from run 7D+E.

DEPTH m RKB	HYD.PRESSURE PSIA / g/cc	FORM.PRESSURE PSIA / g/cc	COMMENTS PERMEAB.
4515.5	8941.5/1.4	-	TIGHT
4544	9002.3/1.4	-	-
4587	9088.4/1.4	-	-
4595.8	9099.8/1.4	-	-
4692.6	9292.0/1.4	-	-
4693.9	9305.0/1.4	7978.2/1.197	POOR
4955.3	9682.1/1.4	8257.5/1.173	POOR
4591.5	9086.3/1.4	-	TIGHT
4597	9113.3/1.4	7749.1/1.185	POOR
4601	9118.7/1.4	-	SEAL FAIL.
4651.2	9215.8/1.4	-	TIGHT
4655	9220.4/1.4	-	-
4886	9667.2/1.4	8075.1/1.162	POOR
4895	9682.1/1.4	-	SEAL FAIL.
4895.5	9680.6/1.4	8100.8/1.164	POOR-FAIR
4929	9746.4/1.4	- ?	SUPERCH.
4935	9755.5/1.4	8181.7/1.166 *	FAIR

Sampling.

Segregated sample from 1202 m RKB.

		1 gal. ch.	2 3/4 gal.ch.	Mudfilt.
Opening pressure	PSI	0	300	
Water and mudfiltr.	L	3.7	10.3	
Gas		-	n.m	
Resistivity	Ωm	0.055	0.086	
pH		6.1	6.2	8.2
Cl-	ppm	120000	110000	22000
Ca++	ppm	1600	1680	3000
Density	g/cc	1.12-1.13	1.11	

Segregated sample from 4935 m RKB.

		1 gal. ch.	2 3/4 gal.ch.	Mudfilt.
Opening pressure	PSI	0	0	
Water and mudfiltr.	L	3	9	
Gas		-	-	
Resistivity	Ωm	0.65	0.63	
Deg.C		17	17	
pH		7.4	7.7	9.6
Cl-	ppm	3600	3600	4300
Ca++	ppm	140	140	140
Density	g/cc	1.015	1.025	

DRILL STEM TESTING

DST 1

The test objectives were:

- Confirm fluids from two potential reservoir zones.
- Receive good reservoir samples for analysis.
- Pressure and temperature measurements.
- Determine permeability and productivity of perforated intervals.

Perforated interval: 2935 - 2951 m RKB.

The test was performed with the following test string:

- 3.5" tubing in a 9 5/8" casing
- Downhole tester valve
- 4 pressure gauges in gauge carriers
- Tubing conveyed perforation, 12 shots/foot

TEST SUMMARY

PERIOD	DURATION	RATE	CHOKE	BHP	BHT
Flow	6.87 hours	1 m^3/d	12/64"	-	-
Build-up	6.13 hours	-	-	31062 kPa	98 deg.C

TEST PERFORMANCE

The well was perforated overbalanced with gun on wireline. The test string was filled up with diesel as cushion giving a differential pressure of approximately 14300 kPa when opening the well. The well was opened on a 32/64" (12.7 mm) choke to stock tank but the choke size was soon reduced to 12/64" (4.76 mm) due to zero pressure on wellhead. At the end of the flow period of 6 hours and 52 minutes the wellhead pressure was still zero. The well was shut-in on choke manifold due to wireline work needed for perforation of the upper zone. The shut-in period was of 6 hours and 8 minutes.

FLUID PRODUCTION AND SAMPLING

The production rate was approximately 1 m^3/d of cushion with a 12/64" (4.76 mm) choke. No formation fluid was sampled or detected.

INPUT PARAMETERS

Perforated interval	: 2935 - 2951 m RKB
Production height	: 16 m
Average porosity, ϕ	: 10 %
Production rate	: 1 m^3/d
Water viscosity, μw	: 0.485 mPa s
Total isothermal compressibility, Ct	: 0.00000102 1/kPa
Production time, tp	: 6.87 hours
Volume factor, Bw	: 1.0316
Formation temperature	: 98 degr. C
Salinity	: 200000 ppm
Reservoir pressure	: 31062 kPa
Slope of Horner straight line, m	: 8316.9 kPa/log cycle

CONCLUSION

The interval was extremely tight and the test objectives were only partly fullfilled.

DST 1A

OBJECTIVES

- Confirm fluid from potential reservoir zone.
- Receive good reservoir samples for analysis.
- Pressure and temperature measurements.
- Determine permeability and productivity of perforated interval.

Perforated intervals: 2935 - 2951 m RKB and
2913 - 2926 m RKB

TEST SUMMARY

PERIOD	DURATION	RATE	CHOKE
Flow	1.68 hours	1 m^3/d	12/64"
Build-up	7.43 hours	-	-

TEST PERFORMANCE

The interval 2913 - 2926 m RKB was perforated in the second attempt, mechanically and underbalanced, by use of tubing conveyed perforators and drop bar. The well was opened on a 12/64" (4.76 mm) choke to stock tank, giving zero pressure on wellhead. After 1 hour and 41 minutes, the well was shut-in on surface. The shut-in period lasted for 7 hours and 26 minutes. Because of the weak indications of well beeing perforated, it was decided during the flow period to retest due to suspicion of misfire of the gun. When the test string was pulled out of the hole, the gun was inspected and found correctly fired, but gas found trapped between the LPR-N and the APR-M valve strenghten the decision to retest, with reperforation and use of more time for flow.

FLUID PRODUCTION AND SAMPLING

The production rate was approximately 1 m^3/d of diesel cushion with a 12/64" (4.76 mm) choke. No formation fluid came to surface, but when pulling out the string, gas was found trapped between the LPR-N and the APR-M valve. 6 PVT gas bottles were filled up with the gas:

Sampling time		Sample no.	Bottle no.	Tubing pressure
DATE	TIME			
880401	0805	1	A-15754	23500 kPa
880401	0810	2	A-15760	23500 kPa
880401	0815	3	A-14899	21000 kPa
880401	0825	4	A-16696	19000 kPa
880401	0830	5	A-14646	17500 kPa
880401	0835	6	A-16758	14000 kPa

Formation water was sampled from inlet choke during out-circulation of the tubing volume. Trace element analysis was performed on the water. The density of this water was 1.01 g/cm^3 and the chlorid content was measured to 9000 ppm. This indicates that the water was mostly mudfiltrate.

COMPOSITION OF RESERVOIR GAS

Component	Mol %
N_2	3.62
CO_2	0.00
CH_4	90.58
C_2H_4	3.52
C_3H_6	1.04
i-C_4H_8	0.27
n-C_4H_8	0.27
i-C_5H_{10}	0.11
n-C_5H_{10}	0.09
C_6H_{12}	0.13
C_7H_{14}	0.13
C_8H_{16}	0.10
C_9H_{18}	0.06
$C_{10}H_{20}$	0.05
$C_{11}H_{22}$	0.02
$C_{12}H_{24}$	0.003
$C_{13}H_{26}$.	0.002

Gas gravity: 0.62

H_2S : 0 ppm

CONCLUSION

The reservoir zones were considered tight but because gas was trapped between the APR-M and the LPR-N valve it was decided to retest and have the well open for flow long enough to get the gas to surface.

DST 1B, RETEST

OBJECTIVES

The test objectives were as in DST 1A and to establish production of gas seen in DST 1A.

Perforated intervals: 2935 - 2951 m RKB and
2913 - 2926 m RKB.

The test was performed with the following test string:

- 3.5" tubing in a 9 5/8" casing
- Downhole tester valve
- 4 pressure/temperature gauges in gauge carriers.

TEST SUMMARY

PERIOD	DURATION	RATE	CHOKE	BHP	BHT
Flow	24.0 hours	14323sm³/d	12/64"	37989 kPa	98 deg.C
Build-up	21.0 hours	-	-	-	-

TEST PERFORMANCE

The interval from 2914 to 2920 m RKB was reperforated in the second attempt, overbalanced with gun on wireline and a shot density of 12 shots/foot. The test string was filled up with diesel as cushion, giving a differential pressure of approximately 14300 kPa when opening the well. The well was opened on a 12/64" (4.76 mm) choke to stock tank, giving zero pressure on wellhead. After 5 hours the wellhead pressure started

to increase slightly to 6 bar, and after 5 hours and 37 minutes gas came to surface. The choke size was increased in steps to 28/64" (11.11 mm) and the wellhead pressure stabilized at 5 bar. The flow was choked back to 12/64" (4.76 mm) and switched through the separator. 4 hours and 12 minutes later the separator was bypassed and choke size increased in steps to 1" (25.4 mm). Total flowing time was 24 hours. The well was shut-in on LPR-N valve and on choke manifold. During the build-up period SRO was run. When running in there were some problems with the SRO probe and the signal from the SRO gauge, but after three attempts and 12 hours build-up proper latch-in and correct pressure readings were achieved. The well was held closed for 21 hours. Approximately one hour before the well was opened for main flow, there were indications of a leakage in the SRO area. The well was opened on a 12/64" (4.76 mm) choke and the choke size was then increased first to 1" (25.4 mm) and then to 2" (50.8 mm). Soon after, the signal from the SRO gauge was lost and then tension on wireline was lost. The well was therefore shut-in on choke manifold. The wireline was pulled slowly out and the weight picked up when 250 m wire was out of the hole. The SRO gauge on wireline was pulled further out but suddenly the wire broke and 1750 m of wire was lost in the hole. The well was therefore bullheaded.

FLUID PRODUCTION AND SAMPLING

Gas with traces only of water was produced in DST 1B. H_2S was not detected neither at the wellhead nor at separator using standard "Drager sniffers". Only traces of CO_2 was detected: 0.2 - 0.3 %. The gas rate was 14323 sm^3/d with a choke size of 12/64" (4.76 mm). Trace element analyses were performed during the flow period. There was only one flow period due to operational problems.

Two PVT gas bottles were filled with gas from separator. The choke size during sampling was 12/64" (4.76 mm).

Sampling time		Sample no.	Bottle no.	Separator pressure
DATE	TIME			
880403	1530-1545	7	A-15352	415 kPa
880403	1530-1545	8	A-15744	415 kPa

Formation water was sampled from outlet heater. The chlorid content was measured to 9000 ppm and the density to 1.04 g/cm^3.

COMPOSITION OF RESERVOIR GAS

Component	Mol %
N_2	2.08
CO_2	0.19
CH_4	91.96
C_2H_4	3.49
C_3H_6	1.07
i-C_4H_8	0.28
n-C_4H_8	0.28
i-C_5H_{10}	0.12
n-C_5H_{10}	0.09
C_6H_{12}	0.15
C_7H_{14}	0.14
C_8H_{16}	0.08
C_9H_{18}	0.04
$C_{10}H_{20}$	0.02
$C_{11}H_{22}$	0.004
$C_{12}H_{24}$	0.001
$C_{13}H_{26}$+	0.001

Gas gravity: 0.62

INPUT PARAMETERS

Perforated interval	: 2935 - 2951 and 2913 - 2926 m RKB
Producing interval	: 2913 - 2926 m RKB
Producing height, h	: 13 m
Average porosity, ø	: 12.5 %
Formation water salinity	: 200000 ppm
Formation temperature	: 98 degr. C
Wellbore radius, rw	: 0.156 m
Z-factor	: 1.0549
Gas viscosity, µg	: 0.025 mPa s
Gas volume factor, Bg	: 0.003624 rm^3/sm^3
Gas isothermal compressibility, Cg	: 0.0000166 1/kPa
Formation isothermal compressibility, Cfr	: 0.000000643 1/kPa
Total isothermal compressibility, Ct	: 0.000017506 1/kPa
Production time, tp	: 24 hours
Production rate, Qg	: 14323 sm^3/d
Final flowing pressure, Pwf	: 2048.5 kPa
P1hr	: 27240 kPa
Reservoir pressure	: 37989 kPa
Slope of Horner straight line, m	: 7661.6 kPa/log cycle

CONCLUSION

The test objectives were all fullfilled:

- Reservoir fluid was produced to surface and samples for analysis collected
- Pressure and temperature were registered
- Permeability and productivity can be calculated

The reservoir is very tight with a permeability of less then 0.1 mD. This is in agreement with data from the core taken just below the reservoir zone.

TOTAL MUD MATERIALS

Well: 7226/11-1 **Operator:** Statoil

Quantity:	Material:	Units:	Unit Price:	Total Cost:
1537	Barite	ton	770,00	1 183 490,00
235	Bentonite	ton	2 150,00	505 250,00
48	Bentonite	50 kg	101,00	4 848,00
116	Bicarbonate	50 kg	150,00	17 400,00
468	CMC HV	25 kg	284,75	133 263,00
10	Desco	25 lbs	250,00	2 500,00
380	Drispac Reg	50 lbs	560,00	212 800,00
864	Drispac SL	50 lbs	560,00	483 840,00
1057	Gypsum	40 kg	50,00	52 850,00
1567	Lignite	25 kg	95,00	148 865,00
154	Lime	40 kg	80,00	12 320,00
56	Milgard	25 kg	623,00	34 888,00
71	Miltemp	25 kg	2 345,00	166 495,00
613	NaOH	25 kg	100,00	61 300,00
5	Probio	200 liter	4 650,00	23 250,00
24	Probio II	25 liter	581,00	13 944,00
54	Prodefoamer	25 liter	693,00	37 422,00
1400	Prodefoamer	liter	27,20	38 080,00
1535	Prothin	25 kg	115,00	176 525,00
36	Soda Ash	50 kg	150,00	5 400,00
8	XCD-polymer	25 kg	2 633,00	21 064,00

Total Cost: 3 335 794,00

Depth at TD [m] 4940

Average Cost pr Meter: 675,26

CASING INTERVAL

Well:	7226/11-1	**Operator:**		
Casing:	30"	**From/to:**	260,0 m	361,0 m
Bit:	36"	**From/to:**	260,0 m	361,0 m

Quantity:	Material:	Units:	Unit Price:	Total Cost:
159	Barite	ton	770,00	122 430,00
27	Bentonite	ton	2 150,00	58 050,00
251	CMC HV	25 kg	284,75	71 472,25
6	NaOH	25 kg	100,00	600,00
3	Soda Ash	50 kg	150,00	450,00

ALL PRISES IN NOK

Total Cost for Interval:	253 002,25
Average Cost pr Meter	2 504,97
Drilling days: 3	
Average Cost pr Day	84 334,08

CASING INTERVAL

Well:	7226/11-1	**Operator**		
Casing:	20"	**From/to:**	260,0 m	698,0 m
Bit:	26"	**From/to:**	363,0 m	719,0 m

Quantity:	Material:	Units:	Unit Price:	Total Cost:
15	Barite	ton	770,00	11 550,00
35	Bentonite	ton	2 150,00	75 250,00
187	CMC HV	25 kg	284,75	53 248,25
136	Drispac SL	50 lbs	560,00	76 160,00
10	NaOH	25 kg	100,00	1 000,00
2	Probio	200 liter	4 650,00	9 300,00
6	Prothin	25 kg	115,00	690,00
6	Soda Ash	50 kg	150,00	900,00

ALL PRISES IN NOK

Total Cost for Interval:	228 098,25
Average Cost pr Meter	640,73
Drilling days: 7 Average Cost pr Day	32 585,46

CASING INTERVAL

Well:	7226/11-1	**Operator:**		
Casing:	13 3/8"	**From/to:**	260,0 m	2485,0 m
Bit:	17 1/2"	**From/to:**	696,0 m	2515,0 m

Quantity:	Material:	Units:	Unit Price:	Total Cost:
285	Barite	ton	770,00	219 450,00
23	Bentonite	ton	2 150,00	49 450,00
48	Bentonite	50 kg	101,00	4 848,00
27	CMC HV	25 kg	284,75	7 688,25
10	Desco	25 lbs	250,00	2 500,00
380	Drispac Reg	50 lbs	560,00	212 800,00
728	Drispac SL	50 lbs	560,00	407 680,00
1007	Gypsum	40 kg	50,00	50 350,00
154	Lime	40 kg	80,00	12 320,00
56	Milgard	25 kg	623,00	34 888,00
42	NaOH	25 kg	100,00	4 200,00
3	Probio	200 liter	4 650,00	13 950,00
20	Probio II	25 liter	581,00	11 620,00
75	Prothin	25 kg	115,00	8 625,00
5	Soda Ash	50 kg	150,00	750,00
8	XCD-polymer	25 kg	2 633,00	21 064,00

ALL PRISES IN NOK

Total Cost for Interval:	1 062 183,25
Average Cost pr Meter	583,94
Drilling days: 29 Average Cost pr Day	36 627,01

CASING INTERVAL

Well:	7226/11-1	**Operator:**		
Casing:	9 5/8"	**From/to:**	260,0 m	4045,0 m
Bit:	12 1/4"	**From/to:**	2485,0 m	4062,0 m

Quantity:	Material:	Units:	Unit Price:	Total Cost:
544	Barite	ton	770,00	418 880,00
77	Bentonite	ton	2 150,00	165 550,00
95	Bicarbonate	50 kg	150,00	14 250,00
400	Defoamer	liter	27,72	11 088,00
50	Gypsum	40 kg	50,00	2 500,00
997	Lignite	25 kg	95,00	94 715,00
266	NaOH	25 kg	100,00	26 600,00
37	Prodefoamer	25 liter	693,00	25 641,00
744	Prothin	25 kg	115,00	85 560,00
10	Soda Ash	50 kg	150,00	1 500,00

ALL PRISES IN NOK

Total Cost for Interval:	846 284,00
Average Cost pr Meter	536,64
Drilling days: 41 Average Cost pr Day	20 641,07

CASING INTERVAL

Well:	7226/11-1	**Operator:**		
Casing:	not cased	**From/to:**	0,0 m	0,0 m
Bit:	8 1/2"	**From/to:**	4045,0 m	5200,0 m

Quantity:	Material:	Units:	Unit Price:	Total Cost:
534	Barite	ton	770,00	411 180,00
73	Bentonite	ton	2 150,00	156 950,00
21	Bicarbonate	50 kg	150,00	3 150,00
3	CMC HV	25 kg	284,75	854,25
1000	Defoamer	liter	27,72	27 720,00
570	Lignite	25 kg	95,00	54 150,00
71	Miltemp	25 kg	2 345,00	166 495,00
289	NaOH	25 kg	100,00	28 900,00
4	Probio II	25 liter	581,00	2 324,00
17	Prodefoamer	25 liter	693,00	11 781,00
710	Prothin	25 kg	115,00	81 650,00
12	Soda Ash	50 kg	150,00	1 800,00

ALL PRISES IN NOK

Total Cost for Interval:	946 954,25
Average Cost pr Meter	819,87
Drilling days: 60	
Average Cost pr Day	15 782,57

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SUMMARY

It has been possible to establish a reliable vitrinite reflectance versus depth trend in well 7226/11-1 from 755 mrkb down to 5187 mrkb. Vitrinite reflectance values is excess of Rm =5.0 have been measured below 5000 Rm.

DISTRIBUTION

Statoil (10)
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KEYWORDS

	NAME	DATE	SIGNATURE
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1. INTRODUCTION

This report gives the results of a vitrinite reflectance, spore colour and visual kerogen description study performed on 44 samples covering the depth interval from 755 mrkb to 5187 mrkb in well 7226/11-1 offshore Norway.

The most important aim of the study was to establish a reliable vitrinite reflectance versus depth profile of the entire well section. This was accomplished by the vitrinite reflectance analysis and confirmed by the spore colour estimates. In addition, visual kerogen description was performed on the same sample preparations as for the spore colour estimates.

2. MATERIAL

The data being used in this study were obtained from analyses of 44 samples. The samples subjected for analyses were conventional cores, sidewall cores and ditch cuttings. One sample lacked information about sample type (ST 911, 3880-99 mrkb). The samples were mainly claystones, but a few coal samples were also included.

All the 44 samples were subjected for vitrinite reflectance, whereas only 36 of the samples were subjected for spore colour estimates and visual kerogen description. 25 of the vitrinite reflectance sample results have been included from previous reports (Throndsen, 1987; 1988).

3. ANALYTICAL TECHNIQUES

3.1 Vitrinite reflectance

Vitrinite reflectance is a standard parameter to assess the rank of coal, and it is widely used in petroleum exploration in geochemical studies as a reference indicator of organic maturity (Tissot and Welte, 1984) and in mathematical basin modelling as a calibration parameter for paleotemperature reconstruction (Lerche et al., 1984; Tissot and Welte, 1984; Yukler and Kokesh, 1984; Welte and Yalcin, 1986).

In this report the term 'vitrinite reflectance' is used throughout although strictly vitrinite, is defined only for the bituminous coal range for reflectance values above approximately Rm=0.50. The vitrinite precursor in the lower reflecting brown coal range is called 'humunite'.

The samples being analysed for vitrinite reflectance in this study were not treated with any acid prior to further preparation; bulk rock material was embedded in a cold setting epoxy resin to make briquettes. These were subsequently ground flat and polished using 0.25 µm diamond paste and magnesium oxide as the two final steps.

The analytical equipment being used was a Zeiss MPM 03 photometer-microscope. Viewing and measurements were made through a Zeiss Epiplan Neofluoar 40/0.90 oil objective using immersion oil with refractive index n=1.518. The measurements were made through a green filter with peak transmission at 546 nm, and with a photometer sensitive field of about 2.5 µm in diameter. For photometer calibration two standards were used with reflectance in oil of Rm=0.588 and Rm=0.879 respectively. The readings were performed without a polarizer and using a stationary stage. This has become more or less standard in vitrinite reflectance studies where clastic samples are to be analysed. This procedure is called measurement of random reflectance (Rm). This technique permits smaller particles to be measured which is important for clastic samples, and the results do not deviate significantly in precision from those obtained using a rotating stage technique. The reader is referred to Davis (1978), Ting (1978), Stach et al. (1982) and Bustin et al. (1985) for further information on these topics, and to Bostick (1971) and Bostick and Alpern (1977) for topics related to measurements on clastic samples. On each sample normally as many particles as possible up to 25 were measured. A representative population was selected among the readings based on observations made during measuring, and an arithmetic mean was calculated for this population. The principles for constituent selection followed that of Bostick (1971, 1979) and Bostick and Alpern (1977).

3.2 Spore colour estimates and visual kerogen description

During the last 10-15 years spore colour estimates have become widely used in petroleum exploration in geochemical studies to indicate the level of organic maturity (Hunt, 1979; Tissot and Welte, 1984, Throndsen et al., 1988). The methods that are most commonly used today are simple, and very few improvements have been made since the principles were introduced in the late 1960's (Correia, 1967; Staplin, 1969). In this study we have used the method introduced by the Robertson Research Group (Barnard et al., 1976). It is a ten point Spore Colouration Index (SCI) scale based on visual estimates of spores only. The colour scale, and a correlation scheme between SCI and vitrinite reflectance (Ower, 1980) are shown in Figure 1.

The visual kerogen descriptions in transmitted light including fluorescence were performed on both un-sieved and sieved preparations according to the classification scheme and recommendations given in the 'Organic Geochemistry Standard analytic procedure,,requirement and reporting guide' prepared by Norsk Hydro, NPD, Saga Petroleum and Statoil.

The preparation procedures were kept equal for all the samples included in this study (except for the coal samples). Standard palynological preparation techniques were employed, including un-sieved and sieved preparations (15 µm net). Weak oxidation (conc. HNO_3 for 15 min.) was necessary for the coal samples. The resulting organic residues (un-sieved and sieved) were mounted separately as ordinary strew mounts using elvacite as embedding medium. The sample preparations were made by Stratlab A.S.

The analytical equipment being used was a Zeiss Universal equipped for transmitted light. The colour estimates were made through a Zeiss Neofluoar 40/0.75 dry objective for transmitted light. The voltage of the light source, a 100 W tungsten lamp, was set to 7.5 V (2850 K). The visual kerogen descriptions were made through a Zeiss Neofluoar

25/0.60 dry objective for transmitted light. The fluorescence observations were made through the same objective in blue-violet excitation using the fluorescence condensor III RS.

4. RESULTS

The vitrinite reflectance results and interpretations are given in Table 1 (analytical data) and Table 2 (vitrinite reflectance versus depth trend), whereas all the raw data including histograms are given in Appendix. The raw data and histograms from the 25 samples included from the previous reports (Throndsen, 1987; 1988) are not included here.

The spore colour data are given in Table 3.

The visual kerogen description data are given in Table 4 (un-sieved preparations) and in Table 5 (sieved preparations)

The vitrinite reflectance sample results are sufficiently reliable to establish a vitrinite reflectance versus depth trend for the interval from 755 mrkb to 5187 mrkb. Particularly the sample data around 1200 mrkb, 2050 mrkb and 3900 mrkb are highly reliable. The very high reflectance values measured deeper than 4500 mrkb are also considered as reliable. The vitrinite reflectance results are in accordance with the spore colour estimates.

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7. LIST OF FIGURES

8. LIST OF TABLES

9. APPENDIX

Figure 1. Approximate correlation between the SCI spore colour scale and vitrinite reflectance after Ower (1980).

vitrinite reflectance Rm	spore colour SCI	palynomorph colour (pollen and spores)
0.2		1: colourless, pale yellow
0.3	2	2: pale yellow - lemon yellow
0.4	3-4	3: lemon yellow 4: golden yellow
0.5	5-6	5: yellow orange
0.6		6: orange
0.7	7	7: orange brown
0.8		8: dark brown
0.9	8.5	
1.0		
1.2		
	9	9: dark brown - black
1.4		
1.6		
1.8		
2.0	9.5	
2.4		
3.0		
	10	10: black
4.0		

Table 1. Vitrinite reflectance data well 7226/11-1.

WELL: 7226/11-1

sample code IFE	sample depth mrkb	sample type	lithology	vitrinite reflectance Rm (N)	sample quality
ST 891	755.0	swc	clst	0.41 (4)-	-+o-o
ST 892	855.0	swc	clst	0.26 (2)-	-+o-o
ST 893	1003.0	swc	clst	0.69 (4)--	
ST 887	1167.00	core	clst	0.43 (25)+	ooooo
ST 888	1211.50	core	sst	0.40 (25)+	ooooo
ST 889	1231.60	core	coal Vi	0.38 (25)+	ooooo
ST 890	1234-47	core	coal Vi	0.47 (25)+	ooooo
ST 894	1244.70	core	clst	0.40 (25)+	ooooo
ST 895	1408.0	swc	clst	0.44 (2)-	-+ooo
ST 896	1542.50	core	clst	0.53 (24)	ooo--
ST 897	1688.5	swc	clst	0.42 (13)-	-+--o
ST 898	1825.0	swc	clst	0.51 (4)-	-oo--
ST 899	1916.0	swc	clst	0.62 (19)	-+---
ST 900	2046.0	swc	clst	0.58 (8)	-++--
ST 933	2050.70	core	coal Cl	0.51 (25)+	ooooo
ST 932	2055.00	core	coal Vi	0.62 (25)+	ooooo
ST 901	2142.30	core	clst	0.61 (25)	oooo-
ST 902	2201.0	swc	clst	0.56 (14)	ooo--
ST 903	2306.0	swc	clst	0.63 (6)-	-oo--
ST 904	2428.0	swc	clst	0.71 (6)	-o+oo
ST 918	2548.2	swc	clst	0.73 (5)-	-oo--
ST 919	2617.0	swc	clst	0.85 (4)	-o+oo
ST 920	2720.0	swc	clst	0.96 (2)-(-)	-++--
ST 921	2848.0	swc	clst	1.01 (5)	-o+oo
ST 905	2951.00	core	clst	1.58 (10)--	
ST 906	2953.70	core	clst	0.95 (2)-(-)	-++--
ST 907	2955.50	core	clst	0.97 (3)-(-)	-++--
ST 926	3057	cut	clsy	0.94 (9)-	-++-o
ST 908	3059.25	core	slst	1.30 (16)-(-)	o++oo
ST 909	3067.25	core	slst	-	
ST 927	3117	cut	clst	1.30 (6)-(-)	-++--
ST 910	3237.50	core	clst	1.69 (5)-(-)	-++--
ST 922	3362.5	swc	slst	1.48 (5)-(-)	-++--
ST 923	3515.0	swc	clst	1.65 (15)-	-++--
ST 924	3671.0	swc	clst	1.75 (5)-	-++--
ST 925	3842.0	swc	clst	1.52 (5)-	-ooo-
ST 911	3880-99	?	clst	1.75 (10)	o-oo-
				alt. 2.27 (25)	o+ooo
ST 934	3921.50	core	clst	1.78 (18)	o+ooo
ST 935	4145.27	core	chert	2.04 (7)-	-++--
ST 929	4407	cut	chert	2.20 (12)-	o++--
ST 928	4557	cut	clst	2.84 (19)-	-++--
ST 936	4602.75	core	chert	4.52 (19)-	-++oo
ST 931	5037	cut	slst	-	
ST 930	5187	cut	slst	7.19 (8)	o++-o

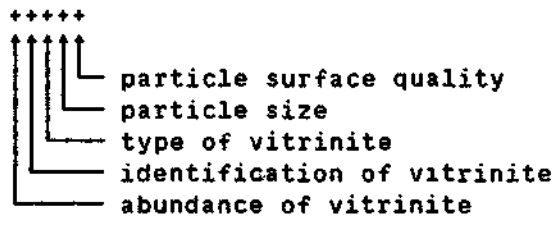
...Table 1 cont'd

LEGEND

Rm	: mean random reflectance in oil
N	: number of readings
+	: very good sample
-	: poor sample
--	: not vitrinite
-(-)	: possibly vitrinite
Vi	: pure vitrite (cp. Throndsen, 1986)

CODE FOR DATA QUALITY

The sample quality is characterised by five items as follows:



+ : may give a too high vitrinite reflectance value
o : have no effect on the resulting vitrinite reflectance value
- : may give a too low vitrinite reflectance value

An ideal sample is characterised as follows: ooooo

Table 3. Spore colour estimates.

WELL: 7226/11-1

sample code IFE	sample depth mrkb	sample type	lith	spore colour SCI-scale	
ST 891	755.0	swc	clst	(3-4)	
ST 892	855.0	swc	clst	(3-4)	
ST 893	1003.0	swc	clst	(3-4)	
ST 894	1244.70	core	clst	(2)/(3-4)	
ST 895	1408.0	swc	clst	(2)/(3-4)	
ST 898	1825.0	swc	clst	(5-6)/(7)	
ST 899	1916.0	swc	clst	(5-6)/(7)	
ST 900	2046.0	swc	clst	(5-6)	
ST 933	2050.70	core	coal	-	ox. 15 min.
ST 932	2055.00	core	coal	(3-4)/(5-6)	ox. 15 min.
ST 901	2142.30	core	clst	(3-4)/(5-6)	
ST 902	2201.0	swc	clst	(5-6)	
ST 903	2306.0	swc	clst	(5-6)/(7)	
ST 904	2428.0	swc	clst	(5-6)/(7)	
ST 918	2548.2	swc	clst	(7)/(8)	
ST 919	2617.0	swc	clst	(8.5)	
ST 920	2720.0	swc	clst	(8.5)	
ST 921	2848.0	swc	clst	(9)	
ST 907	2955.50	core	clst	(8.5)	
ST 926	3057	cut	clst	(8.5)	
ST 908	3059.25	core	slst	(9)/(9.5)	
ST 909	3067.25	core	slst	(8.5)/(9)	
ST 927	3117	cut	clst	(9)	
ST 910	3237.50	core	clst	(8.5)/(9)	
ST 922	3362.5	swc	slst	(9)	
ST 923	3515.0	swc	clst	(9)	
ST 924	3671.0	swc	clst	(9.5)	
ST 925	3842.0	swc	clst	(9.5)	
ST 911	3880-99	?	clst	(9)/(9.5)	
ST 934	3921.50	core	clst	(9)/(9.5)	
ST 935	4145.27	core	chert	(9)/(9.5)	
ST 929	4407	cut	chert	(9)/(9.5)	
ST 928	4557	cut	clst	(9)/(9.5)	
ST 936	4602.75	core	chert	(10)	
ST 931	5037	cut	slst	(9)	
ST 930	5187	cut	slst	(10)	

Table 4. Visual kerogen description, un-sieved preparations (Legend see Table 6).

WELL: 7226/11-1

sample code IFE	sample depth mrkb	kerogen description (%)				
		amorphous		liptinite	vitrinite	inertinite
		LIP	HUM			
ST 891	755.0	0	60-F	1-S,Fa	30-F,Fa	10-F
ST 892	855.0	0	90-F	0	10-F,Fa	1-F
ST 893	1003.0	0	65-F	0-S/P,Fa	30-F/M,Fa	5-F
ST 894	1244.70	0	50-F	5-S/P,Fa	40-F/M/L, Fa/Po	5-F
ST 895	1408.0	0	90-F	1-S,Po	5-F,Fa	5-F
ST 898	1825.0	0	65-F	1-S/P,Fa	30-F,Fa	5-F
ST 899	1916.0	0	70-F	5-S/P,Fa	20-F/M, Fa/Po	5-F
ST 900	2046.0	0	75-F	10-S/P,Fa	10-F/M,Fa	5-F
ST 933	2050.70	0	0	0	90-M/L,Fa	10-F/M
ST 932	2055.00	0	0	1-S/P,Po	90-F/M,Fa	10-F/M
ST 901	2142.30	0	50-F	10-S/P,Fa 10-Cu	30-F/M/L, Fa/Po	1-F/M
ST 902	2201.0	0	65-F	10-S/P,Fa	20-F/M, Fa/Po	5-F
ST 903	2306.0	0	65-F	10-S/P,Fa	20-F/M, Fa/Po	5-F
ST 904	2428.0	0	80	5-S/P,Fa	10-F/M,Po	5-F/M
ST 918	2548.2	0	70	5-S/P,Fa	20-F/M,Po	5-F
ST 919	2617.0	0	65	5-S/P, Fa/Po	20-F/M,Po	10-F
ST 920	2720.0	0	65	1-S/P	20-F,Po	15-F
ST 921	2848.0	0	60	1-S/P	25-F,Po	15-F
ST 907	2955.50	5-F	50-F	10-S/P,Fa	20-F/M, Fa/Po	15-F
ST 926	3057	0	85	1-S,Fa	10-F/M,Po	5-F
ST 908	3059.25	0	10	1-S,Fa	45-M/L,Fa	45-M
ST 909	3067.25	0	30	1-S,Fa	35-F/M,Po	35-F
ST 927	3117	0	60	1-S,Fa	20-F/M,Po	20-F
ST 910	3237.50	0	10	1-S,Fa/Po	50-F/M,Po	40-F
ST 922	3362.5	0	75-F	1-S,Fa/Po	15-F/M,Po	10-F
ST 923	3515.0	0	80-F	1-S,Po	10-F/M,Po	10-F
ST 924	3671.0	0	70-F	1-S,Po	20-F/M,Po	10-F
ST 925	3842.0	0	70-F	1-S,Po	20-F/M,Po	10-F
ST 911	3880-99	0	70-F	0	20-F/M,Po	10-F/M
ST 934	3921.50	0	45	1-S/P,Po	50-F/M,Po	5-F
ST 935	4145.27	0	60	1-S/P,Po	20-F/M,Po	20-F/M
ST 929	4407	0	50	0	30-F/M,Po	20-F/M
ST 928	4557	0	0	0	80-M/L,Po	20-F/M
ST 936	4602.75	0	70	1-S/P,Po	20-M,Po	10-F
ST 931	5037	0	85	1-S/P,Po	5-F/M,Po	10-F
ST 930	5187	0	10	1-S/P,Po	0	90-F/M

Table 5. Visual kerogen description, sieved preparations 15 µm (Legend see Table 6).

WELL: 7226/11-1

sample code IFE	sample depth mrkb	kerogen description (%)				
		amorphous		liptinite	vitrinite	inertinite
		LIP	HUM			
ST 891	755.0		5	20-S/P/Cy, Fa	30-M,Fa/G	45-M
ST 892	855.0		50	10-S/P/Cy, Fa	20-M,Fa/G	10-M
ST 893	1003.0		10	20-S/P/Cy, Fa	40-M,Fa/G	30-M
ST 894	1244.70		65	10-S/P/Cy, Fa	20-M,Po	5-M/L
ST 895	1408.0		65	10-S/P,Fa	20-M,Fa/G	5-M/F
ST 898	1825.0		10	40-S/P,Fa	20-M	30-M
ST 899	1916.0		15	45-S/P/Cy, Fa	35-M	5-M
ST 900	2046.0		5	70-S/P/Cy, Fa	20-M	5-M
ST 933	2050.70		0	0	70-M/L,Fa	30-M/L
ST 932	2055.00		0	1-S,Fa	50-M,Fa	50-M
ST 901	2142.30		0	1-S/P,Fa 60-Cu,L	40-M/L,Po	1-L
ST 902	2201.0		10	20-S/P, Fa/Po	50-M,Po	10-M
ST 903	2306.0		5	20-S/P, Fa/Po	60-M,Po	10-M
ST 904	2428.0		70	10-S/P, Fa/Po	10-M,Po	10-M
ST 918	2548.2		0	60-S/P/Cy, Fa	30-M,Po	10-M
ST 919	2617.0		0	50-S/P/Cy, Fa	40-M,Fa/Po	10-M
ST 920	2720.0		5	10-S,Fa	35-M,Po	50-M
ST 921	2848.0		40	20-S/P/Cy, Fa	20-M,Po	20-M,F
ST 907	2955.50		5	45-S/P,Fa	30-M/L,Fa	20-M
ST 926	3057		20	20-S/P,Fa	40-M/L,Fa	20-M
ST 908	3059.25		5	5-S/P,Fa	50-M/L,Fa	40-M/L
ST 909	3067.25		0	0	40-M/L,Fa	60-M/L
ST 927	3117		0	15-S/P,Fa	50-M,Fa/Po	30-M
ST 910	3237.50		0	20-S	50-M/L,Po	30-M
ST 922	3362.5		0	10-S,Po	30-M/F,Po	60-M
ST 923	3515.0		10	5-S,Po	20-M/F,Po	65-M/F
ST 924	3671.0		10	5-S,Po	25-M/F,Po	60-M/F
ST 925	3842.0		10	1-S,Po	40-M,Po	50-M/F
ST 911	3880-99		10	5-S,Fa/Po	30-M/L	30-M/L
ST 934	3921.50		5	5-S,Po	20-M/F,Po	70-M/F
ST 935	4145.27		10	1-S,Po	50-M/F,Po	40-M
ST 929	4407		10	1-S,Po	80-M,Po	10-M
ST 928	4557		0	1-S,Po	90-M,Po	10-M
ST 936	4602.75		70	1-S,Po	10-M,Po	20-M
ST 931	5037		30	1-S,Po	20-M,Po	50-M
ST 930	5187		0	0	5-M,Po	95-M

Table 6. Legend to Tables 4 and 5.

maceral	size	preservation
Cu cutinite	F fine	Po poor
Cy cysts	M medium	Fa fair
P pollen	L large	G good
S spores		

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1 INTRODUCTION.

This report presents the results of a routine geochemical study of the well 7226/11-1 in the Barents Sea. The analytical work was performed according to a geochemical standard, which Norsk Hydro, NPD Saga Petroleum and Statoil have agreed on (Organic Geochemistry Standard analytical procedure requirement and reporting guide. June 1988). The project was carried out at Statoil's GEOLAB with subcontracts to IFE ("Vitrinite reflectance and kerogen description" and "Report on stable isotopes on natural gas", See: Appendices A, B and C) and IKU (three samples for biomarker analyses).

Objective.

The aim of this report is to give a organic geochemical evaluation of the source rocks and migrated hydrocarbons and characterise the hydrocarbons in well 7226/11-1 with respect to potential source kerogen facies and levels of maturity.
The amount of samples and type of analyses are as follows:

	SAMPLE TYPE		
ANALYSIS	CUTT	SWC	CORE	TOTAL
Headspace and occluded gas	53			53
TOC	59	17	47	123
Pyrolysis *	63	19	46	128
Extraction	15	5	12	32
Group separation	13	3	5	21
GC saturated	13	3	5	21
GC aromatic	13	3	5	21
Isotope $\delta^{13}C$ of fractions	13	3	5	21
Biomarker	4	2	5	11
Vitrinite reflectance	7	19	18	44
Kerogen description	7	18	11	36

* These pyrolysis analyses suppliment those carried out on the rig by EXLOG using an OSA.

Two gas samples were analysed for composition and the isotope $\delta^{13}C$ and δD content.

2 GENERAL WELL INFORMATION.

Casing:	30"	:	361.0 mKB
	20"	:	696.0 mKB
	13 3/8"	:	2485.0 mKB
	9 5/8"	:	4045.0 mKB

CORE:

Core no.	1:	1167 - 1168	m RKB*
" "	2:	1202 - 1224	m RKB
" "	3:	1224 - 1246	m RKB
" "	4:	2140 - 2143	m RKB
" "	5:	2951 - 2957.7	m RKB
" "	6:	3057 - 3084	m RKB
" "	7:	3236 - 3240	m RKB
" "	8:	4139 - 4146	m RKB
" "	9:	4593 - 4615.5	m RKB
" "	10:	5195 - 5200	m RKB

* Core depths

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY. Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
S2918	748.0	0.9	100% Clyst, med grey, soft, sl calc, silty, glau, micromic
			tr Shell frag
S2919	808.0	0.9	100% Clyst, as above, non calc,
			tr Dolomite, light brown, hard, crystallin
			tr Shell frag
S2920	928.0	0.8	100% Clyst, as above, non calc,
			tr Dolomite, as above
			tr Shell frag
S2921	1018.0	0.8	100% Clyst, med grey, firm, some calc, silty micromic, glau
			tr Limest, light to med grey, hard, crysta
			tr Dolomite, light brown, hard, crystallin
			tr Shell frag
S2922	1048.0	0.8	100% Clyst, as above
			tr Dolomite, as above
			tr Shell frag
S2923	1108.0	0.4	80% Clyst, med grey-green grey, firm, block noncalc, sl silty, glau, micromic
			20% Clyst, red brown, firm, non-sl calc, blocky, sl silty, micromic
			tr Limest, white-light grey, firm, crystal
			tr Tuff, white.light grey, firm
S2924	1138.0	0.4	85% Clyst, med grey-green grey, noncalc, sl silty, glau, micromic
			15% Clyst, redbrown, as above
			tr Limest, med brown, crystalline,very har blocky
S3045	1150.0	7.2	100% Clyst, brown black to yellow brown, mod hard, very carb, pyrite, sl micromic, silty, non calc
			tr Marl/limest & olive grey to darkgreen grey clayst as above
S3046	1159.0	5.6	70% Clyst, as above
			20% Mrl/limest, as above with abundant pyrite
			10% Clyst, olive grey to dark green grey to green grey, as above
S2751 CORE	1167.05	9.9	100% Clyst, dark grey black, carb

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
S2752 CORE	1167.5	11.8	100%	Clyst, dark grey black, carb, coaly
S2753 CORE	1168.0	7.3	100%	Clyst, dark grey black, carb
S2925	1168.0	10.1	90%	Clyst, dark brown-grey, firm, blocky, sl silty, noncalc, micromic, carb
			10%	Clyst, light grey-green, noncalc, firm silty, glau, micromic
			tr	Limest, white to pail grey, hard, cryst
			tr	Dol, light grey, hard, crystalline
S2774 SWC	1176.0	9.0	100%	Clyst, brown black, micromica, sl carb
S3047	1180.0	7.6	100%	Shale, brown black to yellow brown, mod hard, very carb, silty, pyrite, micromi non calc
			tr	Limest, light brown grey, intercalated in shale
S2926	1198.0	9.7	90%	Clyst, dark brown, as above
			10%	Clyst, light green-grey, as above
			tr	Limest, white, as above
S2754 CORE	1202.0		100%	Sandst, brown to dark brown, loose,
S2755 CORE	1205.5		100%	Sandst, brown to dark brown, med to coarse, loose to mod hard
S2756 CORE	1210.5		100%	Sandst, brown to dark brown, med coarse to coarse, loose
S2769 CORE	1214.0	4.7	100%	Shale, dark grey
S2770 CORE	1214.1	5.6	100%	Shale, as above
S2757 CORE	1221.05		100%	Sandst, dark grey, coarse, loose
S2758 CORE	1225.6		100%	Sandst, as above
S2927	1228.0		85%	Sand, qtz, clear to white, med to coars mod sorted, subang to subrounded, loose

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
		2.0	15%	Clyst, med grey, non calc, sl silty, micromica
			tr	Limest, med grey, crystalline
			tr	Coal, black, brittle
			tr	Pyrite
S2760 CORE	1231.0	69.1	100%	Coal
S2759 CORE	1232.6		100%	Sandst, grey brown, med coarse, loose t mod hard
S2761 CORE	1235.5	0.3	100%	Shale, grey
S2762 CORE	1236.5	0.4	100%	Shale, grey w/lines of light grey, mod hard
S2763 CORE	1238.5	25.3	100%	Carbonaceous shale, dark
S2764 CORE	1240.25	0.9	100%	Shale, grey
S2765 CORE	1242.55		100%	Sandst, grey, fine, loose to mod hard, weakly laminated
S2766 CORE	1244.5		100%	Sandst, grey, fine, loose to mod hard, micromic
			tr	Siltstone, laminated
S2767 CORE	1244.7	3.6	100%	Shale, grey
S2768 CORE	1246.7	0.5	100%	Shale, light grey, mod hard, sl laminated
S2928	1258.0	1.3	80%	Clyst, med-dar grey, as above
			15%	Dolomite, light grey to light brown, very hard, crystalline
			5%	Siltst, white-pale to grey, silty, mod hard, dol cemented, micromic, carb
S2929	1318.0	2.4	55%	Clyst., grey to d. grey, non calc, firm sl. silty, micromic
			45%	Siltst, offwhite, noncalc, firm, micromic, carb
			tr	Qtz, clear
			tr	Coal

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
S2775 SWC	1320.0	1.3	100%	Clyst, med dark grey, sl silty, micromica, sl carb, non calc
S2930	1378.0	1.2	70%	Siltst, offwhite, noncalc, firm to mod hard, carb
			30%	Clyst, as above
			tr	Qtz, clear
			tr	Clyst, red brown
S2931	1468.0	0.8	95%	Clyst, med-dark grey, (noncalc, firm, sl. silty, micromic), as above
			5%	Clyst, red brown, firm, noncalc
			tr	Siltst
			tr	Sandst
			tr	Pyrite
S2932	1528.0	0.7	90%	Clyst, med-dark grey, as above
			10%	Clyst, red brown, as above
			tr	Siltst, offwhite
			tr	Limestone, offwhite-yellow
S2933	1588.0	1.1	95%	Clyst, med dark grey, noncalc, firm, sl silty, micromic
			5%	Clyst, redbrown, firm, noncalc
			tr	Siltst, offwhite
			tr	Sandst, glau
			tr	Limest, offwhite-yellow
(S2933A)		70.3	tr	Coal
S2934	1677.0	0.9	50%	Sandst, clear to white, very fine to fine, well sorted, ang, brittle, clau carb
			45%	Clyst, med dark grey, as above
			5%	Clyst, red brown, as above
			tr	Siltst, white to light brown
			tr	Pyrite
S2935	1767.0	1.0	90%	Clyst, med to dark grey, occ green grey non to sl calc, firm, silty, micromic
			5%	Clyst, red brown, noncalc
			5%	Siltst, grey green to light brown, calc carb,
			tr	Clyst, light brown
			tr	Limest
S2776 SWC	1854.0	1.0	100%	Clyst, grey black, micromica, non calc
S2936	1887.0	1.3	95%	Clyst, med grey to browngrey, as above,

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY. Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
			5% Siltst, as above tr Clyst, red brown tr Limest
S2937	1917.0	1.0	90% Clyst, med grey to brown, as above 5% Sandst, white to light grey, calc, sl carb, glau 5% Siltst, grey to light brown, non-sl cal tr Clyst, red brown tr Limest tr Pyrite
S2938	1947.0	1.1	55% Clyst, med grey to browngrey, as above 40% Sandst, white to light grey, as above 5% Siltst, grey to light brown, non to sl calc tr Clyst, red brown tr Coal
S2939	1977.0	0.9	65% Clyst, med grey to brown, as above 25% Sandst, white to light grey, calc, carb carb laminated, sl glau 10% Siltst, grey to light brown, as above tr Clyst, red brown tr Coal tr Limest
S2777 SWC	1989.0	1.5	100% Clyst, olive grey, sl micromica, non calc
S2940	2007.0	1.1	70% Clyst, med grey to brown grey, non calc firm, silty, micromic 20% Sandst, white to light grey, sl calc, carb 10% Siltst, grey brown, non to sl calc tr Clyst, red brown
S3010 SWC	2046	0.6	100% Clyst, dark olive grey, firm to mod har fissible to splintry, sl waxy, non calc
S2941	2067.0	0.9	80% Clyst, med to dark grey, firm, non calc sl silty, micromic 10% Clyst, grey green, firm, non calc, sl silty, micromic 5% Siltst, light grey to light green, firm dol cemented, glau, micromic, carb 5% Sandst,light grey, qtz, very fine to fine, well sorted, subang, well calc sm poor visible porosity, friable,glau tr Limest, pale grey to pale brown, hard,

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
				crystalline
S2771 CORE	2140.54	3.8	100%	Shale, dark grey , mod hard
S2772 CORE	2141.3	3.7	100%	Shale, as above
S2773 CORE	2142.3	4.8	100%	Shale, as above
S2942	2157.0	0.8	75%	Clyst, med grey to brown grey, occ gree grey, as above
			10%	Sandst, white to light grey, sl calc to very calc, carb
			15%	Siltst, grey brown, non to sl calc, car micromica
			tr	Dolomite
			tr	Limest, brown
			tr	Clyst, red brown
S3048	2169.0	0.9	70%	Clyst, med dark grey to dark grey, mod hard, sl carb, sl micromic, non calc
			20%	Siltst, light grey to brown grey, very argillaceous, softfirm to mod hard, sl carb
			5%	Sandst, light to med grey, very fine, silty in parts
			5%	Coal, black, shiny, brittle
			tr	Pyrite
S2943	2187.0	1.0	80%	Clyst, pale brown to pale brown grey, minor med dark red brown, in part silty grading to silty clayst, pred soft,non calc, in part sl calc
			20	Sandst, light to med grey, silty in par occ silty lam, occ carb specs, mod sort subang
			tr	Limest
S2778 SWC	2201.0		100%	Sandst, grey, hard, calc cmt, lam of clyst
S2779 SWC	2213.0		100%	Sandst, as above
S2944	2307.0	0.8	50%	Clyst, as above, occ brown grey
			50%	Sandst, as above
			tr	Siltst, brown grey, firm, coal lam, non calc

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY. Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.	
			tr	Dol, light brown, crystalline, hard
S2945	2397.0	0.9	60%	Clyst, light to med grey, sl silty, occ sl sandy, pred soft, micromic, carb
			40%	Shale/clayst, dark grey to grey black, mod hard, micromic, carb, pyrite
			tr	Sandst,
S2946	2487.0	0.8	80%	Shale/clayst, dark grey to grey black, occ sl silty, soft to firm, carb in parts, micrimic, non calc
			20%	Clyst, med to light grey, occ silty, occ sandy, soft to firm, carb in parts, micromic, non calc
			tr	Siltst
			tr	Limest
S2947	2547.0	0.5	80%	Clyst, light grey to grey, firm, non calc, sl silty, micromic
			15%	Siltst, light grey, firm, calc, micromi
			5%	Coal, black, brittle
			tr	Sandst, light grey, very fine, well sor subang, well calsite cemented, mod hard poor visible porosity
S3096 SWC	2548.2		100%	Clyst, med grey, sl micromica, sl carb
S3097 SWC	2617.0		100%	Clyst, med to dark grey, hard, sl micro mica, sl carb
S2948	2637.0	0.3	90%	Clyst, med to dark grey, splintry-needly, platy, firm to mod hard, sl sil sl micromica, non calc
			10%	Limest, arg to marly, soft amorft, microcrystalline
			tr	Lignite
S3098 SWC	2720.0		100%	Clyst, med olive grey, very silty, micr mica, sl carb, sl calc
S2949	2727.0	0.3	70%	Shale, med to dark olive grey, mod hard micromic, sl carb, non calc, in parts silty
			30%	Limest, very sandy, light to med grey, mod hard, mica, sl carb, no visible porosity
S3049	2763.0	0.8	70%	Shale,brown black, firm to mod hard, sl sandy, micromic, silty, non calc

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
			30%	Limest, as above
S2950	2787.0	0.4	60%	Siltst, med to dark grey brown black, firm to mod hard, sandy in parts, micrimic, mod to very calc, sl carb
			30%	Limest, as above
			10%	Shale, as above
S2951	2817	0.4	100%	Siltst, as above
			tr	Shale, as above
S2952	2847.0	0.4	100%	Clyst, olive grey, firm, sl calc, sl to very silty, micromic
			tr	Coal, black, brittle
S3099 SWC	2848.0		100%	Clyst, brown grey, sl micromica, sl car mod calc
S3050	2868.0	0.7	100%	Siltst, med to dark brown grey to brown black, firm to mod hard, sandy, micromi mod to very calc,sl carb
			tr	Limest & shale
S2879 SWC	2915.0	1.5	100%	Sandst, med grey, abundant stinky tarry stains
S2880 SWC	2919.0	0.3	100%	Sandst, olive grey, sl tarry stain
S3051	2919.0		100%	Sandst, light grey to off white, fine t med, partly carb matrix, mica, poor visible porosity
S3052	2931.0		100%	Sandst, as above
			tr	Shale & siltst
S2881 SWC	2935.0	0.1	100%	Sandst, med green grey, sl carb, sl cal
S2882 SWC	2937.0	0.1	100%	Sandst, as above
S2883 SWC	2944.5	0.1	100%	Sandst, olive grey, sl calc cmt, sl car
S2788 CORE	2951.0	0.3	100%	Clyst, grey
S2789 CORE	2951.83	0.1	100%	Siltst, grey green

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
S2790 CORE	2952.8	0.2	100%	Clyst, grey
S2791 CORE	2953.7	0.2	100%	Clyst, as above
S2792 CORE	2954.6	0.03	100%	Clyst, blue grey
S2793 CORE	2955.5	0.15	100%	Clyst, grey
S2794 CORE	2956.02	0.17	100%	Clyst, grey, mica
S2795 CORE	2957.0	0.04	100%	Clyst, silty, grey
S2953	2997.0	0.4	70%	Sandst, green grey, transl qts, subang, mod sorted, mod hard to hard, silic/cal sl mica to mica, tr carb, tr feltsp, no vis to vis poros,
			30%	Clyst/siltst, pred olive grey to brown grey, sl silty to silty, occ very silty mod hard, sl micromic, non calc
			tr	Lignite
			tr	Metal
S3053	3018.0		85%	Sandst, as above
			15%	Clyst/siltst
S2954	3057.0	0.3	80%	Clyst, olive grey to brown grey, firm, bulky, non calc, sl silty, micromic,car
			20%	Sandst, light grey, very fine to fine, well sort, subang, well calsite semente poor visible porosity, glau, micromic
S2800 CORE	3057.16	0.04	100%	Siltst, green grey
S2801 CORE	3058.0	0.14	100%	Siltst, light grey, laminated dark grey
S2802 Core	3059.25	0.18	100%	Siltst, grey, mica
S2803 CORE	3060.0	0.12	100%	Siltst, light grey, mica

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
S2804 CORE	3062.0	0.03	100%	Siltst, grey
S2805 CORE	3063.0	0.04	100%	Siltst, grey, sl mica
S2806 CORE	3064.0	0.04	100%	Siltst, as above
S2807 CORE	3065.0	0.04	100%	Siltst, as above
S2808 CORE	3066.0	0.03	100%	Siltst, as above
S2809 CORE	3067.25	0.06	100%	Siltst, as above
S2810 CORE	3070.0	0.05	100%	Siltst, light grey, mica
S2811 CORE	3071.0	0.05	100%	Siltst, as above
S2812 CORE	3072.0	0.04	100%	Siltst, as above
S2813 CORE	3073.0	0.04	100%	Siltst, as above
S2814 CORE	3074.0	0.03	100%	Siltst, green grey, mica
S2955	3117.0	0.3	80%	Siltst, med grey, blocky, firm, micromi tr carb specs, in part graiding to very fine sandst, arg, tr glau, tr fldsp, non calc
			20%	Clyst, dark grey, blocky, mod hard, silty, micromic, tr carb specs, non cal
			tr	Limest, white to light yel
S2956	3207.0	0.3	50%	Siltst/sandst, grey to green grey, very fine, mod sort, subang, sl arg matrix, silic, occ well calc cem, friable to mo hard, occ hard,mica, sl carb, no vis to poor vis porosity
			40%	Clyst, grey brown to med grey, blocky, mod hard, occ very silty, micromic sl carb, non calc

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
S2815 CORE	3237.46	0.06	100%	Clyst, silty, grey, mica
S2957	3267.0	0.3	70%	Siltst, med grey, firm to mod hard, friable, micromic, arg to very fine sandy, grading to clyst/sandst, tr carb glau, sl calc
			30%	Clyst, med dark grey, blocky, mod hard, silty, micromic, non calc
			tr	Limest
S2958	3357.0	0.2	100%	Clyst, med grey, blocky to sub fissile, mod hard, micromic, silty, non to sl calc,
			tr	Lignite (from mud?)
S3100 SWC	3362.5		100%	Sandst, grading silty, grey creamish grey, calc cmt, sl carb, sl micromica
S3101 SWC	3515.0		100%	Siltst, light grey to light olive grey, carb,very calc
S2959	3537.0	0.2	60%	Clyst, noncalc, firm, sl silty, micromi
			40%	Siltst, light grey, firm, calc, micromi
			tr	coal
S3102 SWC	3671.0		100%	Clyst, brown black, sl silty, mod calc
S3103 SWC	3842.0		100%	Clyst, olive to brown black, micromica, very calc
S2960	3657.0	0.2	50%	Clyst, olive grey to light grey, firm, no calc
			50%	Siltst, light grey, firm, calc
			tr	Coal, black to dark brown, brittle
S2884 SWC	3871.5	1.3	100%	Clyst, olive brown to black, micromica sl calc
S2885 SWC	3882.5	1.8	100%	Clyst, brown black to black
S2886 SWC	3891.5	2.2	100%	Clyst, as above
S2961	3897.0	2.2	100%	Clyst, grey black, occ light to med grey, sub-fissile, mod hard, very carb, micromic, sl silty,calc

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contemination.
S2887 SWC	3921.5	3.0	100%	Clyst, brown black to black
S2962	3927.0	3.1	100%	Clyst, grey black, occ light to med grey, sub-fissile, mod hard, very carb, micromic, sl silty,calc
			tr	Limest, light grey
				(Lignite from mud?)
S2888 SWC	3937.5	3.2	100%	Clyst, brown black to black
S2889 SWC	3951.0	1.9	100%	Clyst, as above
S2963	3957.0	2.6	100%	Clyst, grey black, occ light to med grey, sub-fissile, mod hard, very carb, micromic, sl silty,calc
S2890 SWC	3964.0	1.1	100%	Clyst, brown black to black
S2964	4047.0	0.8	75%	Clyst, dark grey, mod calc, mod hard, silty, carb, micromic
			15%	Siltst, light grey, firm, calc, occ arg
			10%	Limest,light to med grey, crystalline, very hard
			tr	Coal, black to dark brown, brittle
S2912 CORE	4140.0	0.04	100%	Limest, grey, coarse
S2913 CORE	4140.2	0.06	100%	Limest, as above
S2914 CORE	4145.0	0.09	100%	Limest, as above
S2915 CORE	4145.27	0.09	100%	Limest, as above
S2965	4407.0	0.4	100%	Limest, med to dark grey, in part light grey, blocky to platy, mod hard, in par arg, micro cryst, no visible porosity
S2966	4557.0	0.4	100%	Limest, offwhite to med grey, crystalline, mod hard, occ arg
			tr	Clayst, dark grey, carb
				(lignite from mud?)

TABLE 1.
WELL no.: 7226/11-1, LITHOLOGIC DESCRIPTION.

Sample no. Type	Depth mRKB	TOC %	LITHOLOLOGY.	Rock name, mod lith, colour, gr. size, sorting, roundness, matrix, cementation, hardness, accessories, fossils, porosity, contamination.
S2907 CORE	4593.0	0.26	100%	Clyst, grey,
S2908 CORE	4595.25	0.06	100%	Shaly mudst, grey, cmt
S2909 CORE	4598.1	0.04	100%	Limest, grey
S2910 CORE	4602.75	0.09	100%	Shaly mudst, grey, cmt
S2967	4797.0	0.5	75%	Clyst, dark grey, mod calc, mod hard, silty, carb, micromic
			10%	Siltst, light grey, firm, calc
			10%	Limest,light to med grey, crystalline, very hard
			5%	Coal, black to dark brown, brittle
S2968	4947.0	0.3	100%	Limest, in part dol, offwhite to grey, blocky to platy, mod hard, brittle, fine crystalline, no visible porosity
			tr	Coal (from mud?)
S2969	5037.0	0.2	100%	Limest, offwhite, to light brown, mod hard, crystalline, occ sl arg
			tr	Lignite (from mud?)
S2970	5187.0		30%	Limest, as above
			70%	Rock fragments, basement
			tr	Coal (from mud?)

TABLE 2. HEADSPACE GAS FOR WELL: 7226/11-1. (MICROLITER GAS PR. KG ROCK)

SAMPLE NR.	DEPTH	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2918	748.00	4732	484	690	291	251	295	6448	1716	26.6	1.16
S2919	808.00	13432	532	322	94	39	78	14419	986	6.8	2.39
S2920	928.00	22879	670	155	44	16	23	23762	884	3.7	2.78
S2921	1018.00	4500	220	83	15	9	12	4827	327	6.8	1.77
S2922	1048.00	8090	324	179	42	25	33	8659	570	6.6	1.63
S2923	1108.00	4252	230	332	42	66	66	4923	671	13.6	0.63
S2924	1138.00	3130	333	318	46	80	61	3907	777	19.9	0.57
S2925	1168.00	156227	10387	3734	346	553	275	171248	15021	8.8	0.63
S2926	1198.00	150844	14494	8340	1313	1117	427	176107	25263	14.3	1.18
S2927	1228.00	6399	1551	1378	402	176	135	9906	3507	35.4	2.29
S2928	1258.00	21917	3064	2444	539	421	193	28385	6468	22.8	1.28
S2929	1318.00	31395	1666	809	185	121	57	34176	2782	8.1	1.52
S2930	1378.00	8478	1024	694	128	100	47	10425	1946	18.7	1.28
S2931	1468.00	6489	789	399	80	74	99	7831	1342	17.1	1.08
S2932	1528.00	11246	846	387	69	63	56	12611	1365	10.8	1.10
S2933	1588.00	73679	2602	583	66	48	33	76978	3299	4.3	1.36
S2934	1677.00	2106	211	69	19	11	26	2417	311	12.9	1.79
S2935	1767.00	2212	262	153	22	19	22	2668	456	17.1	1.20
S2936	1887.00	3480	706	1248	291	428	516	6154	2674	43.4	0.68
S2937	1917.00	3409	485	878	224	295	299	5291	1882	35.6	0.76
S2938	1947.00	6187	991	1101	198	220	132	8696	2509	28.9	0.90
S2939	1977.00	6813	1432	1461	228	222	100	10155	3343	32.9	1.03

Cont. TABLE 2. HEADSPACE GAS FOR WELL: 7226/11-1. (MICROLITER GAS PR. KG ROCK)

SAMPLE NR.	DEPTH	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2940	2007.00	1891	424	564	120	119	69	3118	1227	39.3	1.00
S2941	2067.00	2895	630	572	97	76	83	4269	1374	32.2	1.28
S2942	2157.00	2388	709	1362	345	441	276	5246	2857	54.5	0.78
S2943	2187.00	64	47	152	41	62	84	366	303	82.6	0.66
S2944	2307.00	5806	621	411	71	93	96	7001	1195	17.1	0.77
S2945	2397.00	1444	341	499	149	203	330	2635	1192	45.2	0.73
S2946	2487.00	290	74	96	22	28	35	510	220	43.2	0.78
S2947	2547.00	93	33	61	19	28	47	234	141	60.1	0.66
S2948	2637.00	368	293	666	179	220	219	1727	1358	78.7	0.82
S2949	2727.00	391	351	778	246	340	529	2106	1715	81.4	0.72
S2950	2787.00	1100	500	1888	1182	1774	3472	6444	5345	82.9	0.67
S2951	2817.00	1042	649	2391	1463	2225	4231	7770	6728	86.6	0.66
S2952	2847.00	742	275	882	507	862	2269	3268	2526	77.3	0.59
S2953	2997.00	367	145	317	157	223	567	1210	843	69.7	0.70
S2954	3057.00	139	103	351	159	269	760	1021	882	86.3	0.59
S2955	3117.00	10	4	8	4	6	16	32	23	69.7	0.73
S2956	3207.00	181	221	705	298	440	773	1844	1663	90.2	0.68
S2957	3267.00	405	62	121	53	67	184	707	302	42.7	0.79
S2958	3357.00	336	43	83	34	39	132	535	199	37.2	0.88

Cont. TABLE 2. HEADSPACE GAS FOR WELL: 7226/11-1. (MICROLITER GAS PR. KG ROCK)

SAMPLE NR.	DEPTH	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2959	3537.00	6187	181	81	26	21	46	6497	310	4.8	1.25
S2960	3657.00	5320	245	120	45	23	48	5753	433	7.5	1.94
S2961	3897.00	5127	140	24	5	6	9	5302	175	3.3	0.86
S2962	3927.00	4441	54	9	1	1	3	4507	65	1.4	1.38
S2963	3957.00	2062	41	10	3	3	8	2118	56	2.7	1.16
S2964	4047.00	828	8	2	0	0	2	839	11	1.3	1.22
S2965	4407.00	22	1	1	1	1	3	26	4	16.5	1.05
S2966	4557.00	137	4	2	1	1	3	145	8	5.4	0.77
S2967	4797.00	289	6	2	1	1	11	299	10	3.3	0.44
S2968	4947.00	1	1	1	0	0	3	2	1	58.3	0.00
S2969	5037.00	17	0	0	0	0	2	17	0	1.9	0.00
S2970	5187.00	14	1	1	0	0	0	16	2	11.5	0.00

TABLE 3. OCCLUDED GAS FOR WELL: 7226/11-1. (MICROLITER GAS PR. KG ROCK)

SAMPLE NR.	DEPTH	C1	C2	C3	I-C4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2918	748.00	202	30	44	29	71	556	376	174	46.2	0.40
S2919	808.00	40	8	8	1	0	12	58	17	29.8	8.54
S2920	928.00	42	0	8	8	3	44	62	20	32.5	2.58
S2921	1018.00	3505	1067	2020	415	130	1303	7137	3632	50.9	3.20
S2922	1048.00	153	45	78	30	45	79	350	197	56.3	0.67
S2923	1108.00	152	29	54	25	50	120	310	158	50.9	0.50
S2924	1138.00	82	20	59	17	65	131	243	161	66.3	0.26
S2925	1168.00	6479	10252	10531	1469	3076	1907	31807	25328	79.6	0.48
S2926	1198.00	8013	13377	20938	5265	5267	2849	52860	44847	84.8	1.00
S2927	1228.00	177	227	465	160	171	192	1199	1022	85.2	0.94
S2928	1258.00	421	671	717	113	209	136	2130	1709	80.2	0.54
S2929	1318.00	578	583	962	337	437	340	2897	2319	80.0	0.77
S2930	1378.00	265	73	216	70	129	181	753	488	64.8	0.55
S2931	1468.00	67	42	123	39	77	152	348	281	80.6	0.51
S2932	1528.00	76	63	132	38	82	168	391	315	80.6	0.46
S2933	1588.00	1046	824	515	92	121	120	2599	1552	59.7	0.75
S2934	1677.00	272	44	92	43	63	127	514	241	47.0	0.69
S2935	1767.00	98	47	84	31	49	98	310	212	68.3	0.63
S2936	1887.00	134	58	404	263	576	2518	1435	1302	90.7	0.46
S2937	1917.00	166	43	253	147	317	875	926	760	82.0	0.46
S2938	1947.00	297	156	619	195	433	641	1700	1403	82.5	0.45
S2939	1977.00	76	203	62	79	152	31	572	496	86.7	0.52

Cont. TABLE 3. OCCLUDED GAS FOR WELL: 7226/11-1. (MICROLITER GAS PR. KG ROCK)

SAMPLE NR.	DEPTH	C1	C2	C3	I-C4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2940	2007.00	1	59	281	118	223	413	682	681	99.8	0.53
S2941	2067.00	105	48	191	68	158	237	570	465	81.5	0.43
S2942	2157.00	162	42	263	109	310	576	886	724	81.7	0.35
S2943	2187.00	246	61	323	140	428	869	1198	953	79.5	0.33
S2944	2307.00	478	178	456	153	360	813	1625	1147	70.6	0.42
S2945	2397.00	121	17	55	29	62	270	284	163	57.3	0.46
S2946	2487.00	113	95	466	176	408	768	1257	1145	91.0	0.43
S2947	2547.00	155	59	271	201	405	1893	1091	936	85.8	0.50
S2948	2637.00	115	19	155	122	290	1399	702	587	83.6	0.42
S2949	2727.00	172	35	202	160	375	2355	944	772	81.8	0.43
S2950	2787.00	435	90	231	393	881	11694	2031	1596	78.6	0.45
S2951	2817.00	591	92	196	333	759	9890	1971	1380	70.0	0.44
S2952	2847.00	400	62	98	118	315	6262	993	593	59.7	0.37
S2953	2997.00	222	27	53	58	140	2252	499	277	55.5	0.41
S2954	3057.00	313	31	23	5	12	241	384	71	18.5	0.43
S2955	3117.00	172	17	23	22	53	1234	287	115	40.2	0.41
S2956	3207.00	188	28	139	146	360	3815	862	674	78.1	0.41
S2957	3267.00	206	15	12	7	16	618	256	50	19.5	0.42
S2958	3357.00	285	22	9	5	11	431	332	47	14.2	0.46

Cont. TABLE 3. OCCLUDED GAS FOR WELL: 7226/11-1. (MICROLITER GAS PR. KG ROCK)

SAMPLE NR.	DEPTH	C1	C2	C3	I-C4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2959	3537.00	1050	41	12	4	3	24	1110	60	5.4	1.25
S2960	3657.00	2582	143	93	38	42	188	2899	316	10.9	0.90
S2961	3897.00	2298	287	83	11	9	14	2688	390	14.5	1.25
S2962	3927.00	2295	266	65	10	8	44	2645	350	13.2	1.30
S2963	3957.00	1767	145	52	9	7	15	1979	212	10.7	1.36
S2964	4047.00	2390	42	14	2	0	12	2448	58	2.4	
S2965	4407.00	1718	8	10	0	1	12	1738	20	1.1	0.10
S2966	4557.00	318	27	17	2	10	25	374	56	14.9	0.15
S2967	4797.00	1117	6	0	2	0	16	1125	8	0.7	
S2968	4947.00	177	16	18	1	7	22	219	42	19.3	0.21
S2969	5037.00	159	14	6	2	5	15	185	26	14.1	0.30
S2970	5187.00	842	10	11	6	0	16	869	27	3.1	

TABLE 4. SUM HEADSPACE AND OCCLUDED GAS FROM WELL 7226/11-1 (TABLE 2 AND 3).
(MICROLITER GAS PR. KG ROCK.)

SAMPLE NR.	DEPTH	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2918	748.00	4935	515	734	319	322	851	6824	1890	27.7	0.99
S2919	808.00	13473	540	329	95	39	90	14477	1004	6.9	2.42
S2920	928.00	22920	670	163	52	19	67	23824	904	3.8	2.75
S2921	1018.00	8005	1287	2103	430	138	1315	11964	3959	33.1	3.11
S2922	1048.00	8243	368	257	71	70	112	9009	767	8.5	1.02
S2923	1108.00	4405	259	386	67	117	186	5233	829	15.8	0.57
S2924	1138.00	3212	353	377	63	145	192	4150	938	22.6	0.43
S2925	1168.00	162707	20639	14266	1815	3629	2182	203055	40349	19.9	0.50
S2926	1198.00	158858	27871	29278	6578	6383	3276	228967	70110	30.6	1.03
S2927	1228.00	6576	1778	1843	562	346	327	11105	4529	40.8	1.62
S2928	1258.00	22338	3734	3161	652	630	329	30515	8177	26.8	1.03
S2929	1318.00	31973	2249	1771	522	558	397	37073	5100	13.8	0.93
S2930	1378.00	8743	1097	911	198	229	228	11178	2434	21.8	0.87
S2931	1468.00	6556	831	522	119	151	251	8179	1623	19.8	0.79
S2932	1528.00	11322	909	519	107	145	225	13003	1680	12.9	0.74
S2933	1588.00	74726	3426	1098	157	170	153	79577	4851	6.1	0.93
S2934	1677.00	2378	255	161	63	73	154	2931	552	18.8	0.85
S2935	1767.00	2310	309	237	53	68	120	2978	667	22.4	0.79
S2936	1887.00	3614	764	1652	555	1004	3034	7589	3976	52.4	0.55
S2937	1917.00	3575	527	1131	371	612	1174	6217	2642	42.5	0.61
S2938	1947.00	6484	1147	1720	392	653	773	10395	3912	37.6	0.60
S2939	1977.00	6889	1635	1523	307	374	131	10727	3839	35.8	0.82

Cont. TABLE 4. SUM HEADSPACE AND OCCLUDED GAS FROM WELL 7226/11-1 (TABLE 2 AND 3).
(MICROLITER GAS PR. KG ROCK.)

SAMPLE NR.	DEPTH	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2940	2007.00	1893	484	845	238	342	482	3801	1908	50.2	0.70
S2941	2067.00	3000	677	763	165	234	319	4839	1839	38.0	0.70
S2942	2157.00	2550	751	1626	454	751	852	6131	3581	58.4	0.60
S2943	2187.00	310	108	475	181	491	953	1565	1255	80.2	0.37
S2944	2307.00	6283	799	866	224	453	909	8626	2343	27.2	0.49
S2945	2397.00	1565	358	553	177	265	600	2919	1354	46.4	0.67
S2946	2487.00	402	168	562	198	437	803	1767	1365	77.2	0.45
S2947	2547.00	248	91	332	219	434	1940	1325	1076	81.2	0.51
S2948	2637.00	484	312	822	301	510	1618	2429	1945	80.1	0.59
S2949	2727.00	563	386	979	406	715	2885	3049	2487	81.5	0.57
S2950	2787.00	1535	591	2120	1575	2655	15166	8476	6941	81.9	0.59
S2951	2817.00	1633	742	2587	1796	2984	14120	9741	8108	83.2	0.60
S2952	2847.00	1142	337	980	625	1177	8531	4261	3119	73.2	0.53
S2953	2997.00	589	172	370	215	363	2820	1709	1120	65.5	0.59
S2954	3057.00	452	134	373	165	281	1000	1405	953	67.8	0.59
S2955	3117.00	181	21	32	26	59	1249	319	138	43.2	0.44
S2956	3207.00	369	249	844	444	801	4588	2707	2337	86.4	0.55
S2957	3267.00	612	77	132	59	83	802	963	352	36.5	0.72
S2958	3357.00	621	65	92	39	50	563	868	246	28.4	0.79

Cont. TABLE 4. SUM HEADSPACE AND OCCLUDED GAS FROM WELL 7226/11-1 (TABLE 2 AND 3).
(MICROLITER GAS PR. KG ROCK.)

SAMPLE NR.	DEPTH	C1	C2	C3	IC4	NC4	C5+	SUM C1-C4	SUM C2-C4	WETNESS (%)	IC4/NC4
S2959	3537.00	7238	222	94	30	24	70	7607	370	4.9	1.25
S2960	3657.00	7903	388	213	83	65	236	8652	749	8.7	1.27
S2961	3897.00	7425	427	107	16	15	23	7991	565	7.1	1.09
S2962	3927.00	6736	320	74	12	9	47	7151	415	5.8	1.30
S2963	3957.00	3829	185	62	12	9	23	4097	268	6.5	1.30
S2964	4047.00	3218	50	16	3	0	14	3287	69	2.1	
S2965	4407.00	1740	9	11	1	2	15	1764	24	1.4	0.45
S2966	4557.00	455	31	19	2	11	27	519	64	12.3	0.20
S2967	4797.00	1406	12	2	2	1	26	1424	18	1.2	1.70
S2968	4947.00	178	17	18	1	7	25	222	44	19.7	0.21
S2969	5037.00	175	14	6	2	5	17	202	26	13.1	0.30
S2970	5187.00	856	11	12	6	0	17	885	29	3.3	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
700.00		0.1	1.3	0.7	173	1.4	0.10	599
724.00		0.1	0.5	1.9	29	0.7	0.17	432
730.00		0.0	0.8	1.1	76	1.0	0.09	433
736.00		0.1	0.7	1.3	59	1.0	0.19	434
742.00		0.1	0.1	1.1	14	0.3	0.47	444
748.00	S2918	0.0	0.3	0.9	40	0.4	0.10	
748.00		0.1	0.5	1.2	44	0.6	0.17	452
754.00		0.1	0.4	0.9	48	0.6	0.18	440
760.00		0.2	0.8	1.1	74	1.1	0.23	457
766.00		0.5	1.0	1.0	95	1.6	0.36	428
772.00		0.1	0.5	1.0	57	0.7	0.20	424
778.00		0.0	0.5	0.9	53	0.6	0.12	431
790.00		0.0	0.5	0.7	74	0.6	0.10	500
796.00		0.0	0.5	0.7	72	0.6	0.10	505
802.00		0.0	0.6	0.7	95	0.8	0.08	471
808.00	S2919	0.0	0.2	0.9	32	0.3	0.06	
808.00		0.0	0.3	0.6	43	0.3	0.09	431
814.00		0.0	0.5	0.8	68	0.6	0.08	434
820.00		0.0	0.4	0.7	53	0.5	0.16	440
826.00		0.0	0.3	0.6	59	0.4	0.12	447
832.00		0.0	0.5	0.8	59	0.6	0.11	432
838.00		0.1	0.4	0.9	44	0.6	0.29	
844.00		0.0	0.4	0.8	51	0.4	0.05	435
850.00		0.1	0.8	0.7	116	1.0	0.11	463
856.00		0.1	1.0	0.9	111	1.1	0.09	442
862.00		0.0	0.3	0.6	58	0.4	0.12	436
868.00		0.0	0.3	0.8	46	0.4	0.14	441
874.00		0.0	0.2	0.7	37	0.3	0.07	440
880.00		0.0	0.2	0.7	35	0.3	0.07	434
886.00		0.1	0.6	0.7	84	0.8	0.23	480
892.00		0.0	0.3	0.7	50	0.4	0.14	379
898.00		0.0	0.2	0.6	37	0.3	0.04	439
904.00		0.0	0.2	0.6	42	0.3	0.15	405
910.00		0.0	0.5	0.7	67	0.5	0.07	453
916.00		0.0	0.4	0.7	56	0.4	0.09	434

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
922.00		0.0	0.4	0.7	62	0.5	0.17	436
928.00	S2920	0.0	0.3	0.8	40	0.4	0.08	
928.00		0.0	0.2	0.6	38	0.3	0.04	399
934.00		0.0	0.2	0.6	31	0.2	0.05	442
940.00		0.0	0.2	0.6	40	0.3	0.14	436
946.00		0.1	0.5	0.7	75	0.7	0.18	512
950.00		0.0	0.7	0.7	101	0.8	0.06	438
952.00		0.0	0.4	0.6	68	0.6	0.16	451
958.00		0.1	0.7	0.7	99	0.8	0.15	446
964.00		0.1	0.5	0.6	78	0.6	0.16	494
970.00		0.1	0.4	0.6	65	0.6	0.27	362
976.00		0.0	0.4	0.6	64	0.5	0.14	471
982.00		0.1	0.6	0.7	88	0.7	0.15	444
988.00		0.1	0.2	0.7	36	0.4	0.30	431
994.00		0.0	0.3	0.7	43	0.4	0.14	386
1000.00		0.0	0.3	0.7	44	0.4	0.11	391
1003.00		0.0	0.4	0.6	64	0.5	0.15	443
1006.00		0.0	0.4	0.6	70	0.6	0.13	447
1009.00		0.0	0.4	0.6	60	0.5	0.15	441
1012.00		0.0	0.4	0.7	56	0.5	0.17	441
1015.00		0.1	0.4	0.6	64	0.5	0.21	445
1018.00	S2921	0.0	0.2	0.8	34	0.3	0.09	
1018.00		0.0	0.3	0.8	41	0.4	0.16	452
1021.00		0.0	0.1	0.6	20	0.2	0.18	397
1024.00		0.0	0.2	0.6	33	0.3	0.19	379
1027.00		0.0	0.1	0.6	26	0.2	0.24	352
1030.00		0.0	0.4	0.6	77	0.5	0.08	478
1033.00		0.1	0.3	0.6	52	0.5	0.30	372
1036.00		0.0	0.1	0.7	23	0.2	0.19	449
1039.00		0.1	0.3	0.6	46	0.4	0.26	384
1042.00		0.0	0.3	0.6	45	0.4	0.17	472
1045.00		0.0	0.3	0.6	49	0.4	0.13	436
1048.00	S2922	0.0	0.2	0.8	33	0.3	0.06	
1048.00		0.0	0.2	0.6	30	0.2	0.17	431
1051.00		0.0	0.1	0.7	17	0.2	0.29	353
1054.00		0.0	0.0	0.6	9	0.1	0.14	288

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1057.00		0.0	0.3	0.7	46	0.4	0.20	458
1060.00		0.1	0.3	0.7	43	0.5	0.35	400
1063.00		0.1	0.2	0.6	41	0.4	0.30	393
1066.00		0.0	0.1	0.6	17	0.1	0.00	326
1069.00		0.0	0.2	0.6	30	0.2	0.05	403
1072.00		0.0	0.1	0.5	25	0.2	0.06	432
1075.00		0.1	0.8	0.8	104	0.9	0.11	434
1078.00		0.0	0.2	0.6	38	0.2	0.04	437
1081.00		0.1	0.2	0.6	42	0.4	0.36	467
1084.00		0.0	0.3	0.6	61	0.4	0.12	435
1087.00		0.0	0.3	0.6	55	0.4	0.06	442
1090.00		0.0	0.3	0.5	69	0.4	0.08	419
1093.00		0.0	0.4	0.6	68	0.4	0.05	480
1096.00		0.0	0.3	0.4	66	0.4	0.23	424
1099.00		0.0	0.2	0.4	50	0.3	0.12	458
1102.00		0.0	0.3	0.4	85	0.4	0.07	466
1105.00		0.0	0.3	0.4	81	0.4	0.03	469
1108.00	S2923	0.0	0.1	0.4	21	0.1	0.17	
1108.00		0.0	0.3	0.4	88	0.4	0.08	522
1110.00		0.0	0.4	0.3	115	0.5	0.00	489
1111.00		0.0	0.3	0.3	103	0.4	0.14	465
1114.00		0.0	0.1	0.3	50	0.2	0.06	349
1117.00		0.0	0.3	0.3	109	0.4	0.03	415
1120.00		0.0	0.2	0.3	78	0.3	0.00	385
1123.00		0.0	0.3	0.3	92	0.4	0.03	489
1126.00		0.0	0.0	0.3	19	0.1	0.13	
1129.00		0.0	0.1	0.4	29	0.2	0.13	401
1132.00		0.0	0.1	0.3	40	0.1	0.14	382
1135.00		0.0	0.1	0.8	13	0.2	0.25	427
1138.00	S2924	0.0	0.1	0.4	26	0.1	0.14	
1138.00		0.0	0.6	0.3	168	0.7	0.10	452
1141.00		0.0	0.2	0.7	35	0.3	0.07	436
1144.00		0.0	0.2	1.1	21	0.3	0.11	504
1146.50		2.1	27.7	5.8	475	29.9	0.07	428

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1147.00		0.6	8.0	3.0	260	8.7	0.08	424
1150.00	S3045	0.8	29.6	7.2	409	30.5	0.03	424
1150.00		2.5	29.5	6.8	434	32.1	0.08	420
1153.00		2.1	20.9	5.3	396	23.2	0.09	422
1156.00		1.2	14.4	4.3	335	15.7	0.08	422
1159.00	S3046	0.5	20.8	5.6	370	21.5	0.03	422
1159.00		1.0	13.1	3.8	343	14.1	0.07	423
1162.00		0.9	10.1	3.0	328	11.0	0.08	415
1165.00		3.2	33.0	7.9	415	36.3	0.09	420
1167.05	S2751	2.0	34.1	9.9	344	36.3	0.06	427
1167.50	S2752	2.8	38.7	11.8	326	41.6	0.07	425
1168.00	S2753	1.2	20.7	7.3	285	22.1	0.06	427
1168.00	S2925	2.7	47.4	10.1	466	50.2	0.05	421
1168.00		3.0	32.2	8.0	403	35.4	0.09	418
1171.00		0.9	12.8	4.2	305	13.8	0.07	424
1174.00		1.7	22.4	6.2	358	24.2	0.07	422
1176.00	S2774	1.7	27.1	9.0	301	28.9	0.06	427
1176.00		4.1	31.5	9.3	337	35.6	0.12	427
1177.00		1.9	25.0	6.8	366	27.0	0.07	422
1180.00	S3047	0.8	25.6	7.6	334	26.5	0.03	422
1180.00		2.4	29.0	7.7	376	31.5	0.08	421
1183.00		3.3	34.1	9.3	366	37.6	0.09	419
1186.00		4.3	43.8	10.9	399	48.2	0.09	415
1189.00		5.3	47.1	11.9	395	52.5	0.10	417
1192.00		4.8	47.1	11.1	422	51.9	0.09	419
1195.00		4.7	46.4	11.0	422	51.2	0.09	418
1197.00		0.2	1.1	0.7	143	1.3	0.16	552
1198.00	S2926	2.1	41.8	9.7	429	44.0	0.05	418
1198.00		3.0	33.9	8.5	396	37.0	0.08	420
1201.00		1.1	11.8	3.3	356	13.0	0.09	419
1214.00	S2769	2.3	23.2	4.7	492	25.5	0.09	437
1214.10	S2770	2.2	29.2	5.6	513	31.4	0.07	438
1228.00	S2927	0.1	2.4	2.0	119	2.6	0.07	431
1231.00	S2760	22.4	254.3	69.1	368	276.7	0.08	419

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1234.00		43.3	214.8	45.6	470	258.3	0.17	411
1235.50	S2761	0.0	0.1	0.3	29	0.2	0.35	
1236.10		0.4	3.6	1.2	308	4.1	0.10	459
1236.50	S2762	0.0	0.1	0.4	40	0.2	0.25	
1238.50	S2763	4.8	48.2	25.3	190	53.0	0.09	438
1239.80		0.1	2.0	0.5	387	2.3	0.07	462
1240.25	S2764	0.0	0.2	0.9	27	0.4	0.26	
1244.70	S2767	0.3	8.4	3.6	233	8.8	0.04	437
1246.70	S2768	0.0	0.2	0.5	56	0.3	0.18	433
1247.20		0.2	2.5	0.5	483	2.8	0.09	467
1249.00		0.3	2.3	1.5	159	2.7	0.12	427
1255.00		0.2	1.2	0.7	155	1.4	0.16	429
1258.00	S2928	0.0	0.6	1.3	51	0.7	0.08	428
1258.00		0.2	1.8	0.8	203	2.0	0.11	438
1261.00		0.1	0.9	0.5	178	1.1	0.16	505
1264.00		0.3	1.1	0.8	140	1.5	0.22	442
1267.00		0.1	1.5	0.8	184	1.8	0.10	455
1270.00		0.5	5.6	3.7	152	6.2	0.09	426
1273.00		0.3	3.1	2.2	144	3.6	0.10	432
1276.00		0.2	1.9	1.2	151	2.2	0.11	437
1279.00		0.2	1.9	1.0	197	2.2	0.09	428
1282.00		0.1	1.2	0.6	174	1.4	0.11	457
1285.00		0.1	1.0	0.8	125	1.3	0.14	433
1288.00		0.2	1.7	0.9	180	2.0	0.10	445
1291.00		0.0	0.8	0.7	114	0.9	0.09	433
1294.00		0.1	1.2	0.9	129	1.4	0.13	425
1297.00		0.1	0.9	0.7	129	1.2	0.15	434
1300.00		0.0	0.5	0.1	450	0.6	0.13	
1303.00		0.0	0.5	0.0	950	0.6	0.11	
1306.00		0.1	1.2	0.1	724	1.3	0.08	467
1309.00		0.1	0.9	0.2	448	1.1	0.13	507
1312.00		0.2	1.9	0.9	207	2.1	0.10	435
1315.00		0.2	2.0	0.9	224	2.3	0.10	433
1318.00	S2929	0.1	3.2	2.4	132	3.4	0.04	430

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1318.00		0.3	4.4	1.9	235	4.8	0.07	429
1320.00	S2775	0.1	1.1	1.3	88	1.3	0.11	438
1320.00		0.3	2.3	1.3	174	2.7	0.14	440
1321.00		0.6	9.4	2.9	319	10.1	0.06	433
1324.00		0.3	2.6	1.3	188	2.9	0.10	435
1327.00		0.2	2.5	1.2	213	2.8	0.09	441
1330.00		0.2	2.0	0.9	220	2.3	0.09	433
1333.00		0.2	1.6	0.9	164	1.8	0.11	438
1336.00		0.1	1.3	0.8	160	1.6	0.11	436
1339.00		0.2	1.2	0.8	139	1.4	0.15	437
1342.00		0.1	1.4	0.8	165	1.6	0.12	442
1345.00		0.1	0.8	0.9	96	1.0	0.11	434
1348.00		0.1	1.3	0.8	159	1.5	0.09	448
1351.00		0.0	0.4	0.6	65	0.5	0.02	437
1354.00		0.1	1.8	0.7	235	2.0	0.08	437
1357.00		0.1	0.8	0.7	110	1.0	0.10	435
1360.00		0.1	0.9	0.5	174	1.1	0.10	442
1363.00		0.1	0.8	0.4	174	0.9	0.11	485
1365.00		0.1	1.0	0.7	140	1.2	0.10	437
1368.00		0.1	0.7	0.5	144	0.9	0.15	436
1371.00		0.1	1.3	0.6	208	1.5	0.10	438
1374.00		0.1	1.3	0.4	271	1.5	0.10	439
1377.00		0.1	1.4	0.5	276	1.6	0.09	438
1378.00	S2930	0.0	1.0	1.2	81	1.1	0.04	433
1380.00		0.1	0.7	0.2	282	0.9	0.12	469
1383.00		0.1	0.4	0.3	126	0.7	0.28	448
1386.00		0.1	1.3	0.3	365	1.5	0.08	440
1389.00		0.1	0.9	0.5	180	1.0	0.11	440
1392.00		0.1	0.5	0.5	100	0.6	0.16	489
1395.00		0.1	0.7	0.6	112	0.8	0.12	444
1398.00		0.1	0.7	0.3	194	0.8	0.13	507
1402.00		0.0	0.5	0.5	97	0.7	0.12	460
1408.00		0.0	0.2	0.4	50	0.2	0.09	454
1414.00		0.0	0.5	0.5	104	0.7	0.14	444
1414.50		0.1	1.3	0.5	232	1.4	0.08	489
1417.00		0.1	1.0	0.5	179	1.2	0.13	463

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1420.00		0.1	0.7	0.6	120	0.8	0.14	463
1423.00		0.0	0.4	0.5	88	0.5	0.15	433
1426.00		0.1	0.2	0.5	52	0.4	0.30	410
1429.00		0.1	0.4	0.5	78	0.6	0.29	447
1432.00		0.1	0.3	0.3	118	0.5	0.24	469
1435.00		0.1	0.6	0.2	264	0.8	0.15	485
1438.00		0.0	0.1	0.2	76	0.2	0.17	373
1441.00		0.0	0.5	0.3	131	0.6	0.14	515
1444.00		0.0	0.2	0.3	66	0.3	0.17	478
1447.00		0.0	0.5	0.5	100	0.6	0.11	435
1450.00		0.0	0.7	0.4	169	0.8	0.08	442
1453.00		0.0	0.3	0.3	115	0.5	0.19	445
1456.00		0.0	0.4	0.4	110	0.5	0.17	434
1459.00		0.1	0.9	1.1	89	1.1	0.11	437
1462.00		0.2	1.4	1.3	107	1.7	0.14	434
1465.00		0.2	1.1	1.0	115	1.5	0.19	433
1468.00	S2931	0.0	0.3	0.8	41	0.4	0.05	
1468.00		0.1	0.4	0.6	65	0.6	0.31	433
1471.00		0.1	0.4	0.6	75	0.6	0.20	438
1474.00		0.0	0.3	0.4	83	0.4	0.17	462
1477.00		0.0	0.2	0.5	54	0.3	0.21	473
1480.00		1.5	0.3	0.6	55	1.9	0.81	458
1483.00		0.0	0.2	0.4	46	0.3	0.21	438
1486.00		0.1	0.3	0.5	65	0.4	0.25	433
1489.00		0.1	0.6	0.6	100	0.8	0.16	447
1492.00		0.0	0.2	0.5	46	0.3	0.22	439
1495.00		0.0	0.3	0.5	61	0.4	0.16	442
1498.00		0.0	0.4	0.5	86	0.6	0.13	506
1501.00		0.0	0.2	0.4	64	0.3	0.15	450
1507.00		0.0	0.4	0.6	75	0.5	0.10	467
1510.00		0.0	0.3	0.6	53	0.4	0.18	432
1513.00		0.0	0.3	0.5	61	0.3	0.09	444
1516.00		0.0	0.4	0.5	90	0.5	0.08	460
1522.00		0.8	49.6	15.0	330	50.4	0.02	431
1525.00		0.1	0.6	1.0	62	0.8	0.15	440
1528.00	S2932	0.0	0.2	0.7	32	0.3	0.08	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1528.00		0.0	0.4	0.7	58	0.6	0.16	448
1531.00		0.0	0.2	0.5	54	0.3	0.13	456
1534.00		0.0	0.5	0.9	62	0.6	0.11	446
1537.00		0.0	0.3	0.6	55	0.4	0.11	438
1540.00		0.0	0.3	0.5	67	0.4	0.17	454
1542.00		1.3	28.6	6.8	417	30.0	0.04	442
1543.00		0.0	0.2	0.4	57	0.3	0.14	445
1546.00		0.1	0.4	0.4	90	0.5	0.20	438
1549.00		0.1	0.6	0.3	174	0.8	0.14	436
1552.00		0.0	0.7	0.5	119	0.7	0.03	441
1555.00		0.0	0.5	0.6	85	0.6	0.08	439
1558.00		0.0	0.5	0.6	86	0.6	0.13	445
1561.00		0.0	0.4	0.5	88	0.5	0.15	461
1564.00		0.0	0.2	0.5	40	0.2	0.13	480
1567.00		0.0	0.6	0.8	69	0.7	0.09	449
1570.00		1.5	0.8	0.8	93	2.4	0.66	440
1573.00		0.0	0.3	0.8	41	0.5	0.20	431
1576.00		0.0	0.2	1.0	21	0.3	0.19	395
1579.00		0.0	0.4	0.7	62	0.5	0.12	439
1582.00		0.5	17.8	7.1	251	18.4	0.03	431
1585.00		0.1	1.0	1.3	77	1.2	0.12	438
1588.00	S2933	0.0	0.6	1.1	57	0.7	0.05	437
1588.00	S2933A	11.0	238.9	70.3	340	250.0	0.04	434
1588.00		0.1	0.9	1.1	78	1.0	0.10	438
1591.00		0.0	1.6	1.2	136	1.7	0.05	441
1594.00		0.0	0.8	0.9	82	0.9	0.10	442
1597.00		0.1	0.5	0.8	67	0.7	0.17	437
1600.00		0.0	0.6	0.9	66	0.7	0.12	438
1603.00		0.0	0.3	0.6	46	0.4	0.14	466
1606.00		0.1	1.8	0.9	188	2.0	0.08	442
1609.00		0.1	0.7	0.9	82	0.9	0.16	440
1612.00		0.0	0.5	0.5	105	0.6	0.08	453
1615.00		0.0	0.6	0.7	82	0.7	0.06	442
1618.00		0.0	0.5	0.9	66	0.7	0.12	439
1621.00		1.2	26.8	9.6	278	28.1	0.04	427
1624.00		1.0	24.8	9.1	271	26.0	0.04	428

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1627.00		0.1	0.6	0.8	74	0.7	0.14	437
1630.00		0.0	0.9	1.0	86	1.0	0.09	440
1633.00		0.0	0.9	0.9	100	1.0	0.09	434
1636.00		0.1	1.7	1.4	118	1.8	0.06	438
1639.00		0.1	1.7	1.3	131	1.8	0.07	439
1642.00		0.0	0.7	0.7	96	0.8	0.07	438
1645.00		0.0	1.0	0.8	119	1.1	0.06	439
1648.00		0.0	0.5	0.8	60	0.6	0.11	440
1651.00		0.0	0.3	1.2	29	0.4	0.08	439
1654.00		0.0	0.1	0.1	88	0.1	0.00	
1657.00		0.0	0.1	0.1	71	0.1	0.08	
1660.00		0.0	0.4	0.4	91	0.4	0.05	440
1663.00		0.0	0.5	0.4	106	0.5	0.06	
1666.00		0.0	0.4	0.3	135	0.4	0.02	440
1669.00		0.0	0.2	0.0	386	0.3	0.16	487
1672.00		0.0	0.2	0.2	108	0.3	0.00	
1675.00		0.0	0.5	0.5	114	0.7	0.12	474
1677.00	S2934	0.0	0.4	0.9	45	0.4	0.05	427
1677.00		0.0	0.4	0.4	104	0.6	0.13	436
1680.00		0.0	0.3	0.5	71	0.5	0.20	437
1683.00		0.1	0.5	0.8	59	0.6	0.19	435
1686.00		0.0	0.6	1.1	54	0.7	0.13	437
1688.50		0.0	0.7	0.2	304	0.8	0.03	511
1689.00		0.1	0.5	0.8	61	0.6	0.16	439
1692.00		0.1	1.0	1.0	97	1.2	0.10	437
1695.00		0.0	1.1	1.0	106	1.2	0.06	438
1698.00		0.0	0.8	0.9	92	0.9	0.06	438
1701.00		0.0	0.3	1.0	33	0.4	0.08	438
1704.00		0.0	0.4	1.0	39	0.4	0.02	438
1707.00		0.0	0.3	0.8	46	0.4	0.05	438
1710.00		0.0	0.4	0.9	49	0.5	0.04	438
1713.00		0.0	1.2	1.5	80	1.3	0.05	438
1716.00		0.0	0.5	1.0	53	0.6	0.08	434
1719.00		0.0	0.4	1.0	45	0.5	0.09	438
1722.00		0.0	0.4	1.1	35	0.4	0.09	438
1725.00		0.0	0.5	1.0	50	0.6	0.04	440

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1728.00		0.0	0.4	1.1	40	0.5	0.08	435
1731.00		0.0	0.3	0.9	37	0.4	0.13	434
1734.00		0.0	0.5	0.9	53	0.6	0.09	437
1737.00		0.0	0.2	1.0	20	0.2	0.08	433
1740.00		0.0	0.3	0.9	40	0.4	0.12	434
1743.00		0.0	0.3	0.9	41	0.4	0.10	436
1746.00		0.0	0.4	0.9	45	0.5	0.07	436
1749.00		0.0	0.5	0.8	60	0.6	0.07	436
1752.00		0.0	0.6	0.9	73	0.7	0.08	439
1755.00		0.0	0.5	0.7	76	0.6	0.07	438
1758.00		0.0	0.6	0.6	100	0.8	0.12	439
1761.00		0.0	0.3	0.6	47	0.3	0.06	436
1764.00		0.0	0.3	0.7	40	0.3	0.06	435
1767.00	S2935	0.0	0.6	1.0	57	0.7	0.06	432
1767.00		0.0	0.3	0.9	32	0.3	0.06	435
1770.00		0.0	0.6	0.9	72	0.7	0.12	435
1773.00		0.0	0.4	0.8	56	0.5	0.13	437
1776.00		0.0	0.3	0.7	48	0.4	0.12	436
1779.00		0.0	1.0	1.0	101	1.1	0.02	446
1782.00		0.0	0.2	0.8	28	0.2	0.00	433
1788.00		0.0	0.3	0.7	42	0.4	0.08	433
1791.00		0.0	0.3	0.6	50	0.4	0.08	432
1793.00		0.0	1.2	0.7	163	1.3	0.05	444
1794.00		0.0	0.2	0.7	37	0.3	0.07	437
1797.00		0.0	0.2	0.7	36	0.3	0.00	435
1800.00		0.0	0.3	0.8	49	0.4	0.05	436
1803.00		0.0	0.6	0.9	72	0.8	0.09	433
1806.00		0.0	0.3	0.8	44	0.4	0.05	434
1809.00		0.0	0.3	0.7	47	0.4	0.06	435
1812.00		0.0	0.6	1.0	61	0.7	0.09	435
1815.00		0.0	0.5	0.8	64	0.5	0.04	436
1818.00		0.0	0.5	0.7	70	0.5	0.04	438
1821.00		0.0	0.3	0.7	51	0.4	0.05	435
1824.00		0.0	0.2	0.6	36	0.3	0.11	433
1827.00		0.0	0.4	0.7	63	0.5	0.04	438
1830.00		0.0	0.3	0.7	49	0.4	0.05	433

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1833.00		0.0	0.4	0.8	46	0.4	0.07	434
1836.00		0.0	0.4	0.7	59	0.5	0.09	438
1839.00		0.0	0.4	0.6	62	0.5	0.09	437
1842.00		0.0	0.4	0.7	66	0.5	0.06	438
1845.00		0.1	0.4	0.7	56	0.5	0.21	437
1848.00		0.0	0.4	0.7	64	0.5	0.12	441
1851.00		0.0	0.5	0.7	68	0.6	0.11	441
1854.00	S2776	0.1	0.9	1.0	92	1.1	0.11	445
1854.00		0.1	1.3	0.8	167	1.5	0.10	445
1857.00		0.0	0.7	0.7	97	0.9	0.11	444
1860.00		0.0	0.6	0.9	69	0.7	0.11	438
1863.00		0.1	0.8	0.8	102	1.0	0.11	440
1866.00		0.0	0.8	0.9	90	0.9	0.10	440
1869.00		0.1	0.9	0.9	97	1.1	0.13	439
1872.00		0.3	1.7	1.3	137	2.1	0.16	440
1875.00		0.2	1.3	1.0	124	1.5	0.14	437
1878.00		0.3	1.5	1.1	130	1.8	0.17	438
1881.00		0.6	4.2	1.9	218	4.9	0.14	441
1884.00		0.3	1.8	1.3	138	2.2	0.18	438
1887.00	S2936	0.1	1.6	1.3	125	1.8	0.09	441
1887.00		0.2	0.9	1.0	93	1.2	0.18	437
1890.00		0.2	0.7	0.8	90	1.0	0.24	440
1893.00		0.2	0.8	0.9	88	1.0	0.21	437
1896.00		0.2	0.9	1.0	97	1.2	0.20	438
1899.00		0.2	1.0	0.9	105	1.2	0.19	437
1902.00		0.1	0.6	0.7	85	0.8	0.15	438
1905.00		0.1	0.6	0.8	83	0.9	0.20	438
1908.00		0.1	0.5	0.7	78	0.7	0.20	437
1911.00		0.1	0.8	0.9	82	1.0	0.16	437
1914.00		0.1	0.4	0.6	71	0.6	0.20	437
1917.00	S2937	0.0	0.8	1.0	76	0.9	0.08	433
1917.00		0.1	0.6	0.7	87	0.7	0.15	438
1920.00		0.0	0.4	0.7	61	0.6	0.16	437
1923.00		0.1	0.7	0.8	83	0.9	0.20	436
1926.00		0.1	0.8	0.9	89	1.0	0.18	440

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
1929.00		0.2	1.0	0.7	135	1.3	0.16	437
1932.00		0.2	1.0	1.1	96	1.3	0.16	437
1935.00		0.2	1.4	1.3	109	1.7	0.14	437
1938.00		0.2	1.3	1.2	114	1.6	0.15	438
1941.00		0.2	1.1	1.1	103	1.4	0.15	438
1944.00		0.2	0.9	0.9	99	1.2	0.21	439
1947.00	S2938	0.0	0.8	1.1	74	0.9	0.09	436
1947.00		0.1	0.5	0.7	73	0.7	0.17	439
1950.00		0.1	0.5	0.7	73	0.7	0.18	439
1953.00		0.1	0.8	0.7	103	0.9	0.13	439
1956.00		0.1	0.5	0.8	71	0.8	0.22	438
1959.00		0.1	0.5	0.8	69	0.8	0.21	438
1962.00		0.2	0.8	0.8	94	1.0	0.19	442
1965.00		0.1	0.6	0.7	79	0.7	0.16	441
1968.00		0.1	0.7	0.8	91	1.0	0.19	439
1971.00		0.1	0.6	0.8	83	0.8	0.20	440
1974.00		0.1	0.6	0.8	76	0.8	0.15	439
1977.00	S2939	0.0	0.5	0.9	54	0.6	0.07	433
1977.00		0.1	0.6	0.9	69	0.8	0.15	440
1980.00		0.1	0.7	1.0	74	0.9	0.17	440
1983.00		0.2	1.0	1.1	87	1.3	0.18	438
1986.00		0.1	0.5	0.8	59	0.6	0.18	439
1989.00	S2777	0.2	2.0	1.4	138	2.3	0.10	447
1989.00		0.3	2.5	1.1	219	2.9	0.13	446
1992.00		0.0	0.3	0.7	51	0.4	0.14	440
1995.00		0.1	0.7	0.9	75	0.8	0.14	437
1998.00		0.0	0.3	0.6	62	0.5	0.18	439
2001.00		0.1	0.4	0.7	63	0.6	0.21	440
2007.00	S2940	0.0	0.7	1.1	70	0.9	0.10	433
2007.00		0.1	0.6	0.6	88	0.7	0.15	437
2010.00		0.0	0.4	0.6	67	0.5	0.11	436
2013.00		0.0	0.4	0.5	71	0.5	0.13	441
2016.00		0.0	0.4	0.6	76	0.5	0.13	438
2019.00		0.0	0.4	0.5	78	0.5	0.11	439
2022.00		0.0	0.3	0.5	72	0.5	0.17	439
2025.00		0.1	0.6	0.8	82	0.8	0.15	439

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2028.00		0.0	0.6	0.7	86	0.7	0.08	441
2031.00		0.0	0.4	0.6	74	0.5	0.12	440
2034.00		0.0	0.4	0.5	72	0.5	0.13	439
2037.00		0.0	0.3	0.5	72	0.4	0.12	439
2040.00		0.0	0.2	0.4	53	0.3	0.14	438
2043.00		0.0	0.3	0.5	58	0.4	0.11	438
2046.00	S3010	0.1	0.5	0.6	83	0.6	0.16	
2046.00		0.0	0.4	0.5	79	0.5	0.13	439
2049.00		0.0	0.3	0.5	63	0.4	0.11	438
2052.00		0.0	0.2	0.5	56	0.3	0.10	438
2055.00		0.0	0.4	0.5	73	0.5	0.15	439
2058.00		0.0	0.4	0.5	77	0.5	0.14	438
2061.00		0.0	0.4	0.5	82	0.5	0.13	441
2064.00		0.1	0.8	0.8	109	1.0	0.10	440
2067.00	S2941	0.0	0.5	0.9	57	0.6	0.09	434
2067.00		0.0	0.4	0.6	75	0.5	0.10	445
2070.00		0.0	0.4	0.7	58	0.5	0.14	439
2073.00		0.0	0.3	0.6	63	0.4	0.14	438
2076.00		0.0	0.4	0.7	62	0.6	0.15	442
2079.00		0.1	0.6	0.5	112	0.8	0.18	444
2082.00		0.0	0.3	0.4	67	0.4	0.17	441
2085.00		0.0	0.2	0.5	49	0.3	0.07	447
2088.00		0.0	0.2	0.5	49	0.3	0.13	446
2091.00		0.0	0.2	0.5	36	0.2	0.05	439
2094.00		0.0	0.2	0.7	39	0.3	0.10	439
2097.00		0.0	0.1	0.4	26	0.1	0.08	436
2100.00		0.0	0.1	0.4	43	0.2	0.14	436
2103.00		0.0	0.1	0.4	42	0.2	0.14	438
2106.00		0.0	0.2	0.5	42	0.3	0.14	437
2109.00		0.0	0.2	0.4	47	0.2	0.13	452
2112.00		0.0	0.2	0.5	47	0.3	0.14	440
2115.00		0.0	0.3	0.6	62	0.4	0.16	441
2118.00		0.0	0.3	0.5	54	0.4	0.11	439
2121.00		0.0	0.3	0.5	53	0.3	0.09	440
2124.00		0.0	0.2	0.5	53	0.3	0.07	441
2127.00		0.1	0.5	0.7	73	0.7	0.18	443

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2130.00		0.1	0.4	0.7	67	0.6	0.19	441
2133.00		0.0	0.5	1.0	51	0.6	0.13	437
2135.00		0.3	1.3	0.7	176	1.8	0.21	450
2136.00		0.0	0.3	0.6	50	0.4	0.16	437
2139.00		0.2	1.0	1.0	97	1.2	0.19	440
2139.40		1.6	9.7	3.6	270	11.4	0.15	437
2140.00		0.8	1.9	1.0	189	2.8	0.30	440
2140.54	S2771	1.0	10.0	3.8	262	11.1	0.10	443
2140.79		0.7	3.7	1.6	230	4.6	0.17	443
2141.20		3.3	19.9	5.4	365	23.3	0.14	439
2141.30	S2772	0.9	9.1	3.7	245	10.0	0.09	443
2141.75		0.2	0.9	0.6	157	1.3	0.21	441
2142.00		0.2	1.0	0.6	160	1.3	0.20	441
2142.25		10.6	58.5	11.2	522	69.2	0.15	437
2142.30	S2773	1.1	11.6	4.8	243	12.8	0.09	446
2142.54		1.2	5.6	3.0	188	6.9	0.18	442
2142.65		0.3	0.8	0.5	146	1.1	0.27	447
2145.00		0.0	0.9	0.6	142	1.0	0.08	446
2148.00		0.0	0.4	0.6	72	0.6	0.13	444
2151.00		0.0	0.4	0.6	74	0.6	0.16	441
2154.00		0.0	0.5	0.5	88	0.6	0.14	441
2157.00	S2942	0.0	0.4	0.8	49	0.5	0.09	435
2157.00		0.0	0.5	0.6	87	0.7	0.12	444
2160.00		0.0	0.4	0.6	72	0.5	0.12	443
2163.00		0.0	0.4	0.6	72	0.6	0.16	441
2166.00		0.4	1.6	1.1	143	2.1	0.20	445
2169.00	S3048	0.0	0.5	0.9	56	0.6	0.07	
2169.00		0.8	4.5	2.2	200	5.4	0.16	443
2172.00		0.3	1.3	0.9	145	1.8	0.21	445
2175.00		0.2	0.9	0.9	102	1.1	0.18	445
2178.00		0.2	0.9	0.7	131	1.2	0.21	444
2181.00		0.1	0.7	0.5	134	0.9	0.16	444
2184.00		0.1	0.4	0.3	116	0.6	0.21	443
2187.00	S2943	0.1	0.7	1.0	70	0.8	0.12	435
2187.00		0.1	0.5	0.4	135	0.7	0.17	443
2190.00		0.0	0.4	0.9	48	0.5	0.16	441

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2193.00		0.1	0.5	0.3	151	0.6	0.17	445
2196.00		0.1	0.5	0.4	143	0.7	0.17	440
2199.00		0.0	0.3	0.3	123	0.4	0.16	444
2201.00	S2778	0.1	0.4		0	0.6	0.25	447
2202.00		0.0	0.4	0.3	103	0.5	0.17	445
2205.00		0.1	0.4	0.2	160	0.5	0.22	442
2208.00		0.2	0.5	0.3	132	0.7	0.29	440
2211.00		0.1	0.4	0.3	116	0.6	0.22	442
2213.00	S2779	0.0	0.0		0	0.1	0.40	
2214.00		0.1	0.4	0.3	124	0.5	0.21	441
2217.00		0.0	0.3	0.3	103	0.4	0.20	444
2220.00		0.0	0.4	0.6	70	0.5	0.18	443
2223.00		0.1	0.5	0.6	79	0.7	0.17	443
2226.00		0.1	0.4	0.3	123	0.6	0.20	445
2229.00		0.1	0.5	0.5	102	0.6	0.19	444
2232.00		0.1	0.5	0.5	97	0.7	0.21	444
2235.00		0.1	0.5	0.6	81	0.7	0.18	443
2238.00		0.1	0.5	0.4	129	0.7	0.17	443
2241.00		0.1	0.5	0.4	129	0.6	0.17	447
2244.00		0.0	0.2	0.7	30	0.3	0.21	443
2247.00		0.1	0.4	0.9	49	0.6	0.19	442
2250.00		0.0	0.2	0.8	30	0.3	0.17	446
2253.00		0.1	0.5	0.9	56	0.7	0.18	443
2256.00		0.1	0.4	0.9	52	0.6	0.19	445
2259.00		0.1	0.4	0.8	49	0.5	0.19	443
2262.00		0.0	0.3	0.7	52	0.5	0.19	441
2265.00		0.1	0.7	0.8	88	0.8	0.13	440
2268.00		0.1	0.7	0.8	83	0.8	0.14	442
2270.00		0.3	1.2	0.7	156	1.5	0.20	453
2271.00		0.0	0.4	0.6	70	0.5	0.11	434
2274.00		0.0	0.4	0.4	104	0.6	0.14	434
2277.00		0.0	0.4	0.6	67	0.5	0.13	435
2280.00		0.2	0.9	0.8	102	1.1	0.20	439
2283.00		0.1	0.6	0.5	138	0.8	0.15	435
2286.00		0.0	0.4	0.3	133	0.5	0.15	432

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2289.00		0.1	0.5	0.4	135	0.6	0.16	436
2292.00		0.0	0.3	0.2	130	0.4	0.15	438
2295.00		0.0	0.4	0.3	143	0.5	0.14	444
2298.00		0.0	0.4	0.2	180	0.5	0.15	436
2301.00		0.0	0.4	0.3	108	0.5	0.13	439
2304.00		0.0	0.4	0.2	215	0.5	0.14	437
2307.00	S2944	0.0	0.5	0.8	66	0.6	0.10	440
2307.00		0.0	0.2	0.2	133	0.3	0.18	441
2310.00		0.0	0.2	0.4	55	0.3	0.17	440
2313.00		0.1	0.6	0.2	263	0.8	0.16	436
2316.00		0.0	0.3	0.2	165	0.4	0.18	443
2319.00		0.1	0.5	0.2	221	0.7	0.18	435
2322.00		0.0	0.3	0.2	195	0.5	0.13	437
2325.00		0.1	0.5	0.2	193	0.7	0.17	435
2328.00		0.0	0.4	0.3	133	0.5	0.14	437
2331.00		0.1	0.5	0.2	211	0.7	0.17	441
2334.00		0.1	0.4	0.3	148	0.6	0.17	438
2337.00		0.0	0.4	0.3	145	0.5	0.15	435
2340.00		0.1	0.5	0.4	132	0.7	0.17	438
2343.00		0.0	0.4	0.8	49	0.5	0.16	435
2346.00		0.0	0.3	0.4	72	0.4	0.18	435
2349.00		0.0	0.3	0.8	37	0.4	0.18	435
2351.00		0.6	1.5	0.5	268	2.2	0.30	449
2352.00		0.0	0.3	0.4	90	0.4	0.18	436
2355.00		0.1	0.5	0.3	136	0.7	0.18	440
2358.00		0.1	0.4	0.3	140	0.6	0.20	441
2361.00		0.1	0.4	0.2	164	0.6	0.19	441
2364.00		0.1	0.5	0.5	98	0.6	0.19	440
2367.00		0.0	0.3	0.4	91	0.5	0.17	440
2370.00		0.1	0.4	0.4	100	0.6	0.21	441
2373.00		0.0	0.4	0.3	113	0.5	0.17	439
2376.00		0.1	0.5	0.3	142	0.7	0.23	437
2379.00		0.1	0.5	0.4	126	0.6	0.16	437
2382.00		0.1	0.5	0.4	124	0.6	0.16	438
2385.00		0.1	0.5	0.4	113	0.6	0.19	439
2388.00		0.1	0.6	0.3	171	0.8	0.21	443

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2391.00		0.0	0.4	0.4	95	0.5	0.16	440
2394.00		0.1	0.6	0.2	286	0.8	0.20	443
2397.00	S2945	0.0	0.5	0.9	63	0.6	0.08	438
2397.00		0.1	0.5	0.4	137	0.7	0.15	439
2400.00		0.0	0.3	0.4	83	0.5	0.19	441
2403.00		0.1	0.8	0.5	147	1.0	0.18	443
2406.00		0.1	0.5	0.4	119	0.7	0.16	440
2409.00		0.1	0.5	0.5	111	0.7	0.17	445
2412.00		0.1	0.5	0.3	138	0.7	0.18	442
2415.00		0.1	0.5	0.2	193	0.7	0.21	439
2418.00		0.1	0.3	0.4	88	0.5	0.23	445
2421.00		0.0	0.3	0.2	152	0.5	0.17	441
2424.00		0.0	0.3	0.4	78	0.4	0.20	447
2427.00		0.0	0.4	0.4	98	0.5	0.18	441
2430.00		0.0	0.4	0.5	80	0.5	0.17	440
2433.00		0.1	0.5	0.6	82	0.6	0.18	442
2436.00		0.1	0.3	0.5	64	0.5	0.35	441
2439.00		0.1	0.3	0.2	158	0.5	0.24	439
2442.00		0.1	0.4	0.5	74	0.5	0.20	440
2445.00		0.0	0.3	0.4	76	0.4	0.18	443
2448.00		0.0	0.2	0.2	82	0.3	0.18	442
2451.00		0.0	0.2	0.2	119	0.3	0.19	443
2454.00		0.0	0.2	0.2	127	0.4	0.22	444
2457.00		0.4	0.9	0.2	448	1.4	0.33	454
2460.00		0.0	0.6	0.5	118	0.7	0.13	451
2463.00		0.1	0.4	0.4	118	0.6	0.19	443
2466.00		0.1	0.5	0.4	123	0.6	0.16	449
2469.00		0.0	0.4	0.3	105	0.5	0.16	446
2472.00		0.1	0.6	1.3	47	0.7	0.14	433
2475.00		0.1	0.5	0.7	79	0.7	0.14	433
2478.00		0.1	0.6	0.6	87	0.7	0.14	433
2481.00		0.1	0.2	0.3	85	0.4	0.28	433
2484.00		0.1	0.7	0.7	105	0.9	0.16	432
2487.00	S2946	0.0	0.1	0.8	12	0.2	0.33	436
2487.00		0.3	0.8	1.0	84	1.2	0.27	436
2490.00		0.1	0.4	0.7	58	0.6	0.21	437

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2493.00		0.1	0.8	0.6	127	1.0	0.13	433
2496.00		0.1	0.7	0.8	90	0.9	0.16	433
2499.00		0.1	0.7	1.0	66	0.8	0.14	434
2502.00		0.1	0.3	0.5	66	0.5	0.21	437
2505.00		0.0	0.5	0.6	90	0.6	0.13	439
2508.00		0.1	0.3	0.8	42	0.5	0.29	439
2511.00		0.2	0.5	0.5	89	0.7	0.28	436
2514.00		0.1	0.6	0.7	88	0.8	0.15	437
2523.00		0.2	0.6	0.3	213	0.9	0.27	452
2526.00		0.2	0.6	0.2	252	0.9	0.23	450
2529.00		0.3	0.7	0.6	116	1.1	0.30	448
2532.00		0.1	0.5	0.4	116	0.7	0.24	454
2535.00		0.2	0.4	0.4	98	0.7	0.32	447
2538.00		0.3	0.4	0.5	84	0.8	0.41	447
2541.00		0.2	0.5	0.5	98	0.8	0.33	446
2544.00		0.1	0.2	0.4	55	0.4	0.34	450
2547.00	S2947	0.1	0.3	0.5	72	0.5	0.24	448
2547.00		0.1	0.4	0.4	105	0.6	0.28	442
2550.00		0.2	0.5	0.5	114	0.8	0.30	446
2553.00		0.1	0.3	0.2	130	0.4	0.27	447
2556.00		0.1	0.3	0.3	113	0.5	0.30	467
2559.00		0.1	0.3	0.2	152	0.5	0.27	493
2562.00		0.2	0.4	0.4	109	0.7	0.30	442
2565.00		0.2	0.5	0.3	142	0.8	0.32	460
2568.00		0.1	0.3	0.3	79	0.5	0.33	451
2571.00		0.3	0.3	0.4	98	0.7	0.46	453
2574.00		0.1	0.5	0.4	132	0.7	0.22	450
2577.00		0.1	0.4	0.3	122	0.6	0.21	454
2580.00		0.0	0.2	0.1	116	0.3	0.15	536
2583.00		0.0	0.0	0.1	13	0.0	0.50	455
2586.00		0.0	0.0	0.1	53	0.1	0.27	458
2589.00		0.0	0.1	0.2	71	0.2	0.17	461
2592.00		0.1	0.3	0.2	130	0.5	0.22	449
2595.00		0.1	0.0	0.1	36	0.2	0.75	402
2598.00		0.2	0.0	0.1	50	0.3	0.70	368
2601.00		0.0	0.2	0.2	105	0.3	0.28	460

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2604.00		0.0	0.3	0.3	110	0.4	0.21	492
2607.00		0.1	0.3	0.2	118	0.5	0.35	430
2610.00		0.1	0.2	0.1	156	0.4	0.38	424
2613.00		0.1	0.2	0.3	74	0.4	0.29	487
2616.00		0.1	0.3	0.3	103	0.5	0.24	454
2619.00		0.3	0.3	0.3	119	0.7	0.44	458
2622.00		0.1	0.3	0.3	130	0.5	0.20	454
2625.00		0.0	0.2	0.2	104	0.4	0.22	501
2628.00		0.1	0.4	0.2	157	0.6	0.25	448
2631.00		0.0	0.4	0.2	192	0.5	0.12	458
2634.00		0.1	0.5	0.4	148	0.8	0.23	456
2637.00	S2948	0.0	0.2	0.3	74	0.3	0.19	
2637.00		0.3	0.4	0.2	157	0.8	0.46	445
2640.00		0.0	0.5	0.3	147	0.6	0.15	529
2643.00		0.0	0.4	0.3	152	0.5	0.11	528
2646.00		0.1	0.5	0.3	156	0.7	0.15	457
2649.00		0.0	0.4	0.3	132	0.6	0.16	502
2652.00		0.9	0.2	0.2	79	1.2	0.82	387
2655.00		0.1	0.6	0.3	167	0.7	0.15	460
2658.00		0.6	0.2	0.2	100	1.0	0.71	436
2661.00		0.1	0.4	0.3	130	0.6	0.22	509
2664.00		0.1	0.6	0.4	140	0.8	0.15	461
2667.00		0.1	0.5	0.3	168	0.7	0.17	449
2670.00		0.1	0.5	0.3	154	0.7	0.17	449
2673.00		0.1	0.6	0.3	166	0.8	0.18	448
2676.00		0.1	0.4	0.2	184	0.6	0.21	437
2679.00		0.1	0.6	0.4	150	0.8	0.22	489
2682.00		0.0	0.5	0.3	156	0.6	0.12	464
2685.00		0.1	0.4	0.4	120	0.6	0.23	451
2688.00		0.0	0.3	0.3	97	0.4	0.21	458
2691.00		0.0	0.2	0.2	93	0.3	0.22	508
2694.00		0.0	0.1	0.2	86	0.2	0.17	472
2697.00		0.1	0.3	0.2	144	0.5	0.23	476
2700.00		0.4	0.8	0.3	234	1.2	0.33	424
2703.00		0.2	0.5	0.3	174	0.7	0.27	456
2706.00		0.1	0.5	0.3	159	0.7	0.22	467

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2709.00		0.1	0.4	0.2	161	0.6	0.18	464
2712.00		0.1	0.5	0.3	142	0.6	0.18	454
2715.00		0.1	0.6	0.3	177	0.7	0.14	456
2718.00		0.0	0.4	0.3	150	0.6	0.14	460
2721.00		0.0	0.2	0.3	88	0.4	0.24	459
2724.00		0.1	0.4	0.3	138	0.5	0.19	473
2727.00	S2949	0.0	0.2	0.3	74	0.3	0.18	
2727.00		0.1	0.5	0.3	156	0.7	0.18	480
2730.00		0.0	0.3	0.2	129	0.4	0.16	508
2733.00		0.1	0.4	0.2	174	0.5	0.20	484
2736.00		0.1	0.5	0.3	168	0.8	0.24	470
2739.00		0.1	0.6	0.3	191	0.8	0.21	461
2742.00		0.1	0.6	0.3	188	0.8	0.18	493
2745.00		0.1	0.5	0.2	179	0.6	0.19	466
2748.00		0.1	0.7	0.2	257	0.8	0.14	478
2751.00		0.0	0.4	0.2	146	0.5	0.16	481
2754.00		0.1	0.6	0.2	214	0.7	0.15	464
2757.00		0.1	0.5	0.3	154	0.8	0.24	447
2760.00		0.3	0.9	0.5	186	1.3	0.27	479
2763.00	S3049	0.2	0.5	0.8	70	0.8	0.26	
2763.00		1.6	1.4	1.3	110	3.1	0.53	448
2766.00		1.5	1.6	1.2	127	3.1	0.48	450
2769.00		0.8	0.7	0.7	99	1.6	0.54	446
2775.00		0.8	0.6	0.6	102	1.5	0.56	444
2778.00		1.2	1.3	1.0	121	2.6	0.49	442
2781.00		0.9	1.1	0.7	142	2.0	0.45	446
2784.00		1.8	1.5	1.5	97	3.4	0.55	442
2787.00	S2950	0.1	0.2	0.4	58	0.4	0.35	
2787.00		0.3	0.2	0.3	90	0.7	0.57	443
2790.00		1.9	1.8	1.4	128	3.8	0.52	442
2793.00		0.6	0.9	0.6	142	1.5	0.39	452
2796.00		0.8	1.0	0.7	145	1.9	0.44	442
2799.00		0.3	0.4	0.3	155	0.8	0.41	458
2802.00		0.4	0.6	0.4	156	1.1	0.38	450
2805.00		0.0	0.1	0.8	23	0.3	0.24	379
2808.00		0.5	0.6	0.4	151	1.2	0.46	446

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2811.00		0.3	0.4	0.5	91	0.9	0.44	433
2814.00		0.6	0.8	0.6	134	1.5	0.43	446
2817.00	S2951	0.1	0.2	0.4	55	0.4	0.41	
2817.00		0.3	0.5	0.3	154	0.9	0.39	483
2820.00		0.1	0.1	0.2	63	0.4	0.53	375
2823.00		0.3	0.3	0.3	127	0.7	0.46	394
2826.00		0.4	0.5	0.4	124	1.0	0.48	455
2829.00		0.2	0.5	0.3	156	0.8	0.31	489
2832.00		0.1	0.2	0.2	105	0.4	0.44	453
2835.00		0.2	0.2	0.2	96	0.5	0.51	402
2838.00		0.0	0.0	0.0	86	0.1	0.33	378
2841.00		0.1	0.3	0.6	60	0.5	0.28	413
2844.00		0.1	0.3	0.2	133	0.5	0.29	471
2847.00	S2952	0.1	0.2	0.4	58	0.4	0.29	
2847.00		0.3	0.6	0.3	184	1.0	0.33	457
2850.00		0.3	0.5	0.4	128	0.8	0.38	451
2853.00		0.4	0.6	0.4	130	1.1	0.43	452
2856.00		0.7	1.0	0.6	149	1.8	0.43	454
2859.00		1.0	0.8	0.7	113	1.9	0.55	447
2862.00		1.2	0.9	0.9	101	2.1	0.57	452
2865.00		1.4	1.0	1.0	101	2.5	0.60	450
2868.00	S3050	0.2	0.3	0.7	52	0.6	0.37	
2868.00		1.5	0.9	1.0	89	2.5	0.63	443
2871.00		0.0	0.1	0.1	125	0.2	0.21	440
2874.00		0.0	0.1	0.1	91	0.1	0.23	400
2877.00		0.0	0.2	0.1	208	0.3	0.19	465
2880.00		0.0	0.1	0.1	100	0.2	0.27	411
2883.00		0.1	0.2	0.1	240	0.3	0.29	389
2886.00		0.0	0.0	0.1	17	0.0	0.25	457
2889.00		0.0	0.0	0.0	13	0.0	0.00	294
2892.00		0.1	0.2	0.1	139	0.4	0.29	374
2895.00		0.0	0.0	0.1	70	0.1	0.22	493
2898.00		0.0	0.3	0.1	188	0.4	0.19	426
2901.00		0.0	0.2	0.0	367	0.2	0.08	398
2904.00		0.0	0.2	0.1	175	0.3	0.16	403

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2907.00		0.1	0.2	0.1	111	0.3	0.41	486
2910.00		0.1	0.1	0.1	150	0.4	0.49	427
2913.00		0.1	0.3	0.2	152	0.4	0.24	473
2915.00	S2879	2.1	2.0	1.7	118	4.1	0.51	
2916.00		0.0	0.1	0.2	81	0.3	0.35	535
2919.00	S2880	0.5	0.2	0.3	67	0.7	0.71	
2919.00	S3051	0.2	0.8		0	1.1	0.24	
2919.00		0.7	0.8	0.5	146	1.6	0.49	467
2921.00		0.2	0.3	0.2	120	0.6	0.47	478
2924.00		0.4	0.4	0.3	123	0.8	0.49	469

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2927.00		0.5	0.5	0.4	113	1.1	0.53	476
2931.00	S3052	0.0	0.3		0	0.4	0.14	
2931.00		0.5	0.4	0.3	127	1.0	0.53	473
2934.00		0.2	0.3	0.3	100	0.5	0.43	507
2935.00	S2881	0.1	0.1	0.1	100	0.2	0.50	
2937.00	S2882	0.2	0.0	0.1	23	0.3	0.88	
2937.00		0.1	0.3	0.1	188	0.5	0.38	551
2940.00		0.1	0.2	0.1	192	0.3	0.30	535
2943.00		0.1	0.2	0.2	119	0.4	0.39	485
2944.50	S2883	0.3	0.0	0.1	36	0.3	0.88	
2946.00		0.0	0.1	0.0	133	0.2	0.33	491
2949.00		0.1	0.1	0.0	211	0.4	0.49	490
2951.00	S2788	0.1	0.2	0.3	60	0.3	0.38	455
2951.83	S2789	0.0	0.0	0.0	0	0.0	1.00	
2951.83		0.0	0.3	0.4	93	0.4	0.08	500
2952.00		0.1	0.1	0.0	317	0.3	0.34	487
2952.80	S2790	0.0	0.0	0.2	30	0.1	0.25	
2952.80		0.0	0.3	0.3	82	0.3	0.06	405
2953.70	S2791	0.0	0.0	0.2	29	0.1	0.25	
2953.70		0.0	0.2	0.2	89	0.3	0.07	417
2954.60	S2792	0.0	0.0	0.0	0	0.0	1.00	
2954.60		0.0	0.2	0.2	81	0.2	0.08	516
2955.00		0.2	0.3	0.3	109	0.6	0.39	427
2955.50	S2793	0.0	0.0	0.1	13	0.0	0.33	
2955.50		0.0	0.2	0.2	79	0.2	0.00	526
2956.02	S2794	0.0	0.0	0.1	18	0.0	0.25	
2956.02		0.0	0.2	0.2	117	0.3	0.00	425
2957.00	S2795	0.0	0.0	0.0	0	0.0	1.00	
2957.00		0.0	0.2	0.2	108	0.3	0.00	436
2958.00		0.2	0.3	0.2	140	0.6	0.38	359
2961.00		0.7	0.7	0.5	137	1.5	0.47	405
2964.00		0.4	0.5	0.4	116	0.9	0.46	432
2967.00		0.5	0.6	0.5	124	1.1	0.44	432
2970.00		0.4	0.4	0.4	94	0.9	0.48	415
2973.00		0.3	0.4	0.5	78	0.7	0.44	431
2976.00		0.2	0.3	0.4	67	0.5	0.40	441

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
2979.00		0.2	0.4	0.3	128	0.6	0.35	451
2985.00		0.4	0.4	0.5	82	0.9	0.51	446
2988.00		0.3	0.4	0.4	92	0.8	0.42	445
2991.00		0.3	0.4	0.4	104	0.8	0.42	409
2994.00		0.3	0.3	0.4	80	0.6	0.48	440
2997.00	S2953	0.1	0.2	0.4	64	0.4	0.26	
2997.00		0.2	0.3	0.3	86	0.5	0.41	445
3000.00		0.4	0.5	0.5	100	1.0	0.47	450
3003.00		0.4	0.4	0.5	96	1.0	0.51	434
3006.00		0.2	0.4	0.5	84	0.8	0.37	457
3009.00		0.4	0.2	0.3	76	0.7	0.59	455
3015.00		0.3	0.4	0.4	117	0.9	0.43	458
3018.00	S3053	0.0	0.0		0	0.1	0.13	
3018.00		0.3	0.4	0.3	108	0.8	0.44	487
3021.00		0.2	0.4	0.2	148	0.6	0.33	401
3024.00		0.1	0.4	0.2	176	0.6	0.28	417
3027.00		0.1	0.4	0.2	187	0.6	0.31	418
3030.00		0.1	0.6	0.2	243	0.9	0.21	391
3033.00		0.2	0.6	0.2	241	0.9	0.27	426
3036.00		0.1	0.4	0.2	204	0.7	0.27	462
3039.00		0.1	0.2	0.2	75	0.4	0.42	435
3042.00		0.1	0.2	0.2	100	0.4	0.39	373
3045.00		0.2	0.2	0.2	127	0.5	0.47	393
3048.00		0.1	0.1	0.1	94	0.3	0.47	362
3051.00		0.1	0.2	0.1	144	0.4	0.43	384
3054.00		0.2	0.4	0.2	171	0.6	0.34	
3057.00	S2954	0.0	0.2	0.3	61	0.3	0.27	
3057.00		0.1	0.2	0.2	100	0.3	0.33	460
3057.16	S2800	0.0	0.0	0.0	0	0.0	1.00	
3058.00	S2801	0.0	0.0	0.1	36	0.1	0.29	
3059.25	S2802	0.0	0.0	0.1	11	0.0	0.33	
3060.00	S2803	0.0	0.0	0.1	17	0.0	0.50	
3060.00		0.2	0.3	0.3	113	0.6	0.40	472
3060.50		0.0	0.2	0.1	200	0.3	0.07	411
3062.00	S2804	0.0	0.0	0.0	67	0.0	0.50	
3063.00	S2805	0.0	0.0	0.0	0	0.0	1.00	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3063.00		0.2	0.4	0.3	111	0.7	0.38	387
3063.20		0.0	0.2	0.0	500	0.3	0.19	364
3064.00	S2806	0.0	0.0	0.0	50	0.0	0.33	
3065.00	S2807	0.0	0.0	0.0	25	0.0	0.50	
3066.00	S2808	0.0	0.0	0.0	0	0.0	1.00	
3066.00		0.1	0.2	0.4	58	0.4	0.42	377
3066.70		0.0	0.2	0.0	675	0.3	0.07	337
3067.25	S2809	0.0	0.0	0.0	0	0.0	1.00	
3069.00		0.2	0.3	0.3	103	0.6	0.41	
3070.00	S2810	0.0	0.0	0.0	60	0.0	0.25	
3070.30		0.0	0.2	0.0	675	0.3	0.10	375
3071.00	S2811	0.0	0.0	0.0	0	0.0	1.00	
3072.00	S2812	0.0	0.0	0.0	0	0.0	1.00	
3072.00		0.2	0.4	0.4	107	0.7	0.39	366
3073.00	S2813	0.0	0.0	0.0	0	0.0	1.00	
3074.10		0.0	0.2	0.0	350	0.3	0.07	453
3075.00		0.3	0.4	0.3	137	0.8	0.38	446
3076.50		0.0	0.3	0.1	207	0.4	0.23	429
3078.00		0.2	0.4	0.3	128	0.7	0.37	469
3081.30		0.0	0.2	0.1	129	0.3	0.15	452
3083.10		0.0	0.2	0.1	225	0.3	0.18	431
3087.00		0.3	0.4	0.0	700	0.7	0.42	446
3090.00		0.2	0.1	0.0	633	0.4	0.51	453
3093.00		0.3	0.8	0.5	154	1.2	0.30	443
3096.00		0.0	0.6	0.7	92	0.7	0.08	442
3099.00		0.1	0.3	0.3	106	0.5	0.31	494
3102.00		0.1	0.3	0.3	106	0.5	0.32	455
3105.00		0.2	0.7	0.3	212	1.0	0.28	468
3108.00		0.1	0.2	0.2	100	0.4	0.35	451
3111.00		0.3	0.3	0.5	76	0.7	0.44	437
3114.00		0.1	0.1	0.3	55	0.3	0.40	417
3117.00	S2955	0.0	0.2	0.3	66	0.3	0.26	
3117.00		0.1	0.1	0.2	82	0.3	0.36	448
3120.00		0.0	0.1	0.1	58	0.2	0.45	
3123.00		0.3	0.6	0.7	86	1.0	0.32	447
3126.00		0.1	0.3	0.7	45	0.4	0.27	435

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3129.00		0.1	0.4	0.6	65	0.6	0.31	442
3132.00		0.1	0.2	0.5	35	0.3	0.41	385
3135.00		0.2	0.6	1.0	65	0.9	0.23	428
3138.00		0.1	0.2	0.2	84	0.3	0.36	444
3141.00		0.1	0.3	0.5	72	0.6	0.29	406
3144.00		0.2	0.6	0.7	88	0.9	0.30	436
3147.00		0.1	0.2	0.4	53	0.3	0.32	426
3150.00		0.0	0.1	0.3	29	0.2	0.35	
3153.00		0.0	0.2	0.2	115	0.3	0.28	458
3156.00		0.0	0.1	0.1	92	0.2	0.39	
3159.00		0.0	0.0	0.1	47	0.1	0.38	
3162.00		0.0	0.1	0.1	113	0.3	0.32	
3165.00		0.1	0.2	0.2	95	0.3	0.41	406
3168.00		0.1	0.1	0.2	72	0.3	0.40	420
3171.00		0.0	0.1	0.1	83	0.1	0.29	
3174.00		0.1	0.2	0.1	167	0.4	0.31	506
3177.00		0.0	0.1	0.1	92	0.2	0.35	
3180.00		0.0	0.1	0.1	121	0.2	0.19	
3183.00		0.0	0.1	0.1	100	0.3	0.31	442
3186.00		0.2	0.7	0.9	86	1.0	0.21	437
3189.00		0.1	0.4	0.5	94	0.6	0.20	435
3192.00		0.0	0.3	0.2	107	0.4	0.19	505
3195.00		0.2	0.8	1.1	75	1.1	0.23	430
3198.00		0.0	0.3	0.4	75	0.5	0.20	444
3201.00		0.0	0.3	0.3	110	0.4	0.15	492
3204.00		0.3	0.9	1.0	90	1.3	0.25	428
3207.00	S2956	0.0	0.1	0.3	63	0.2	0.21	
3207.00		0.2	0.2	0.2	100	0.5	0.45	447
3210.00		0.2	0.3	0.2	125	0.6	0.40	444
3213.00		0.3	0.5	0.2	204	0.8	0.38	463
3216.00		0.1	0.3	0.2	111	0.4	0.24	438
3219.00		0.2	0.6	0.8	68	0.8	0.27	431
3222.00		0.2	0.8	1.0	85	1.1	0.22	434
3225.00		0.1	0.6	0.8	74	0.8	0.18	435
3228.00		0.2	0.8	1.0	82	1.1	0.20	435
3231.00		0.2	0.8	1.0	77	1.0	0.20	434

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3234.00		0.0	0.2	0.2	92	0.3	0.21	469
3236.00		0.0	0.4	0.3	105	0.5	0.13	496
3236.95		0.0	0.3	0.1	211	0.5	0.16	428
3237.00		0.3	0.5	0.3	159	0.9	0.36	447
3237.50	S2815	0.0	0.0	0.0	17	0.0	0.67	
3238.30		0.0	0.1	0.1	94	0.2	0.11	423
3243.00		0.1	0.4	0.3	142	0.6	0.30	453
3246.00		0.1	0.4	0.2	183	0.6	0.30	453
3249.00		0.1	0.3	0.3	113	0.5	0.29	404
3252.00		0.0	0.0	0.1	44	0.1	0.38	
3255.00		0.1	0.3	0.1	229	0.4	0.26	423
3258.00		0.2	0.4	0.2	205	0.6	0.35	414
3261.00		0.2	0.6	0.2	214	0.9	0.32	
3264.00		0.0	0.1	0.1	89	0.2	0.27	
3267.00	S2957	0.0	0.2	0.3	64	0.3	0.24	
3267.00		0.0	0.2	0.2	109	0.3	0.26	422
3270.00		0.1	0.4	0.3	140	0.6	0.29	452
3273.00		0.0	0.3	0.1	176	0.4	0.23	500
3276.00		0.0	0.1	0.2	55	0.2	0.40	430
3279.00		0.0	0.1	0.1	65	0.1	0.21	
3282.00		0.1	0.4	0.2	196	0.7	0.27	435
3285.00		0.0	0.1	0.1	92	0.1	0.21	
3288.00		0.1	0.1	0.1	100	0.3	0.48	
3291.00		0.0	0.1	0.1	53	0.1	0.29	
3294.00		0.0	0.1	0.1	75	0.1	0.14	
3297.00		0.1	0.2	0.1	133	0.3	0.38	
3300.00		0.0	0.0	0.1	33	0.1	0.20	
3303.00		0.0	0.0	0.1	55	0.1	0.33	
3306.00		0.0	0.2	0.2	83	0.3	0.26	
3309.00		0.0	0.2	0.3	54	0.3	0.25	434
3312.00		0.2	0.8	0.6	141	1.1	0.21	427
3315.00		0.7	0.6	0.5	126	1.4	0.51	429
3318.00		0.0	0.1	0.2	50	0.2	0.30	420
3321.00		0.0	0.1	0.5	37	0.3	0.24	433
3324.00		0.0	0.1	0.2	73	0.2	0.24	421
3327.00		0.0	0.2	0.4	58	0.3	0.18	439

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3330.00		0.0	0.0	0.2	29	0.1	0.11	
3333.00		0.0	0.1	0.2	41	0.2	0.27	
3336.00		0.0	0.0	0.2	13	0.1	0.63	
3339.00		0.1	0.4	0.4	98	0.5	0.20	452
3342.00		0.0	0.2	0.3	62	0.3	0.21	445
3345.00		0.0	0.1	0.4	35	0.2	0.20	438
3348.00		0.0	0.1	0.4	41	0.2	0.23	471
3351.00		0.1	0.4	0.5	84	0.7	0.26	431
3354.00		0.0	0.0	0.2	10	0.0	0.50	
3357.00	S2958	0.0	0.1	0.2	43	0.2	0.25	
3357.00		0.0	0.2	0.4	67	0.4	0.22	439
3360.00		0.2	0.5	0.6	90	0.7	0.27	487
3363.00		0.0	0.2	0.1	122	0.3	0.27	
3366.00		0.0	0.1	0.1	106	0.3	0.32	
3369.00		0.1	0.2	0.2	112	0.4	0.28	396
3372.00		0.1	0.2	0.3	60	0.3	0.36	442
3375.00		0.2	0.2	0.2	100	0.5	0.48	358
3378.00		0.0	0.0	0.1	64	0.2	0.40	334
3381.00		0.0	0.1	0.1	125	0.2	0.32	477
3384.00		0.1	0.3	0.2	118	0.4	0.25	419
3387.00		0.0	0.0	0.1	47	0.2	0.47	337
3390.00		0.0	0.1	0.2	50	0.1	0.29	317
3393.00		0.1	0.1	0.2	50	0.2	0.50	412
3396.00		0.0	0.1	0.1	100	0.3	0.27	398
3399.00		0.0	0.1	0.1	82	0.2	0.30	383
3402.00		0.1	0.2	0.1	117	0.3	0.32	422
3405.00		0.0	0.1	0.1	63	0.2	0.38	371
3408.00		0.3	0.3	0.4	81	0.7	0.47	453
3411.00		0.4	0.4	0.5	83	0.9	0.48	449
3414.00		0.1	0.3	0.4	80	0.5	0.34	468
3417.00		0.1	0.1	0.2	76	0.4	0.46	449
3420.00		0.1	0.0	0.1	39	0.2	0.63	391
3423.00		0.0	0.0	0.1	27	0.1	0.56	336
3426.00		0.0	0.0	0.1	0	0.0	1.00	
3429.00		0.0	0.0	0.1	42	0.1	0.44	381
3432.00		0.2	0.2	0.3	65	0.5	0.52	449

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3435.00		0.1	0.1	0.1	80	0.2	0.45	495
3438.00		0.0	0.0	0.1	33	0.1	0.60	378
3441.00		0.0	0.0	0.1	47	0.2	0.50	456
3444.00		0.0	0.0	0.1	21	0.1	0.33	364
3447.00		0.0	0.0	0.1	47	0.1	0.25	337
3450.00		0.1	0.2	0.3	67	0.3	0.35	470
3453.00		0.1	0.1	0.2	55	0.2	0.52	368
3456.00		0.0	0.0	0.1	47	0.1	0.30	362
3459.00		0.0	0.1	0.1	82	0.2	0.30	420
3462.00		0.0	0.1	0.1	94	0.3	0.36	450
3465.00		0.0	0.2	0.2	104	0.3	0.25	505
3468.00		0.0	0.2	0.1	139	0.3	0.24	493
3471.00		0.0	0.2	0.2	100	0.3	0.29	485
3474.00		0.0	0.2	0.3	76	0.3	0.22	479
3477.00		0.1	0.2	0.2	104	0.4	0.33	459
3480.00		0.1	0.1	0.1	74	0.3	0.46	468
3483.00		0.0	0.2	0.3	71	0.3	0.22	462
3486.00		0.1	0.2	0.3	87	0.5	0.40	456
3489.00		0.1	0.5	0.2	216	0.7	0.17	468
3492.00		0.0	0.2	0.1	147	0.3	0.17	492
3495.00		0.0	0.3	0.1	189	0.4	0.19	523
3498.00		0.1	0.3	0.2	136	0.5	0.29	476
3501.00		0.0	0.2	0.2	109	0.3	0.24	471
3504.00		0.1	0.3	0.2	119	0.5	0.30	472
3507.00		0.0	0.2	0.1	133	0.3	0.27	393
3510.00		0.1	0.2	0.2	100	0.4	0.32	449
3513.00		0.0	0.2	0.1	175	0.4	0.22	479
3516.00		0.1	0.4	0.2	179	0.6	0.28	491
3519.00		0.0	0.2	0.1	144	0.3	0.23	477
3522.00		0.0	0.3	0.2	181	0.5	0.17	445
3525.00		0.0	0.4	0.3	127	0.5	0.11	514
3528.00		0.0	0.2	0.1	175	0.3	0.07	553
3531.00		0.0	0.2	0.1	117	0.3	0.16	521
3534.00		0.1	0.2	0.2	122	0.4	0.30	498
3537.00	S2959	0.0	0.0	0.2	38	0.1	0.38	
3537.00		0.0	0.3	0.1	184	0.4	0.13	526

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3540.00		0.0	0.2	0.2	120	0.3	0.14	508
3543.00		0.0	0.2	0.2	114	0.3	0.14	475
3546.00		0.0	0.2	0.1	144	0.3	0.08	403
3549.00		0.0	0.2	0.1	132	0.3	0.07	542
3552.00		0.0	0.1	0.1	80	0.1	0.14	461
3555.00		0.0	0.1	0.1	100	0.2	0.13	499
3558.00		0.0	0.1	0.1	61	0.1	0.21	406
3561.00		0.0	0.1	0.2	57	0.2	0.06	425
3564.00		0.0	0.2	0.3	90	0.3	0.10	447
3567.00		0.0	0.1	0.1	63	0.1	0.14	466
3570.00		0.0	0.2	0.2	96	0.3	0.27	419
3573.00		0.0	0.2	0.1	122	0.3	0.12	419
3576.00		0.0	0.1	0.3	56	0.2	0.10	400
3579.00		0.0	0.1	0.1	74	0.2	0.18	376
3582.00		0.0	0.2	0.1	117	0.3	0.30	371
3585.00		0.0	0.3	0.3	103	0.4	0.19	400
3588.00		0.0	0.3	0.2	152	0.4	0.20	486
3591.00		0.0	0.1	0.1	100	0.2	0.17	469
3594.00		0.0	0.2	0.2	84	0.3	0.16	444
3597.00		0.0	0.2	0.1	133	0.3	0.17	467
3600.00		0.0	0.1	0.1	94	0.2	0.16	506
3603.00		0.0	0.3	0.2	148	0.4	0.21	487
3606.00		0.0	0.2	0.2	88	0.3	0.15	526
3609.00		0.0	0.2	0.1	116	0.3	0.24	420
3612.00		0.1	0.4	0.4	108	0.5	0.19	480
3615.00		0.1	0.3	0.2	162	0.4	0.23	427
3618.00		0.0	0.2	0.1	169	0.3	0.16	525
3621.00		0.0	0.1	0.1	100	0.2	0.12	488
3624.00		0.0	0.1	0.1	79	0.2	0.27	471
3627.00		0.0	0.1	0.1	114	0.2	0.06	446
3630.00		0.0	0.3	0.4	73	0.4	0.15	444
3633.00		0.0	0.1	0.2	86	0.2	0.22	389
3636.00		0.0	0.2	0.1	133	0.3	0.23	384
3639.00		0.0	0.4	0.6	73	0.6	0.14	462
3642.00		0.0	0.2	0.1	124	0.3	0.19	446
3645.00		0.0	0.1	0.2	63	0.2	0.21	397

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3648.00		0.1	0.1	0.2	68	0.3	0.42	361
3651.00		0.0	0.3	0.2	107	0.4	0.21	461
3654.00		0.1	0.5	0.3	164	0.7	0.25	497
3657.00	S2960	0.0	0.1	0.2	38	0.1	0.23	
3657.00		0.0	0.3	0.2	150	0.4	0.16	529
3660.00		0.0	0.2	0.2	122	0.3	0.10	525
3663.00		0.0	0.2	0.2	125	0.3	0.11	540
3666.00		0.0	0.2	0.2	105	0.2	0.04	520
3669.00		0.0	0.4	0.2	146	0.5	0.13	523
3672.00		0.0	0.3	0.2	137	0.4	0.14	495
3675.00		0.0	0.2	0.2	105	0.3	0.12	426
3678.00		0.1	0.3	0.3	106	0.5	0.22	448
3681.00		0.0	0.1	0.2	58	0.2	0.13	469
3684.00		0.0	0.2	0.3	77	0.3	0.11	469
3687.00		0.0	0.2	0.3	77	0.3	0.10	546
3690.00		0.1	0.4	0.4	110	0.6	0.19	494
3693.00		0.1	0.3	0.3	86	0.5	0.31	511
3696.00		0.1	0.2	0.3	70	0.3	0.32	384
3699.00		0.2	0.3	0.4	73	0.5	0.41	396
3702.00		0.1	0.3	0.3	97	0.5	0.28	474
3705.00		0.1	0.4	0.5	74	0.5	0.26	419
3708.00		0.1	0.5	0.6	75	0.7	0.24	450
3711.00		0.0	0.3	0.4	85	0.4	0.11	440
3714.00		0.1	0.4	0.5	87	0.6	0.18	522
3717.00		0.0	0.4	0.5	77	0.5	0.14	503
3720.00		0.1	0.4	0.6	68	0.5	0.19	508
3723.00		0.0	0.2	0.6	40	0.3	0.22	513
3726.00		0.1	0.3	0.6	54	0.5	0.23	495
3729.00		0.0	0.3	0.7	47	0.4	0.15	534
3732.00		0.1	0.5	0.8	58	0.6	0.22	501
3735.00		0.2	0.4	0.6	69	0.6	0.31	493
3738.00		0.1	0.4	0.8	57	0.6	0.24	514
3741.00		0.1	0.4	0.7	60	0.6	0.20	494
3744.00		0.0	0.3	0.7	46	0.4	0.20	463
3747.00		0.0	0.4	0.7	58	0.5	0.13	489
3750.00		0.0	0.3	0.7	47	0.4	0.19	435

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3753.00		0.0	0.2	0.6	40	0.3	0.22	420
3756.00		0.0	0.3	0.5	68	0.5	0.19	451
3759.00		0.0	0.4	0.8	48	0.5	0.18	492
3762.00		0.0	0.1	0.6	30	0.3	0.27	373
3765.00		0.1	0.5	0.8	63	0.6	0.18	517
3768.00		0.0	0.2	0.6	32	0.3	0.22	430
3771.00		0.0	0.2	0.7	38	0.3	0.18	422
3774.00		0.0	0.2	0.6	40	0.3	0.19	451
3777.00		0.0	0.1	0.5	29	0.2	0.20	400
3780.00		0.0	0.1	0.6	20	0.2	0.33	391
3783.00		0.0	0.2	0.6	45	0.4	0.24	516
3786.00		0.0	0.5	0.6	78	0.6	0.14	512
3789.00		0.0	0.4	0.6	78	0.6	0.15	512
3792.00		0.0	0.3	0.6	57	0.4	0.17	513
3795.00		0.0	0.2	0.5	53	0.3	0.18	512
3798.00		0.0	0.4	0.5	72	0.5	0.13	537
3801.00		0.1	0.4	0.5	82	0.6	0.29	502
3804.00		0.0	0.2	0.4	61	0.3	0.18	525
3807.00		0.0	0.3	0.4	73	0.4	0.20	487
3810.00		0.0	0.3	0.5	59	0.4	0.13	509
3813.00		0.0	0.4	0.5	74	0.5	0.18	503
3816.00		0.0	0.3	0.6	55	0.4	0.15	521
3819.00		0.1	0.4	0.3	110	0.5	0.19	515
3822.00		0.1	0.3	0.5	61	0.5	0.22	544
3825.00		0.1	0.4	0.6	72	0.6	0.20	534
3828.00		0.0	0.3	0.5	63	0.4	0.18	526
3831.00		0.0	0.3	0.7	48	0.4	0.17	526
3834.00		0.1	0.3	0.8	44	0.5	0.24	525
3837.00		0.0	0.4	0.6	61	0.5	0.15	513
3840.00		0.0	0.3	0.7	51	0.5	0.13	516
3843.00		0.0	0.3	0.5	70	0.4	0.14	516
3846.00		0.0	0.3	0.7	53	0.4	0.11	505
3849.00		0.0	0.3	0.7	54	0.5	0.17	510
3852.00		0.0	0.1	0.6	30	0.2	0.21	513
3855.00		0.0	0.5	0.7	66	0.6	0.15	512
3858.00		0.0	0.2	0.5	43	0.3	0.15	511

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3861.00		0.0	0.3	0.6	50	0.4	0.19	512
3864.00		0.0	0.1	0.6	28	0.3	0.28	515
3867.00		0.1	0.4	0.7	56	0.5	0.20	504
3870.00		0.0	0.3	0.7	44	0.4	0.18	512
3871.50	S2884	0.0	0.1	1.3	8	0.1	0.23	
3873.00		0.0	0.4	0.8	56	0.6	0.16	512
3876.00		0.0	0.2	0.6	41	0.3	0.13	512
3879.00		0.1	0.3	0.5	63	0.5	0.35	425
3882.00		0.1	0.4	1.3	34	0.6	0.23	458
3882.50	S2885	0.0	0.1	1.8	9	0.2	0.23	
3885.00		0.1	0.4	1.5	32	0.6	0.20	518
3888.00		0.2	0.5	1.8	28	0.8	0.35	513
3891.00		0.1	0.6	2.1	31	0.8	0.19	504
3891.50	S2886	0.0	0.2	2.2	9	0.2	0.13	
3894.00		0.2	0.6	2.1	31	0.9	0.27	465
3897.00	S2961	0.1	0.5	2.2	23	0.6	0.18	
3897.00		0.1	0.5	1.8	29	0.6	0.16	512
3900.00		0.3	0.8	1.9	42	1.2	0.30	494
3903.00		0.1	0.5	1.9	30	0.7	0.23	505
3906.00		0.1	0.5	1.8	31	0.7	0.17	510
3909.00		0.1	0.5	2.2	23	0.7	0.23	511
3912.00		0.1	0.3	1.9	18	0.5	0.26	515
3915.00		0.2	0.3	2.1	14	0.5	0.39	411
3918.00		0.1	0.2	2.2	13	0.5	0.38	508
3921.00		0.1	0.2	2.2	11	0.4	0.39	497
3921.50	S2887	0.0	0.3	3.0	10	0.3	0.12	
3924.00		0.1	0.2	2.3	9	0.3	0.35	526
3927.00	S2962	0.1	0.6	3.1	21	0.8	0.20	
3927.00		0.1	0.5	2.6	19	0.7	0.23	415
3930.00		0.1	0.3	2.8	11	0.5	0.35	504
3933.00		0.2	0.3	2.8	11	0.6	0.44	512
3936.00		0.1	0.3	3.1	11	0.5	0.33	487
3937.50	S2888	0.0	0.3	3.2	9	0.3	0.12	
3939.00		0.1	0.3	2.9	11	0.5	0.35	456
3942.00		0.2	0.3	3.0	13	0.6	0.36	494

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
3945.00		0.1	0.3	2.9	10	0.5	0.34	512
3948.00		0.1	0.1	2.0	9	0.3	0.40	506
3951.00	S2889	0.1	0.1	1.9	6	0.2	0.48	
3951.00		0.0	0.1	1.5	9	0.2	0.36	491
3954.00		0.0	0.2	1.8	15	0.4	0.22	558
3957.00	S2963	0.1	0.7	2.6	30	0.9	0.15	425
3957.00		0.1	0.1	1.5	8	0.2	0.48	391
3960.00		0.1	0.2	1.8	11	0.4	0.40	364
3963.00		0.0	0.2	1.1	18	0.3	0.28	481
3964.00	S2890	0.0	0.1	1.1	9	0.1	0.29	
3966.00		0.1	0.2	1.0	23	0.3	0.29	423
3969.00		0.0	0.1	0.7	16	0.2	0.40	371
3972.00		0.0	0.1	0.5	21	0.2	0.33	447
3975.00		0.1	0.2	0.3	69	0.4	0.31	390
3978.00		0.0	0.2	0.5	47	0.3	0.22	480
3981.00		0.0	0.1	0.4	24	0.2	0.33	480
3984.00		0.0	0.0	0.5	17	0.1	0.36	408
3987.00		0.0	0.0	0.7	10	0.2	0.53	331
3990.00		0.0	0.1	0.6	17	0.2	0.35	337
3993.00		0.0	0.0	0.4	12	0.1	0.45	337
3996.00		0.0	0.0	0.4	2	0.1	0.80	313
3999.00		0.0	0.0	0.3	0	0.0	1.00	400
4002.00		0.0	0.0	0.3	3	0.0	0.75	340
4005.00		0.0	0.0	0.5	2	0.0	0.67	338
4008.00		0.0	0.0	0.5	2	0.0	0.50	356
4011.00		0.0	0.0	0.4	2	0.0	0.75	411
4014.00		0.0	0.0	0.2	19	0.1	0.50	308
4017.00		0.0	0.0	0.6	3	0.0	0.50	340
4020.00		0.0	0.0	0.5	2	0.0	0.75	331
4023.00		0.0	0.0	0.1	21	0.1	0.20	340
4026.00		0.0	0.0	0.4	13	0.1	0.45	340
4029.00		0.0	0.0	0.5	11	0.1	0.33	393
4032.00		0.0	0.0	0.4	7	0.1	0.50	340
4035.00		0.0	0.0	0.3	6	0.1	0.60	409
4038.00		0.0	0.0	0.5	6	0.1	0.40	373
4041.00		0.0	0.0	0.5	12	0.1	0.40	425

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4044.00		0.0	0.0	0.4	9	0.1	0.43	372
4047.00	S2964	0.0	0.2	0.8	28	0.3	0.21	
4047.00		0.0	0.0	0.9	10	0.2	0.40	378
4050.00		0.0	0.0	0.6	8	0.1	0.44	373
4053.00		0.0	0.0	0.4	9	0.1	0.43	340
4056.00		0.0	0.0	0.6	6	0.1	0.33	423
4059.00		0.0	0.0	0.7	1	0.1	0.88	377
4062.00		0.1	0.0	0.5	6	0.2	0.80	416
4068.00		0.0	0.0	0.5	4	0.1	0.78	371
4071.00		0.0	0.0	0.3	8	0.1	0.57	339
4074.00		0.0	0.0	0.4	7	0.1	0.67	278
4077.00		0.0	0.0	0.3	16	0.1	0.45	337
4080.00		0.0	0.0	0.3	0	0.0	1.00	248
4083.00		0.0	0.0	0.2	0	0.0	1.00	249
4086.00		0.0	0.0	0.3	0	0.0	1.00	268
4089.00		0.0	0.0	0.3	5	0.1	0.60	321
4092.00		0.0	0.1	0.4	42	0.3	0.31	368
4095.00		0.0	0.1	0.3	30	0.1	0.23	322
4098.00		0.0	0.0	0.2	30	0.1	0.27	451
4101.00		0.0	0.0	0.1	0	0.0	1.00	261
4107.00		0.0	0.0	0.1	14	0.1	0.60	308
4113.00		0.0	0.0	0.2	0	0.0	1.00	261
4116.00		0.0	0.0	0.0	0	0.0	1.00	337
4119.00		0.0	0.0	0.0	150	0.1	0.57	
4125.00		0.0	0.0	0.0	50	0.0	0.67	
4128.00		0.0	0.0	0.0	0	0.0	1.00	
4131.00		0.0	0.0	0.0	0	0.1	0.43	
4137.00		0.1	0.0	0.1	37	0.2	0.61	
4139.00		0.0	0.0	0.0	0	0.1	0.40	
4139.90		0.0	0.0	0.0	67	0.0	0.33	
4140.00	S2912	0.0	0.0	0.0	75	0.1	0.40	
4140.20	S2913	0.0	0.0	0.1	0	0.0	1.00	
4140.80		0.0	0.0	0.0	0	0.0	1.00	
4143.50		0.0	0.0	0.4	0	0.0	1.00	
4144.40		0.0	0.0	0.0	100	0.0	0.67	
4145.00	S2914	0.0	0.0	0.1	0	0.0	1.00	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4145.00		0.0	0.0	0.0	0	0.0	1.00	
4145.27	S2915	0.0	0.0	0.1	0	0.0	1.00	
4145.92		0.0	0.1	0.0	1200	0.2	0.20	
4149.00		0.0	0.0	0.0	13	0.0	0.67	
4152.00		0.0	0.0	0.0	50	0.0	0.00	
4155.00		0.0	0.0	0.0	600	0.1	0.25	
4161.00		0.0	0.0	0.0	0	0.1	0.22	
4164.00		0.0	0.0	0.0	0	0.0	0.00	
4167.00		0.0	0.0	0.0	33	0.0	0.75	
4170.00		0.0	0.0	0.0	0	0.0	1.00	
4173.00		0.0	0.0	0.0	0	0.0	0.00	
4179.00		0.0	0.0	0.0	100	0.0	0.67	
4185.00		0.0	0.0	0.0	0	0.0	0.00	
4194.00		0.0	0.0	0.0	0	0.0	0.00	
4197.00		0.0	0.1	0.0	550	0.2	0.27	
4203.00		0.0	0.0	0.0	0	0.0	0.33	
4206.00		0.0	0.0	0.0	300	0.0	0.25	
4227.00		0.0	0.0	0.0	0	0.0	0.00	
4230.00		0.0	0.0	0.1	13	0.0	0.00	
4233.00		0.0	0.0	0.2	0	0.0	1.00	
4242.00		0.0	0.0	0.2	22	0.1	0.29	
4254.00		0.0	0.0	0.1	17	0.0	0.25	
4263.00		0.0	0.0	0.1	6	0.0	0.00	
4269.00		0.0	0.0	0.1	0	0.0	1.00	
4272.00		0.0	0.0	0.1	10	0.0	0.50	
4275.00		0.0	0.1	0.0	125	0.1	0.17	
4278.00		0.0	0.0	0.0	150	0.1	0.25	
4281.00		0.0	0.0	0.1	0	0.0	1.00	
4284.00		0.0	0.0	0.2	0	0.0	1.00	
4287.00		0.0	0.0	0.1	0	0.0	1.00	
4299.00		0.0	0.0	0.0	17	0.0	0.00	
4302.00		0.0	0.0	0.2	5	0.0	0.00	
4305.00		0.0	0.0	0.2	4	0.0	0.00	
4308.00		0.0	0.0	0.3	0	0.0	1.00	
4311.00		0.0	0.0	0.2	7	0.0	0.00	
4323.00		0.0	0.0	0.2	12	0.0	0.00	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4326.00		0.0	0.0	0.2	11	0.0	0.00	
4329.00		0.0	0.0	0.2	17	0.0	0.00	
4335.00		0.0	0.1	0.1	59	0.1	0.09	
4344.00		0.0	0.0	0.1	13	0.0	0.33	
4347.00		0.0	0.1	0.2	57	0.2	0.20	
4350.00		0.0	0.0	0.2	9	0.0	0.33	
4353.00		0.0	0.0	0.1	6	0.0	0.50	
4356.00		0.0	0.0	0.1	20	0.0	0.50	
4359.00		0.0	0.0	0.2	25	0.1	0.38	
4362.00		0.0	0.0	0.1	21	0.1	0.43	
4365.00		0.0	0.0	0.1	19	0.1	0.40	
4368.00		0.0	0.0	0.1	12	0.0	0.00	
4377.00		0.0	0.0	0.1	6	0.0	0.00	
4389.00		0.0	0.0	0.1	11	0.0	0.00	
4407.00	S2965	0.0	0.1	0.4	30	0.2	0.20	
4407.00		0.0	0.0	0.4	0	0.0	1.00	
4410.00		0.0	0.0	0.2	11	0.0	0.00	
4419.00		0.0	0.1	0.6	16	0.1	0.17	
4422.00		0.0	0.0	0.3	8	0.0	0.25	
4428.00		0.0	0.0	0.3	16	0.1	0.17	
4434.00		0.0	0.0	0.2	4	0.0	0.00	
4437.00		0.0	0.0	0.8	5	0.0	0.00	
4446.00		0.0	0.0	0.5	8	0.1	0.44	
4449.00		0.0	0.0	0.5	7	0.1	0.20	
4464.00		0.0	0.0	0.4	21	0.1	0.10	
4467.00		0.0	0.0	0.4	2	0.0	0.00	
4470.00		0.0	0.0	0.3	14	0.1	0.00	
4476.00		0.0	0.0	0.3	13	0.1	0.33	
4479.00		0.0	0.0	0.3	5	0.0	0.00	
4482.00		0.0	0.0	0.5	2	0.0	0.00	
4485.00		0.0	0.0	0.3	3	0.0	0.00	
4488.00		0.0	0.1	2.0	6	0.2	0.25	
4491.00		0.0	0.0	0.7	3	0.0	0.33	
4494.00		0.0	0.0	0.7	0	0.0	1.00	
4500.00		0.0	0.0	1.5	0	0.0	1.00	
4503.00		0.0	0.1	2.7	6	0.2	0.20	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4512.00		0.0	0.1	1.0	17	0.2	0.25	
4515.00		0.0	0.0	0.6	0	0.0	1.00	
4518.00		0.0	0.0	0.4	0	0.0	1.00	
4521.00		0.0	0.0	0.4	5	0.0	0.00	
4524.00		0.0	0.0	0.4	10	0.1	0.20	
4527.00		0.0	0.0	0.1	25	0.0	0.00	
4533.00		0.0	0.0	0.1	19	0.0	0.00	
4536.00		0.0	0.0	0.3	22	0.2	0.47	
4539.00		0.0	0.1	0.3	31	0.2	0.37	
4542.00		0.0	0.0	0.2	0	0.0	1.00	
4545.00		0.0	0.0	0.1	18	0.0	0.25	
4551.00		0.0	0.0	0.6	3	0.0	0.33	
4554.00		0.0	0.0	0.2	9	0.0	0.50	
4557.00	S2966	0.0	0.1	0.4	29	0.2	0.19	
4557.00		0.0	0.0	0.6	3	0.0	0.00	
4560.00		0.0	0.0	0.4	18	0.1	0.20	
4563.00		0.0	0.0	0.6	3	0.0	0.00	
4566.00		0.0	0.0	0.4	11	0.1	0.17	
4575.00		0.0	0.0	0.7	4	0.0	0.25	
4581.00		0.0	0.0	0.4	2	0.0	0.50	
4584.00		0.0	0.0	0.3	5	0.0	0.00	
4587.00		0.0	0.0	0.3	23	0.1	0.22	
4590.00		0.0	0.0	0.1	0	0.0	1.00	
4593.00	S2907	0.0	0.0	0.3	10	0.1	0.40	
4593.00		0.0	0.0	0.3	5	0.1	0.67	
4594.80		0.2	0.3	0.2	143	0.5	0.40	
4595.25	S2908	0.0	0.0	0.1	0	0.0	1.00	
4595.70		0.0	0.2	0.2	82	0.3	0.28	
4596.59		0.3	0.2	0.4	55	0.6	0.60	
4597.90		0.0	0.0	0.2	11	0.1	0.63	
4598.10	S2909	0.0	0.0	0.0	50	0.0	0.33	
4598.80		0.0	0.4	0.4	102	0.5	0.16	
4599.70		0.3	0.6	0.3	168	1.0	0.34	
4600.59		0.3	0.4	0.3	150	0.8	0.39	
4601.50		0.1	0.5	0.4	127	0.7	0.22	
4602.75	S2910	0.0	0.0	0.1	10	0.0	0.50	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4602.90		0.0	0.2	0.4	55	0.3	0.29	
4604.20		0.0	0.1	0.3	40	0.2	0.26	
4605.09		0.4	0.3	0.3	123	0.8	0.56	
4605.70		0.0	0.0	0.0	88	0.2	0.53	
4607.00		0.0	0.0	0.0	113	0.2	0.44	
4607.90		0.0	0.0	0.0	80	0.1	0.60	
4608.80		0.1	0.2	0.2	91	0.3	0.38	
4609.70		0.1	0.2	0.1	121	0.4	0.43	
4610.59		0.0	0.0	0.0	89	0.2	0.47	
4611.50		0.0	0.0	0.0	67	0.0	0.00	
4612.40		0.0	0.1	0.0	111	0.2	0.33	
4613.30		0.0	0.0	0.0	50	0.1	0.60	
4614.20		0.0	0.1	0.1	109	0.2	0.40	
4614.95		0.1	0.1	0.1	117	0.3	0.50	
4617.00		0.1	0.1	0.1	100	0.2	0.48	
4620.00		0.0	0.1	0.1	100	0.2	0.33	
4623.00		0.3	0.4	0.3	128	0.8	0.47	
4626.00		0.4	0.4	0.5	92	0.9	0.47	
4629.00		0.1	0.2	0.2	109	0.4	0.31	
4632.00		0.0	0.0	0.0	125	0.1	0.38	
4635.00		0.1	0.2	0.1	175	0.3	0.32	
4638.00		0.0	0.0	0.0	60	0.1	0.40	
4641.00		0.0	0.0	0.0	56	0.1	0.44	
4644.00		0.0	0.0	0.3	24	0.2	0.44	492
4647.00		0.0	0.2	3.7	7	0.3	0.22	470
4650.00		0.1	0.3	2.6	13	0.5	0.26	548
4653.00		0.0	0.1	1.8	9	0.3	0.32	460
4656.00		0.0	0.1	1.0	9	0.2	0.41	
4659.00		0.1	0.0	0.5	14	0.2	0.59	470
4662.00		0.0	0.0	0.3	8	0.1	0.70	
4665.00		0.0	0.0	0.4	21	0.1	0.25	
4668.00		0.0	0.1	0.2	39	0.2	0.31	
4671.00		0.0	0.1	0.4	44	0.2	0.25	
4674.00		0.0	0.0	0.3	30	0.1	0.18	
4677.00		0.0	0.1	0.3	53	0.2	0.16	529

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4680.00		0.0	0.2	0.3	71	0.3	0.20	511
4683.00		0.0	0.1	0.3	48	0.2	0.20	
4686.00		0.0	0.1	0.1	83	0.1	0.29	
4689.00		0.0	0.0	0.2	29	0.1	0.25	
4692.00		0.0	0.1	0.2	37	0.1	0.09	
4695.00		0.0	0.0	0.3	24	0.1	0.11	
4698.00		0.0	0.0	0.2	25	0.1	0.00	
4701.00		0.0	0.0	0.2	38	0.1	0.00	
4704.00		0.0	0.0	0.3	26	0.1	0.18	
4707.00		0.0	0.0	0.1	22	0.0	0.00	
4710.00		0.0	0.0	0.1	35	0.1	0.45	
4713.00		0.0	0.2	0.2	114	0.3	0.22	
4716.00		0.0	0.1	0.2	50	0.1	0.14	
4719.00		0.0	0.0	0.1	75	0.1	0.10	
4722.00		0.0	0.0	0.2	0	0.1	1.00	
4725.00		0.0	0.0	0.1	0	0.1	1.00	
4728.00		0.0	0.0	0.2	4	0.0	0.67	
4731.00		0.0	0.0	0.2	4	0.0	0.50	
4734.00		0.0	0.0	0.1	11	0.0	0.33	
4737.00		0.0	0.0	0.3	6	0.0	0.33	
4740.00		0.0	0.0	0.2	8	0.0	0.33	
4743.00		0.0	0.0	0.2	14	0.0	0.25	
4746.00		0.0	0.0	0.2	32	0.1	0.27	
4749.00		0.0	0.1	0.2	59	0.2	0.33	
4752.00		0.0	0.3	0.3	94	0.4	0.22	
4755.00		0.0	0.1	0.4	45	0.2	0.22	
4758.00		0.0	0.2	0.4	56	0.3	0.26	
4761.00		0.0	0.1	0.3	56	0.2	0.17	
4764.00		0.0	0.1	0.2	40	0.1	0.17	
4767.00		0.0	0.0	0.1	32	0.1	0.14	
4770.00		0.0	0.1	0.2	50	0.2	0.25	
4773.00		0.0	0.1	0.2	44	0.2	0.25	
4776.00		0.0	0.0	0.3	6	0.1	0.78	
4779.00		0.0	0.0	0.2	29	0.1	0.36	
4782.00		0.1	0.2	0.3	76	0.4	0.40	
4785.00		0.0	0.1	0.3	39	0.2	0.25	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4788.00		0.0	0.0	0.2	43	0.1	0.36	
4791.00		0.0	0.2	0.3	71	0.3	0.18	
4794.00		0.0	0.1	0.3	35	0.2	0.20	
4797.00	S2967	0.0	0.1	0.5	36	0.2	0.18	
4797.00		0.0	0.2	0.3	59	0.3	0.26	
4800.00		0.0	0.1	0.2	61	0.2	0.19	
4803.00		0.0	0.0	0.2	26	0.1	0.14	
4806.00		0.0	0.1	0.2	43	0.2	0.29	
4809.00		0.0	0.1	0.3	40	0.1	0.08	
4812.00		0.0	0.0	0.1	60	0.1	0.25	
4815.00		0.0	0.0	0.1	31	0.1	0.29	
4818.00		0.0	0.1	0.2	50	0.1	0.23	
4821.00		0.0	0.0	0.2	4	0.0	0.50	
4824.00		0.0	0.0	0.1	38	0.1	0.33	
4827.00		0.0	0.0	0.1	29	0.1	0.33	
4830.00		0.0	0.0	0.2	32	0.1	0.20	
4833.00		0.0	0.0	0.2	30	0.1	0.14	
4836.00		0.0	0.2	0.2	83	0.3	0.23	
4839.00		0.0	0.0	0.1	47	0.1	0.13	
4842.00		0.0	0.1	0.1	53	0.1	0.09	
4845.00		0.0	0.0	0.1	50	0.1	0.10	
4848.00		0.0	0.0	0.2	45	0.1	0.18	
4851.00		0.0	0.0	0.2	17	0.1	0.20	
4854.00		0.0	0.0	0.2	25	0.1	0.22	
4857.00		0.0	0.0	0.2	17	0.1	0.50	
4860.00		0.3	0.3	0.7	50	0.7	0.52	
4863.00		0.0	0.0	0.1	33	0.1	0.33	
4866.00		0.0	0.0	0.1	6	0.0	0.67	
4869.00		0.0	0.0	0.2	36	0.1	0.31	
4872.00		0.1	0.6	0.0	1100	0.8	0.15	
4875.00		0.0	0.1	0.2	95	0.2	0.21	
4878.00		0.0	0.2	0.4	61	0.4	0.20	
4881.00		0.0	0.0	0.2	0	0.0	1.00	
4884.00		0.0	0.1	0.3	47	0.2	0.22	
4887.00		0.0	0.0	0.1	50	0.1	0.00	
4890.00		0.0	0.0	0.1	0	0.0	1.00	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
4893.00		0.1	0.2	0.3	93	0.4	0.33	
4896.00		0.0	0.0	0.1	27	0.1	0.33	
4899.00		0.0	0.0	0.2	38	0.1	0.11	
4902.00		0.0	0.3	0.5	61	0.4	0.20	
4908.00		0.0	0.0	0.1	80	0.1	0.43	
4911.00		0.0	0.2	0.5	48	0.3	0.23	
4914.00		0.0	0.2	0.2	84	0.2	0.13	
4917.00		0.0	0.0	0.1	53	0.1	0.18	
4920.00		0.0	0.0	0.1	82	0.1	0.31	
4923.00		0.1	0.1	0.1	88	0.2	0.42	
4926.00		0.1	0.3	0.5	76	0.5	0.21	
4929.00		0.0	0.1	0.1	100	0.2	0.27	
4932.00		0.0	0.1	0.1	69	0.1	0.21	
4935.00		0.0	0.0	0.2	41	0.1	0.18	
4938.00		0.0	0.1	0.0	280	0.2	0.36	
4941.00		0.0	0.1	0.1	100	0.2	0.20	
4944.00		0.0	0.0	0.2	14	0.0	0.25	
4947.00	S2968	0.0	0.0	0.3	6	0.0	0.33	
4947.00		0.0	0.1	0.1	59	0.1	0.29	
4950.00		0.0	0.0	0.0	900	0.1	0.36	
4953.00		0.0	0.1	0.1	86	0.2	0.33	
4956.00		0.0	0.2	0.2	83	0.3	0.31	
4959.00		0.0	0.0	0.1	35	0.1	0.33	
4962.00		0.0	0.0	0.3	29	0.1	0.31	
4965.00		0.0	0.0	0.1	35	0.1	0.33	
4968.00		0.0	0.0	0.2	20	0.1	0.44	
4971.00		0.0	0.0	0.2	14	0.0	0.25	
4974.00		0.0	0.0	0.2	13	0.0	0.25	
4977.00		0.0	0.1	0.3	44	0.2	0.18	
4980.00		0.0	0.0	0.1	44	0.1	0.43	
4983.00		0.0	0.1	0.1	75	0.2	0.29	
4986.00		0.0	0.1	0.1	71	0.2	0.33	
4989.00		0.0	0.0	0.2	22	0.1	0.55	
4992.00		0.0	0.1	0.2	48	0.2	0.37	
4995.00		0.0	0.1	0.2	68	0.2	0.35	
4998.00		0.0	0.0	0.3	18	0.1	0.45	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
5001.00		0.0	0.0	0.2	21	0.1	0.45	
5004.00		0.0	0.0	0.2	41	0.2	0.47	
5007.00		0.1	0.1	0.2	45	0.2	0.55	
5010.00		0.0	0.0	0.1	22	0.1	0.56	
5013.00		0.0	0.1	0.2	60	0.2	0.25	
5016.00		0.0	0.1	0.0	1200	0.2	0.20	
5019.00		0.1	0.2	0.0	800	0.4	0.37	
5022.00		0.1	0.0	0.2	13	0.1	0.77	
5025.00		0.0	0.0	0.2	14	0.0	0.00	
5028.00		0.0	0.0	0.2	21	0.1	0.38	
5031.00		0.0	0.0	0.1	18	0.1	0.40	
5034.00		0.0	0.0	0.1	53	0.1	0.00	
5037.00	S2969	0.0	0.0	0.2	10	0.0	0.25	
5037.00		0.0	0.0	0.1	28	0.1	0.38	
5040.00		0.0	0.0	0.1	35	0.1	0.57	
5043.00		0.0	0.0	0.1	0	0.0	1.00	
5046.00		0.0	0.0	0.1	67	0.1	0.20	
5049.00		0.0	0.0	0.1	42	0.1	0.44	
5052.00		0.0	0.1	0.2	65	0.2	0.25	
5055.00		0.0	0.0	0.2	38	0.1	0.27	
5058.00		0.0	0.0	0.2	14	0.1	0.40	
5061.00		0.0	0.1	0.2	50	0.2	0.33	
5064.00		0.0	0.1	0.2	50	0.1	0.21	
5067.00		0.0	0.1	0.2	50	0.1	0.21	
5070.00		0.0	0.1	0.1	91	0.1	0.09	
5073.00		0.0	0.0	0.1	19	0.1	0.57	
5076.00		0.0	0.0	0.1	41	0.1	0.46	
5079.00		0.0	0.0	0.2	19	0.1	0.50	
5082.00		0.0	0.0	0.1	44	0.1	0.38	
5085.00		0.0	0.0	0.1	53	0.1	0.25	
5088.00		0.0	0.1	0.0	800	0.2	0.30	
5091.00		0.0	0.1	0.2	42	0.2	0.33	
5094.00		0.0	0.0	0.1	47	0.1	0.00	
5097.00		0.0	0.1	0.1	67	0.2	0.20	
5100.00		0.0	0.0	0.1	50	0.1	0.33	
5103.00		0.1	0.3	0.3	89	0.5	0.33	

TABLE 5. TABULATION OF PYROLYSIS DATA.

(Sample without sample no. are run on an OSA with a TOC module on the rig.)

DEPTH m KB	SAMPLE NO.	S1	S2	TOC	HI	PP	PI	TMAX
5106.00		0.1	0.4	0.3	129	0.6	0.23	
5109.00		0.2	0.3	0.3	103	0.6	0.44	
5112.00		0.0	0.1	0.2	57	0.2	0.37	
5115.00		0.0	0.0	0.1	26	0.1	0.55	
5118.00		0.0	0.1	0.2	79	0.2	0.21	
5121.00		0.0	0.2	0.1	132	0.3	0.22	
5124.00		0.1	0.4	0.5	85	0.6	0.27	
5127.00		0.0	0.0	0.2	25	0.1	0.40	
5130.00		0.0	0.1	0.1	100	0.2	0.29	
5133.00		0.0	0.0	0.1	90	0.1	0.10	
5136.00		0.0	0.1	0.1	140	0.2	0.18	
5139.00		0.1	0.3	0.3	77	0.4	0.29	
5142.00		0.0	0.1	0.2	67	0.2	0.18	
5145.00		0.0	0.0	0.2	36	0.1	0.33	
5148.00		0.0	0.1	0.2	64	0.2	0.24	
5151.00		0.0	0.0	0.2	30	0.1	0.00	
5154.00		0.0	0.1	0.2	46	0.2	0.31	
5157.00		0.0	0.1	0.2	40	0.1	0.23	
5160.00		0.0	0.1	0.2	46	0.2	0.27	
5163.00		0.0	0.0	0.3	10	0.1	0.50	
5169.00		0.0	0.0	0.2	26	0.1	0.33	
5172.00		0.0	0.2	0.2	82	0.3	0.15	
5175.00		0.0	0.1	0.1	86	0.2	0.20	
5178.00		0.0	0.1	0.1	100	0.2	0.27	
5181.00		0.0	0.1	0.2	68	0.2	0.19	
5184.00		0.0	0.1	0.2	46	0.1	0.21	
5187.00	S2970	0.0	0.1		0	0.2	0.25	
5187.00		0.1	0.2	0.3	85	0.4	0.30	
5190.00		0.0	0.1	0.4	29	0.1	0.08	
5193.00		0.0	0.1	0.2	90	0.3	0.28	
5196.00		0.0	0.1	0.2	50	0.2	0.25	

TABLE 6. CONCENTRATION OF EXTRACTABLE ORGANIC MATTER (EOM IN mg HC/kg rock) AND CHROMATOGRAPHIC FRACTIONS (%),WELL 7226/11-1.

				HYDROCARBONS			NON HYDROCARBONS		
DEPTH mRKB	SAMPLE NO.	ROCK (g)	EOM (mg/kg rock)	SAT EOM %	ARO EOM %	HC EOM %	ASPH EOM %	NSO EOM %	Non HC EOM %
1150.00	S3045	22.08	5969	10.07	25.18	35.25	38.26	26.49	64.75
1159.00	S3046	24.45	4495	9.81	23.43	33.24	39.84	26.92	66.76
1167.50	S2752	15.03	10725	5.50	27.13	32.63	45.17	22.20	67.37
1180.00	S3047	26.58	6418	6.20	25.90	32.10	44.30	23.61	67.90
1198.00	S2926	22.15	8032	6.76	27.71	34.47	39.60	25.92	65.53
1202.00	S2754	33.76	1431	55.07	19.36	74.42	16.07	9.50	25.58
1205.50	S2755	25.37	2128	60.71	21.90	82.61	8.22	9.16	17.39
1210.50	S2756	19.59	3486	61.39	19.68	81.07	5.48	13.45	18.93
1221.05	S2757	31.09	479						
1225.60	S2758	42.17	171						
1232.00	S2759	39.45	388						
1236.50	S2762	33.06	348						
1242.55	S2765	47.82	113						
1244.50	S2766	47.47	93						
1246.70	S2768	42.20	296						
1588.00	S2933A	2.19	63927	4.28	15.50	19.78	58.90	21.32	80.22
1887.00	S2936	80.73	700	26.86	25.57	52.43	22.00	25.43	47.43
2046.00	S3010	11.08	650						
2067.00	S2941	79.55	196	17.86	18.88	36.73	31.63	31.63	63.27
2140.54	S2771	20.05	3476	11.22	25.06	36.28	46.46	17.26	63.72

Cont. TABLE 6. CONCENTRATION OF EXTRACTABLE ORGANIC MATTER (EOM IN mg HC/kg rock) AND CHROMATOGRAPHIC FRACTIONS (%), WELL 7226/11-1.

				HYDROCARBONS			NON HYDROCARBONS		
DEPTH mRKB	SAMPLE NO.	ROCK (g)	EOM (mg/kg rock)	SAT EOM %	ARO EOM %	HC EOM %	ASPH EOM %	NSO EOM %	Non HC EOM %
2169.00	S3048	14.48	684						
2547.00	S2947	82.89	372	14.25	21.24	35.48	32.26	32.26	64.52
2763.00	S3049	31.74	1323	51.63	20.56	72.18	10.51	17.31	27.82
2868.00	S3050	33.04	1404	57.48	17.59	75.07	8.48	16.45	24.93
2915.00	S2879	19.20	3453	74.89	11.87	86.77	2.90	10.34	13.23
2919.00	S2880	19.41	1247	64.39	13.55	77.95	7.14	14.92	22.05
2919.00	S3051	31.00	1281	60.66	14.05	74.71	10.85	14.36	25.21
2931.00	S3052	27.59	457						
2944.50	S2883	14.75	1464	57.38	16.94	74.32	12.43	13.32	25.75
3891.50	S2886	25.35	264						
3927.00	S2962	40.41	757	13.61	12.95	26.55	26.29	47.16	73.45
3957.00	S2963	66.60	766	10.18	10.31	20.50	28.33	51.04	79.37

TABLE 7. CONCENTRATION OF EXTRACTABLE ORGANIC MATTER (EOM) AND CHROMATOGRAPHIC FRACTIONS IN PPM (mg HC/kg rock), WELL 7226/11-1

DEPTH	SAMPLE	TOT	HYDROCARBONS			NON HYDROCARBONS		
mRKB	NO.	EOM	SAT	ARO	TOT	ASPH	NSO	TOT
1150.00	S3045	5969	601	1503	2104	2284	1581	3865
1159.00	S3046	4495	441	1053	1494	1791	1210	3001
1167.50	S2752	10725	590	2910	3500	4844	2381	7225
1180.00	S3047	6418	398	1662	2060	2843	1515	4358
1198.00	S2926	8032	543	2226	2769	3181	2082	5263
1202.00	S2754	1431	788	277	1065	230	136	366
1205.50	S2755	2128	1292	466	1758	175	195	370
1210.50	S2756	3486	2140	686	2826	191	469	660
1221.05	S2757	479						
1225.60	S2758	171						
1232.00	S2759	388						
1236.50	S2762	348						
1242.55	S2765	113						
1244.50	S2766	93						
1246.70	S2768	296						
1588.00	S2933A	63927	2737	9906	12643	37656	13628	51284
1887.00	S2936	700	188	179	367	154	178	332
2046.00	S3010	650						
2067.00	S2941	196	35	37	72	62	62	124
2140.54	S2771	3476	390	871	1261	1615	600	2215
2169.00	S3048	684						
2547.00	S2947	372	53	79	132	120	120	240
2763.00	S3049	1323	683	272	955	139	229	368
2868.00	S3050	1404	807	247	1054	119	231	350
2915.00	S2879	3453	2586	410	2996	100	357	457
2919.00	S2880	1247	803	169	972	89	186	275
2919.00	S3051	1281	777	180	957	139	184	323
2931.00	S3052	457						
2944.50	S2883	1464	840	248	1088	182	195	377
3891.50	S2886	264						
3927.00	S2962	757	103	98	201	199	357	556
3957.00	S2963	766	78	79	157	217	391	608

TABLE 8. CONCENTRATION OF EXTRACTABLE ORGANIC MATTER AND CHROMATOGRAPHIC FRACTIONS (mg EOM/g TOC), WELL 7226/11-1.

DEPTH mRKB	SAMPLE NO.	TOC %	EOM	SAT	ARO	NSO	ASPH	SAT/ARO x 100	HC/Non HC x 100
1150.00	S3045	7.2	82.3	8.4	20.9	22.0	31.7	40.2	54.4
1159.00	S3046	5.6	80.3	7.9	18.8	21.6	32.0	41.9	49.8
1167.50	S2752	11.8	90.9	5.0	24.7	20.2	41.1	20.3	48.4
1180.00	S3047	7.6	84.5	5.2	21.9	19.9	37.4	23.9	47.3
1198.00	S2926	9.7	82.8	5.6	23.0	21.5	32.8	24.4	52.6
1202.00	S2754	NM						284.5	290.9
1205.50	S2755	NM						277.2	475.0
1210.50	S2756	NM						311.9	428.3
1221.05	S2757	NM							
1225.60	S2758	NM							
1232.00	S2759	NM							
1236.50	S2762	0.4	87.0						
1242.55	S2765	NM							
1244.50	S2766	NM							
1246.70	S2768	0.5	59.2						
1588.00	S2933A	70.3	90.9	3.9	14.1	19.4	53.6	27.6	24.7
1887.00	S2936	1.3	53.9	14.5	13.8	13.7	11.9	105.0	110.5
2046.00	S3010	0.6	108.3						
2067.00	S2941	0.9	21.8	3.9	4.1	6.9	6.9	94.6	58.1
2140.54	S2771	3.8	91.5	10.3	22.9	15.8	42.5	44.7	56.9

Cont. TABLE 8. CONCENTRATION OF EXTRACTABLE ORGANIC MATTER AND CHROMATOGRAPHIC FRACTIONS (mg EOM/g TOC), WELL 7226/11-1.

DEPTH mRKB	SAMPLE NO.	TOC %	EOM	SAT	ARO	NSO	ASPH	SAT/ARO x 100	HC/Non HC x 100
2169.00	S3048	0.9	76.0						
2547.00	S2947	0.5	74.4	10.6	15.8	24.0	24.0	67.1	55.0
2763.00	S3049	0.8	165.4	85.4	34.0	28.6	17.4	251.1	259.5
2868.00	S3050	0.7	200.6	115.3	35.3	33.0	17.0	326.8	301.1
2915.00	S2879	1.5	230.2	172.4	27.3	23.8	6.7	630.9	655.9
2919.00	S2880	0.3	415.7	267.7	56.3	62.0	29.7	475.2	353.5
2919.00	S3051	NM						431.7	296.4
2931.00	S3052	NM							
2944.50	S2883	0.1	1464.0	840.0	248.0	195.0	182.0	338.7	288.6
3891.50	S2886	2.2	12.0						
3927.00	S2962	3.1	24.4	3.3	3.2	11.5	6.4	105.1	36.2
3957.00	S2963	2.6	29.5	3.0	3.0	15.0	8.4	98.7	25.8

NM= No measurements

TABLE 9. TABULATION OF GAS CHROMATOGRAPHIC DATA, WELL 7226/11-1.

DEPTH mRKB	SAMPLE NO.	PRI / PHY	A= PRI / N-C17	B= PHY / N-C18	A / B	CPI1	CPI2
1150.00	S3045	2.33	4.21	2.15	1.96	1.05	1.00
1159.00	S3046	2.20	3.75	2.02	1.86	1.33	1.20
1167.50	S2752	1.42	4.26	2.54	1.68	1.45	1.42
1180.00	S3047	1.99	3.62	1.61	2.25	1.40	1.40
1198.00	S2926	2.45	3.95	2.04	1.94	0.5	
1202.00	S2754	1.62	0.62	0.41	1.51	1.14	0.94
1205.50	S2755	1.85	0.63	0.40	1.58	1.16	0.94
1210.50	S2756	1.82	0.61	0.41	1.49	1.13	1.00
1221.05	S2757	1.38	0.80	0.68	1.18		
1232.00	S2759	1.39	0.90	0.68	1.32		
1242.55	S2765	1.00	0.88	0.74	1.19		
1244.50	S2766	0.12	0.07	0.55	0.13		
1588.00	S2933A	4.08	2.40	0.42	5.71	2.18	2.22
1887.00	S2936	2.38	1.30	0.79	1.65	1.45	1.00
2046.00	S3010	3.75	0.53	0.17	3.12	1.07	0.80
2067.00	S2941	1.47	1.00	0.48	2.08	1.29	1.25
2140.54	S2771	2.88	1.11	0.35	3.17	1.14	1.16
2169.00	S3048	4.31	2.10	0.49	4.29	1.10	0.91
2547.00	S2947	1.79	1.03	0.49	2.10	1.26	1.24
2763.00	S3049	2.05	1.31	0.93	1.41		
2868.00	S3050	2.71	1.00	0.60	1.67		
2915.00	S2879	1.47	0.30	0.25	1.20	1.13	1.03
2919.00	S2880	1.26	0.40	0.32	1.25	1.21	1.06
2919.00	S3051	1.67	0.33	0.23	1.43	1.06	0.92
2919.00	S3051A	1.60	0.27	0.21	1.29	0.54	1.09
2931.00	S3052	1.74	0.31	0.21	1.48	1.11	0.80
2944.50	S2883	1.15	0.50	0.42	1.19	1.32	1.00
3891.50	S2886	1.83	3.08	1.41	2.18		
3927.00	S2962	1.03	0.73	0.48	1.52	1.83	1.71
3957.00	S2963	1.36	0.79	0.50	1.58	2.49	1.78

TABLE 10. TABULATION OF CARBON ISOTOPE DATA OF EOM AND FRACTIONS (IN δ^{13}C o/oo PDB), WELL 7226/11-1

DEPTH mRKB	SAMPLE NO.	EOM	SAT	ARO	NSO	ASP
1150.00	S3045	-30.6	-31.7	-31.0	-30.0	-30.0
1159.00	S3046	-30.7	-31.8	-31.2	-29.9	-29.9
1167.50	S2752	-28.2	-30.8	-29.3	-28.4	-27.8
1180.00	S3047	-28.3	-29.9	-28.7	-28.0	-27.6
1198.00	S2926	-27.9	-29.6	-28.3	-27.8	-27.0
1202.00	S2754	-27.8	-28.1	-28.0	-28.4	-27.8
*1202.00	S2754	(-28.3)	(-28.4)	(-28.1)	(-28.5)	(-28.1)
1205.50	S2755	-28.2	-28.2	-28.0	-29.1	-28.0
*1205.50	S2755	(-28.4)	(-28.4)	(-28.0)	(-28.5)	(-28.3)
1210.50	S2756	-27.0	-27.8	-27.5	-28.1	-27.6
*1210.50	S2756	(-28.3)	(-28.4)	(-28.1)	(-28.6)	(-28.1)
1588.00	S2933A	-25.1	-28.5	-26.1	-25.5	-24.6
1887.00	S2936	-29.6	-30.7	-29.8	-29.4	-28.9
2067.00	S2941	-27.9	-29.5	-28.2	-27.9	-27.9
2140.54	S2771	-27.2	-30.9	-27.0	-27.9	-27.3
2547.00	S2947	-29.0	-30.6	-29.2	-28.9	-28.1
2763.00	S3049	-31.2	-31.8	-30.6	-29.9	-29.6
2868.00	S3050	-29.1	-29.5	-28.4	-28.1	-28.2
2915.00	S2879	-27.6	-27.8	-27.1	-27.0	-28.1
2919.00	S2880	-27.9	-27.8	-27.1	-28.5	-28.3
2919.00	S3051	-27.6	-27.8	-27.4	-28.2	-28.4
2944.50	S2883	-27.8	-27.6	-27.4	-28.5	-28.1
3927.00	S2962	-26.6	-28.3	-26.9	-26.3	-26.0
3957.00	S2963	-26.8	-29.1	-27.1	-26.9	-26.2

* - Analysed 3 months earlier and reanalysed to check the repeatability.

TABLE 11. TABULATION OF TRITERPANES FROM ION m/z 191, WELL 7226/11-1.

DEPTH	SAMPLE NO.	Q	27A	27B	28A	29A	X	29B	30A	30B	31A	31B	32A	32B	33A	33B	34A	34B
1150.00	S3045	9	13	80	1	82	11	29	159	81	81	62	36	35	27	24	20	18
1167.50	S2752	10	4	135	1	117	9	38	142	60	73	53	35	26	19	14	11	8
1198.00	S2926	8	8	105	1	119	11	32	159	51	87	61	41	31	25	17	16	11
1202.00	S2754	49	22	19	14	43	7	10	51	8	12	12	6	5	3	2		
1205.00	S2755	49	24	19	16	43	7	11	53	7	11	11	6	5	4	2		
1210.50	S2756	50	28	23	19	54	9	12	69	12	15	16	8	7	4	2		
1588.00	S2933A	1	3	116	4	161	6	68	151	70	85	59	35	26	11	7	5	3
2140.54	S2771	5	22	66	6	99	29	9	158	15	48	36	27	17	12	7	6	4
2915.00	S2879	41	33	38	9	64	5	5	58	4	18	20	9	7	7	4		
2944.50	S2883	61	42	39	7	55	3	4	41	3	11	10	7	6	3	1		
3927.00	S2962	9	53	62	7	116	7	22	151	23	35	149	15	12	7	4	2	1.5

TABLE 12. TABULATION OF STERANES FROM ION m/z 217, WELL 7226/11-1.

DEPTH	SAMPLE NO.	29e	29f	29g	29h
1150.00	S3045	52	50	45	142
1167.50	S2752	44	27	35	65
1198.00	S2926	53	30	39	75
1202.00	S2754	10	19	14	21
1205.00	S2755	10	19	14	22
1210.50	S2756	12	22	16	26
1588.00	S2933A	98	46	57	147
2140.54	S2771	34	33	34	29
2915.00	S2879	20	23	22	15
2944.50	S2883	16	18	18	9
3927.00	S2962	49	42	45	45

TABLE 13. TABULATION OF STERANES FROM ION m/z 218, WELL 7226/11-1.

DEPTH	SAMPLE NO.	27f	27g	28f	28g	29f	29g
1150.00	S3045	73	91	70	53	60	64
1167.50	S2752	136	63	56	52	65	68
1198.00	S2926	138	72	50	51	75	82
1202.00	S2754	35	22	14	16	22	22
1205.00	S2755	38	24	18	19	26	26
1210.50	S2756	38	24	19	20	29	26
1588.00	S2933A	65	122	30	35	100	104
2140.54	S2771	133	33	49	58	114	111
2915.00	S2879	120	95	54	56	47	46
2944.50	S2883	134	95	50	47	42	37
3927.00	S2962	75	46	37	39	39	41

TABLE 14. MOLECULAR RATIOS FROM STERANE AND TERPANE MASS CHROMATOGRAMS. MATURITY AND SOURCE CHARACTERISTIC RATIOS.

DEPTH	SAMPLE NO.	Q/30A	27B/27A	X/30A	% 27 f+g	% 28 f+g	% 29 f+g
1150.00	S3045	0.06	6.15	0.07	39.9	29.9	30.2
1167.50	S2752	0.07	33.75	0.06	45.2	24.5	30.2
1198.00	S2926	0.05	13.13	0.07	44.9	21.6	33.5
1202.00	S2754	0.96	0.86	0.14	43.5	22.9	33.6
1205.00	S2755	0.92	0.79	0.13	41.1	24.5	34.4
1210.50	S2756	0.72	0.82	0.13	39.7	25.0	35.3
1588.00	S2933A	0.01	38.67	0.04	41.0	14.3	44.7
2140.54	S2771	0.03	3.00	0.18	33.3	21.5	45.2
2915.00	S2879	0.71	1.15	0.09	51.4	26.3	22.2
2944.50	S2883	1.49	0.93	0.07	56.5	24.0	19.5
3927.00	S2962	0.06	1.17	0.05	43.7	27.4	28.9

TABLE 15. MOLECULAR RATIOS FROM STERANE AND TERPANE MASS CHROMATOGRAMS. MATURITY RATIOS.

DEPTH	NO.	30A / 30A+30B	%22S	%ββ	%20S	Ttx
1150.00	S3045	66.25	50.70	32.87	26.80	27.50
1167.50	S2752	70.30	57.38	36.26	40.37	19.15
1198.00	S2926	75.71	56.94	35.03	41.41	25.58
1202.00	S2754	86.44	54.55	51.56	32.26	41.18
1205.00	S2755	88.33	54.55	50.77	31.25	38.89
1210.50	S2756	85.19	53.33	50.00	31.58	42.86
1588.00	S2933A	68.33	57.38	29.60	40.00	8.11
2140.54	S2771	91.33	61.36	51.54	53.97	76.32
2915.00	S2879	93.55	56.25	56.25	57.14	50.00
2944.50	S2883	93.18	53.85	59.02	64.00	42.86
3927.00	S2962	86.78	55.56	48.07	52.13	24.14

APPENDIX A

APPENDIX B

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SUMMARY

The gas components C_1-C_4 have been separated from a natural gas from well 7226/11-1, and the $\delta^{13}C$ values of these components have been measured. The isotopic composition of hydrogen from CH_4 has also been measured.

DISTRIBUTION

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APPROVED BY	Henning Qvale	1988-06-08	Henning Qvale

1. INTRODUCTION

One gas sample from well 7226/11-1, 239 m, was received and analysed May 1988.

On the sample C_1-C_4 and CO_2 are quantified, and the $\delta^{13}C$ value is measured on methane, ethane, propane and the butanes. The δD value is also measured on methane.
The sample did not contain enough CO_2 (< 0.01%) to do isotopic measurements.

2. ANALYTICAL PROCEDURE

The natural gas has been quantified and separated into the different gas components by a Carlo-Erba 4200 instrument. This gas chromatograph is equipped with a special injection loop in order to concentrate the samples, in the case of low concentration of the gas components. The hydrocarbon gas components were oxidized in separate CuO-ovens in order to prevent cross contamination. The combustion products CO_2 and H_2O were frozen into collection vessels and separated.

The water was reduced with zinc metal in a sealed tube to prepare hydrogen for isotopic analysis. The isotopic measurements were performed on a Finnigan Mat 251 and a Finnigan Mat delta mass spectrometer. Our $\delta^{13}C$ value on NBS 22 is -29.77 $\pm$ .06 o/oo PDB.

3. RESULTS

The volume composition of the sample is given in Table 1. The results have been normalized to 100%. The stable isotope results are given in Table 2.

Our uncertainty on the $\delta^{13}C$ value is estimated to be $\pm$ 0.3 o/oo and includes all the different analysis step. The uncertainty on the δD value is likewise estimated to be $\pm$ 5 o/oo.

Table 1 Volume composition of a gas sample from well 7226/11-1

Sample	IFE no.	C_1 %	C_2 %	C_3 %	i-C_4 %	n-C_4 %	CO_2 %	ΣC_1-C_4	$\frac{\Sigma C_2\text{-}C_4}{\Sigma C_1\text{-}C_4}$	$\frac{\text{i-}C_4}{\text{n-}C_4}$
239 m	7433	96.1	1.59	1.18	0.60	0.51	<0.01	100.0	0.05	1.18

Table 2 Isotopic composition of a gas sample from well 7226/11-1

Sample	IFE no.	C_1 $\delta^{13}C_{PDB}$	C_1 δD_{SMOW}	C_2 $\delta^{13}C_{PDB}$	C_3 $\delta^{13}C_{PDB}$	i-C_4 $\delta^{13}C_{PDB}$	n-C_4 $\delta^{13}C_{PDB}$
239 m	7433	-43.3	-165	-32.1	-29.7	-27.5	-28.7

* James, Alan T. (1983): Correlation of Natural Gas by Use of Carbon Isotopic Distributiuon between Hydrocarbon Components, AAPG, Vo. 67, No. 7, July 1983.

** Schoell, M. (1983): Genetic Characterization of Natural Gases, AAPG, Vol. 67, No. 12, December 1983.

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SUMMARY

The gas components C_1-C_4 and CO_2 have been separated from a natural gas from well 7226/11-1, and the $\delta^{13}C$ values of these components have been measured. The isotopic composition of hydrogen from CH_4 has also been measured.

DISTRIBUTION

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KEYWORDS

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1. INTRODUCTION

One gas sample from well 7226/11-1, DST 1; 2913-2926, 2935-2951 m was received and analysed June 1988.

On the sample C_1-C_4 and CO_2 are quantified, and the $\delta^{13}C$ value is measured on methane, ethane, propane, the butanes and CO_2. The δD value is also measured on methane.

2. ANALYTICAL PROCEDURE

The natural gas has been quantified and separated into the different gas components by a Carlo-Erba 4200 instrument. This gas chromatograph is equipped with a special injection loop in order to concentrate the samples, in the case of low concentration of the gas components. The hydrocarbon gas components were oxidized in separate CuO-ovens in order to prevent cross contamination. The combustion products CO_2 and H_2O were frozen into collection vessels and separated.

The water was reduced with zinc metal in a sealed tube to prepare hydrogen for isotopic analysis. The isotopic measurements were performed on a Finnigan Mat 251 and a Finnigan Mat delta mass spectrometer. Our $\delta^{13}C$ value on NBS 22 is -29.77 $\pm$ .06 o/oo PDB.

3. RESULTS

The volume composition of the sample is given in Table 1. The results have been normalized to 100%. The stable isotope results are given in Table 2.

Our uncertainty on the $\delta^{13}C$ value is estimated to be $\pm$ 0.3 o/oo and includes all the different analysis step. The uncertainty on the δD value is likewise estimated to be $\pm$ 5 o/oo.

Table 1 Volume composition of a gas sample from well 7226/11-1

Sample	IFE no.	C_1 %	C_2 %	C_3 %	i-C_4 %	n-C_4 %	CO_2 %	ΣC_1-C_4	$\frac{\Sigma C_2\text{-}C_4}{\Sigma C_1\text{-}C_4}$	$\frac{i\text{-}C_4}{n\text{-}C_4}$
DST 1 2913-2926, 2935-2951 m A15352	7456	93.9	4.0	1.2	0.34	0.34	0.27	99.7	0.06	1.0

Table 2 Isotopic composition of a gas sample from well 7226/11-1

Sample	IFE no.	C_1 $\delta^{13}C_{PDB}$	C_1 δD_{SMOW}	C_2 $\delta^{13}C_{PDB}$	C_3 $\delta^{13}C_{PDB}$	i-C_4 $\delta^{13}C_{PDB}$	n-C_4 $\delta^{13}C_{PDB}$	CO_2 $\delta^{13}C_{PDB}$	CO_2 $\delta^{18}O_{PDB}$
DST 1 2913-2926, 2935-2951 m A15352	7456	-42.7	-171	-34.4	-29.4	-26.6	-26.9	-20.1	-5.7

* James, Alan T. (1983): Correlation of Natural Gas by Use of Carbon Isotopic Distributiuon between Hydrocarbon Components, AAPG, Vo. 67, No. 7, July 1983.

** Schoell, M. (1983): Genetic Characterization of Natural Gases, AAPG, Vol. 67, No. 12, December 1983.