

DAILY MUD PROPERTIES

DATE	DEPTH	SP. GR. WT.	VIS SEC.	PV	M YP	GELS		PH BLACK STRIP	FLUID LOSS		CL CACL NACL MG/L	ALKALINITY		CA PPM	MG PPM	KCL LB/BBL	REPORT		BBL CEC	
						PASCALS 0	10		100PSI API	500PSI 2480F HT HP		PF	MF				% OIL	% SOL		
30.07	-	1.04	100+	20	34.2			11.5												
31.07	-	1.04	100+	20	34.2			11.4												
1.08	399	1.05	100+	20	34.2			11.5												
02.08	399	1.06	100+	20	30			10.8												
03.08	399	1.06	100+	20	25.6			11.0												
04.08	689	1.10	38	6	9.4	8	8	9.0												
05.08	959	1.10	35	7	7.7	6	6	8.0												
06.08	959	1.18	45	8	14.5	8	8	8.0												
07.08	959	1.20	68	9	13.7	18	18	9.0												
08.08	960	1.20	68	9	13.7	18	18	9.0												
09.08	960	1.25	65	17	12.0	2	3	9.8	8.5		55000	0.85	1.9	1200		38		8.5		
10.08	941.5	1.25	66	16	12.0	2	5	9.5	7.2		55000	1.6	3.8	1200		37		8.5		
11.08	1020	1.25	47	17	9.0	4	4	10.0	7.4		56000	1.05	1.8	440		37		9.0	2.5	
12.08	1394	1.25	54	17	10.7	6	8	9.6	6.2		48000	0.4	1.3	480		36		12.0	7.5	
13.08	1780	1.26	50	20	10.7	4	6	9.4	7.8		46000	0.2	0.6	720		34		12.5	13.0	
14.08	1906	1.36	57	30	9.9	5	10	9.6	6.8		49000	0.2	0.4	360		37		16.0	15.0	
15.08	2014	1.40	63	29	13.7	6	14	9.5	7.2		50000	0.2	0.6	240		35		16.5	16.5	
16.08	2014	1.39	47	20	10.3	2	3	9.4	7.5		47000	0.1	0.4	320		38		13.0	-	
17.08	2014	1.45	62	30	12.7	4	12	9.4	7.6		51000	0.15	0.4	320		34		17.5	16.5	
18.08	2014	1.45	76	27	11.1	3	10	9.3	6.4		49000	0.1	0.4	440		35		18.0	17.5	
19.08	2014	1.45	59	27	10.3	3	8	9.2	6.6		49000	0.1	0.35	440		35		18.0	17.5	
20.08	2014	1.45	58	24	8.9	3	8	9.4	6.1		49000	0.1	0.70	400		34		17.0	17.5	
21.08	2014	1.44	54	26	9.4	4	8	9.6	6.8		49000	0.1	0.45	400		35		18.0	17.0	
22.08	2022	1.45	60	25	7.3	4	8	11.7	7.5		44000	0.4	0.8	400		35		18.0	15.0	
23.08	2280	1.40	65	23	6.0	8	28	10.2	5.5		40000	0.1	0.4	500		-		17.5	18.0	
24.08	2500	1.35	50	16	5.1	5	22	10.9	5.0		35000	0.35	0.9	400		-		16.0	19.0	
25.08	2682	1.35	54	16	5.1	4	16	11.0	5.0		33000	0.3	0.9	300		--		16.5	18.0	
26.08	2720	1.35	57	17	5.1	4	4	10.6	5.0		27000	0.2	0.8	320		-		17.0	19.0	

DAILY MUD PROPERTIES

TABLE B-5
WELL 33/5

DATE	DEPTH	SP. GR. WT.	VIS	PV	M YP	GELS		PH	FLUID LOSS		CL CACL NACL MG/L	ALKALINITY		CA PPM	MG PPM	KCL LB/BBL	REPORT		BBL CEC
			SEC.			PASCALS 0 10	BLACK STRIP		100PSI API	500PSI 2480F HT HP		PF	MF				% OIL	% SOL	
27.08	2870	1.35	52	18	5.1	4	14	10.6	5.0	14.0	24000	0.2	0.7	320				16.5	18.5
28.08	2957	1.35	53	16	4.7	4	14	10.7	5.5	15.5	23000	0.2	0.7	300				17.0	19.0
29.08	2987	1.35	53	16	5.1	4	12	10.2	5.0	16.0	22000	0.1	0.6	300				16.0	19.0
30.08	3099	1.35	54	17	5.5	4	18	10.7	5.0	16.0	21000	0.2	0.85	320				16.5	18.5
31.08	3176	1.35	51	17	6.0	4	20	10.7	5.5	14.6	21000	0.2	0.8	320				17.0	18.0
01.09	3234	1.35	50	17	5.5	4	16	10.6	5.2	15.6	20000	0.25	0.8	250				17.0	19.0
02.09	3324	1.35	52	19	6.8	2	11	10.5	5.2	16.5	19000	0.15	0.9	280				17.0	19.0
03.09	3417	1.35	50	20	6.0	4	15	10.6	5.5	16.0	19000	0.4	0.9	240				18.0	17.5
04.09	3488	1.35	53	18	5.5	4	14	10.5	5.3	15.6	18000	0.45	0.9	120				17.0	19.0
05.09	3577	1.37	53	21	6.8	4	10	10.6	4.8	12.5	17000	0.5	1.1	120				16.0	17.5
06.09	3638	1.42	56	22	8.5	4	12	10.2	4.4	14.7	17000	0.4	1.1	120				16.0	17.0
07.09	3665	1.42	56	20	9.0	4	12	10.5	4.4	14.5	17000	0.3	1.0	140				16.0	17.0
08.09	3665	1.42	56	20	9.0	4	12	10.4	4.5	14.7	17000	0.3	1.0	140				16.0	17.0
09.09	3665	1.42	58	20	8.5	4	12	10.1	5.0	15.2	17000	0.25	0.9	140				16.0	17.0
10.09	3665	1.50	61	24	7.7	3	11	10.3	4.5	14.8	16000	0.5	1.7	120				17.5	17.5
11.09	3651	1.51	71	24	7.7	4	10	10.0	4.6	-	16000	0.4	1.8	120				18.0	17.5
12.09	3651	1.51	70	25	7.3	4	10	9.8	4.6	-	16000	0.3	1.8	120				18.0	17.5
13.09	3669	1.50	56	23	5.1	3	8	11.2	5.6	16.5	16000	0.45	2.4	160				18.0	17.5
14.09	3724	1.50	55	24	6.4	3	30	10.5	5.4	22.0	16000	0.3	1.8	180				19.0	17.5
15.09	3756	1.50	55	24	6.8	4	36	10.7	5.8	24.0	16000	0.2	1.7	240				19.0	17.5
16.09	3814	1.50	54	20	5.5	2	11	11.4	5.0	19.0	16000	0.45	1.5	240				18.0	17.5
17.09	3860	1.50	60	20	5.5	4	20	11.2	5.7	19.0	16000	0.3	1.1	280				18.0	21.0
18.09	3893	1.50	62	20	6.0	4	18	10.2	4.2	14.0	16000	0.3	0.9	320				18.0	20.0
19.09	3955	1.50	58	20	5.5	4	8	10.8	4.2	14.0	17000	0.4	1.2	240				18.0	18.0
20.09	3955	1.56	57	23	5.1	4	10	10.7	4.2	13.8	15000	0.3	1.0	240				19.0	17.5
21.09	3990	1.65	59	30	6.0	6	18	10.7	4.2	14.0	15000	0.2	0.9	240				22.0	21.0
22.09	4050	1.65	59	22	4.7	4	16	10.8	4.1	14.2	12000	0.5	1.3	240				23.0	20.0
		1.65	61	24	5.1	4	14	10.7	4.1	14.2	13000	0.5	1.2	200				23.0	18.0

DAILY MUD PROPERTIES

TABLE B-5
WELL

DATE	DEPTH	SP.GR. WT.	VIS SEC.	PV	M YP	GELS		PH BLACK STRIP	FLUID LOSS		CL CACL NACL MG/1	ALKALINITY			CA PPM	RETORT		KCL LB/BBL	BBL CEC
						PASCALS 0	10		100PSI API	500PSI 248°F HP HP		PF	PM	MF		% OIL	% SOL		
24.09	4087.5	1.65	60	24	4.7	4	10	10.7	4.0	14.0	13 000	0.4		1.0	200		22.0		19.0
25.09	4100.5	1.65	62	23	4.7	4	10	10.8	3.9	13.9	13 000	0.4		1.3	240		23.0		17.5
26.09	4108	1.70	60	31	6.0	6	18	10.8	3.9	13.9	13 000	0.5		1.3	200		24.0		17.5
27.09	4137	1.70	55	25	5.1	4	14	10.7	3.9	14.0	13 000	0.3		0.9	240		24.0		17.5
28.09	4137	1.70	54	24	5.1	4	10	10.3	4.0	14.3	13 000	0.3		0.9	240		24.0		17.5
29.09	4177	1.70	58	27	5.1	6	16	10.4	4.0	14.0	13 000	0.35		0.9	200		24.0		17.5
30.09	4215	1.70	57	27	6.6	6	16	10.8	3.9	14.2	13 000	0.5		1.3	240		24.0		17.5
01.10	4235	1.70	64	27	6.0	6	16	10.4	3.8	13.8	13 000	0.3		0.9	280		24.0		16.5
02.10	4259	1.75	56	24	5.1	3	10	10.4	4.0	14.0	13 000	0.3		1.0	280		24.0		16.5
03.10	4278	1.78	66	25	6.0	4	12	10.4	4.3	15.3	13 000	0.3		1.1	280		24.0		16.5
04.10	4278	1.78	62	25	5.1	4	10	10.2	4.2	14.8	13 000	0.25		1.0	280		24.0		16.0
05.10	4278	1.78	63	25	5.1	4	10	10.5	4.3	15.0	13 000	0.3		1.1	280		26.0		16.0
06.10	4278	1.78	59	24	4.7	3	10	10.5	4.4	15.1	13 000	0.3		1.1	240		26.0		16.0
07.10	4278	1.80	65	26	5.1	4	10	10.2	4.4	15.0	13 000	0.2		1.0	240		27.0		16.5
08.10	4278	1.80	63	25	4.3	3	10	10.1	4.7	15.5	13 000	0.2		1.1	180		27.0		16.0
09.10	4278	1.80	78	28	5.1	4	25	10.5	5.5	17.5	21 000	0.4		1.4	160		27.0		16.0
10.10	4278	1.80	72	28	5.1	4	30	11.3	5.7	15.5	32 000	0.4		1.65	240		27.0	10	15.5
11.10	4278	1.80	64	26	5.1	3	26	11.6	5.3	18.3	32 000	0.45		1.50	200		27.0	10	15.5
12.10	4278	1.80	70	27	6.4	5	29	10.6	5.9	18.7	31 000	0.4		2.1	240		27.0	10	16.0
13.10	4278	1.80	55	26	4.7	3	29	11.6	5.4	18.2	31 000	0.4		2.2	480		27.0	10	16.0
14.10	4278	1.80	76	25	4.7	3	24	11.2	5.4	18.5	31 000	0.3		2.0	440		27.0	10	16.0
15.10	4261	1.80	62	22	5.1	3	20	10.8	6.3	20.0	31 000	0.3		1.8	440		27.0	10	15.5
16.10	4261	1.80	60	23	5.1	4	18	10.9	6.0	19.5	31 000	0.3		1.7	440		27.0	10	15.0
17.10	4261	1.80	55	22	5.1	4	14	10.7	6.0	19.5	31 000	0.3		1.6	440		27.0	10	15.0
18.10	4261	1.79	53	20	4.7	4	0	10.7	6.0	19.5	31 000	0.3		1.5	440		27.0	10	15.0
19.10	4261	1.79	50	21	3.4	4	8	10.8	6.0	19.5	31 000	0.3		1.4	440		27.0	10	15.0
20.10	4261	1.79	50	21	3.4	4	8	10.7	5.9	19.5	31 000	0.3		1.4	440		27.0	10	15.0
21.10	4261	1.80	52	20	4.7	4	10	10.7	6.0	19.5	31 000	0.3		1.4	440		27.0	10	15.0

DATE T.D.:

6.3 MUD REPORT

36" hole, 30" casing

The 36" hole was drilled down to 396 m using seawater and spotting high viscosity pills to clean the hole. Materials used in this section were Bentonite, Caustic Soda and Soda Ash. Lost Barite through the surge tank vent line.

26" hole, 20" casing

The riser was run before the 17 1/2" pilot hole was drilled. The pilot hole was drilled to 960 m using spud mud with seawater and flushing the hole with high viscosity pills every 2nd connections. The hole was underreamed to 26" after the logs had been run. Prior to running the 20" casing, a wipertrip was made with a 26" bit, and tight hole was experienced from 440 m to 959 m and had to be reamed. The hole was flushed with 27 m³ at high viscosity mud, which was followed by 155 m³ at 1.20 rd mud before the 20" casing were run and cemented. Material used was, Bentonite, Caustic, Soda Ash and Barite.

17 1/2" hole, 13 3/8" casing

The 17 1/2" hole was drilled down to 2014 m using a 40 ppg KCL/Polymer mud system. The mud weight was increased from 1.25 rd to 1.56 rd at 1782 m due to swabbing. Drilled to 1811 m, but it was necessary to ream each joint. A wipertrip was made with 18 kN overpull. Drilled to 1906 m were another wipertrip was made with 18 kn overpull in the new hole. Extensive reaming was necessary when running back in. Drilled to TD of the 17 1/2" hole, 2014 m. A wiper trip was made with similar results.

The mud weight was increased to 1.45 rd before running casing. The 13 3/8" casing was run but became stuck at 1645 m, to free the casing, a Mil free fluid was used.

Material used were: KCL, Caustic Soda, Soda Ash, X-C Polymer, Ancopol, Drispac, Barite, Mil Free, Sodium Bicarbonate and Kcl Brine.

12 1/4" hole, 9 5/8" casing

The mud weight was decreased gradually from 1.45 rd to 1.35 rd from 2020 m to 2714 m. At the same time the KCL/Polymer mud system was depleted to a ligno type mud system. Drilling proceeded without problems down to 3122 m, but when running in with a new bit, it was necessary to ream a bridge at 2907 m to 2920 m. Changed from a rock bit to a turbine at 3234 m, which drilled down to 3665, which was the TD for the 12 1/4" hole. The mud weight was raised towards the end of this section to reduce the problem with tight hole during tripping, and to help logging. It was necessary to ream the final 165 m after the logs had been run, and the mud weight was increased to 1.50 rd. A wipertrip was made before the casing was ran and cemented. Materials used were: Barite, Caustic Soda, CMC, Lignosulfonate, X-C polymer, Drispac, Bentonite, Lignite, KCL, Soda Ash, LF-5, Sodium Bicarbonate, Ancopol.

8 3/8" hole, 7" liner

The 8 3/8" hole was drilled down to 3955 m, while treating the mud extensively for carbonates. When continuing to drill further down, tight hole was encountered and 100 m was reamed from 3688 m to 3788 m. Whilst drilling ahead to 4053 m. the mud weight was increased to 1.65 rd., Thereafter, 3 cores were cut down to 4100.5 m. Whilst running in with a new bit, considerable reaming was necessary, and the mud weight was raised to 1.70 rd. Drilled to 4230 m. Whilst pulling out, considerable tight hole was encountered between 3837 m to 4046 m. An attempt to log failed, and when running in hole, more tight hole was evident and 33 m of fill was washed out. Hence, the mud weight was increased to 1.75 rd. and at 4276, raised to 1.80 rd. Drilling resumed to 4278 m, but partial losses to formation required a drop in mud weight to 1.78 rd. after LCM pills failed to fully resolve the problem. However, losses still occurred above 40 SPM. Another attempt to log failed due to tight hole. A drift assembly was then run, resulting in extensive reaming from 3713 m to 3903 m, and the mud weight was increased to 1.80 rd. without losses at 45 spm. It was necessary to run slim hole logs through drill

pipe, and 15 ppb KCL and Soltex was added to help stabilize the tight hole section. During reaming the KCL content and the chlorides were lowered with water, and this seemed to help. Logging took place after severe problems with the Schlumberger equipment were solved. A wipertrip was made before the 7" liner was run and cemented. Materials used: Barite, CMC, Lignosulphonate, Lignite, Drispac, Caustic Soda, Lime, Bentonite, XC polymer, Soltex, KCL, LCM.

6" hole

The 6" hole was drilled down to 4341 m. During this time attention was paid to reducing the HTHP fluid loss with Wyoming bentonite. The 6" hole was drilled to 4440 m during which time the mud weight was dropped from 1.80 rd. to 1.77 rd.

Drilling proceeded to 4471 m where partial lost circulation was encountered. The losses were stopped at a reduced circulating rate and LCM was added until full circulation was regained. Drilled to 4495 m where more lost circulation problems were encountered. The above process was repeated until full circulation was regained and drilling was continued to 4520 m, final depth of the hole. The well was plugged and abandoned. Materials used: Barite, Bentonite, Lignosulphonate, Lignite, Soltex XL-polymer, Drispac, CMC, Caustic Soda, Soda Ash, Sodium bicarbonate, KCL, LCM.

6.4 Cement report

The amounts of cement and cement additives are theoretical and do not include losses during transportation and losses on the rig.

GEOCHEMICAL ANALYSES REPORT
WELL NOCS 33/5-2

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INTRODUCTION

Samples were collected between 1720 m and 4520 m from the Norwegian Petroleum Directorate in Stavanger. A total of 170 samples was collected, washed (only the cuttings samples) and described. The analysed section of the well is from 1720 m to 4520 m with a sampling interval of 5 m for the cuttings samples in the Jurassic and Triassic sections, 25 to 30 m in the Cretaceous section and a variable sampling interval for the core chip samples. A careful selection of suitable samples was made for screening analysis (i.e. TOC and Rock-Eval analysis). Seventy-four samples were selected for this analysis, and from the data obtained samples were chosen for follow-up analyses. These were:

Thermal extraction - pyrolysis - gas chromatography	16 samples
Extraction, MPLC fractionation, saturated and aromatic hydrocarbon gas chromatography	9 samples
Vitrinite reflectance microscopy	18 samples
Visual kerogen analysis	12 samples
Isotope analysis of C15+ fractions	4 samples
Gas chromatography - mass spectrometry	4 samples

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1720.00						0526
	0.37		90	Sh/Clst: lt ol gy, calc		0526-1L
			10	Ca : brn gy		0526-2L
			tr	S/Sst : w, l		0526-3L
1750.00						0527
			90	Sh/Clst: lt ol gy, calc		0527-1L
			10	Ca : brn gy		0527-2L
			tr	S/Sst : w, l		0527-3L
1780.00						0528
			90	Sh/Clst: lt ol gy, calc		0528-1L
			10	Ca : brn gy		0528-2L
			tr	S/Sst : w, l		0528-3L
1810.00						0529
			95	Sh/Clst: lt ol gy, calc		0529-1L
			5	Ca : brn gy		0529-2L
1840.00						0530
			95	Sh/Clst: lt ol gy, calc		0530-1L
			5	Ca : brn gy		0530-2L
1870.00						0531
	0.40		95	Sh/Clst: lt ol gy, calc		0531-1L
			5	Ca : brn gy		0531-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
1900.00						0532	
		100	Sh/Clst: lt ol gy, calc				0532-1L
1930.00						0533	
		100	Sh/Clst: lt ol gy, calc				0533-1L
1960.00						0534	
		100	Sh/Clst: lt ol gy, calc				0534-1L
1990.00						0535	
		100	Sh/Clst: lt ol gy, calc				0535-1L
2020.00						0536	
	0.77	100	Sh/Clst: lt ol gy, calc, slt				0536-1L
2050.00						0537	
		100	Sh/Clst: lt ol gy, calc, slt				0537-1L
2080.00						0538	
		100	Sh/Clst: lt ol gy, calc, slt				0538-1L
2110.00						0539	
		100	Sh/Clst: lt ol gy, calc, slt				0539-1L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2140.00		100	Sh/Clst:	lt ol gy to ol gy, calc		0540
			tr Ca	: w		0540-1L 0540-2L
2170.00		100	Sh/Clst:	lt ol gy to ol gy, calc		0541
	0.50		tr Ca	: w		0541-1L 0541-2L
2200.00		100	Sh/Clst:	lt ol gy to ol gy, calc		0542
			tr Ca	: w		0542-1L 0542-2L
2230.00		100	Sh/Clst:	lt ol gy to ol gy, calc		0543
						0543-1L
2260.00		100	Sh/Clst:	lt ol gy to ol gy, calc		0544
						0544-1L
2295.00		100	Sh/Clst:	lt ol gy to ol gy, calc		0545
						0545-1L
2320.00		100	Sh/Clst:	ol gy to m gy, calc, slt		0546
	0.97		tr Cont	: prp		0546-1L 0546-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2350.00						0547
			100	Sh/Clst: ol gy to m gy, calc, slt		0547-1L
				tr Cont : prp		0547-2L
2380.00						0548
			100	Sh/Clst: ol gy to m gy, calc, slt		0548-1L
				tr Cont : prp		0548-2L
2410.00						0549
			100	Sh/Clst: ol gy to m gy, calc, slt		0549-1L
				tr Cont : prp		0549-2L
2440.00						0550
			100	Sh/Clst: ol gy to m gy, calc, slt		0550-1L
				tr Cont : prp		0550-2L
2470.00						0551
	1.11		100	Sh/Clst: ol gy to m gy, calc, slt		0551-1L
				tr Cont : prp		0551-2L
2500.00						0552
			100	Sh/Clst: ol gy to m gy, calc, slt		0552-1L
				tr Cont : prp		0552-2L
				tr Ca : drk y brn to dsk y brn		0552-3L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2530.00						0553	
		100	Sh/Clst: ol gy to m gy, calc, slt			0553-1L	
			tr Cont : prp			0553-2L	
			tr Ca : drk y brn to dsk y brn			0553-3L	
2560.00						0554	
		100	Sh/Clst: ol gy to m gy, calc, slt			0554-1L	
			tr Cont : prp			0554-2L	
			tr Ca : drk y brn to dsk y brn			0554-3L	
2590.00						0555	
		100	Sh/Clst: ol gy to m gy, calc, slt			0555-1L	
			tr Cont : prp			0555-2L	
			tr Ca : drk y brn to dsk y brn			0555-3L	
2620.00						0556	
	1.16	100	Sh/Clst: ol gy to m gy, calc, slt			0556-1L	
			tr Cont : prp			0556-2L	
			tr Ca : drk y brn to dsk y brn			0556-3L	
2650.00						0557	
		100	Sh/Clst: ol gy to m gy, calc, slt			0557-1L	
			tr Cont : prp			0557-2L	
			tr Ca : drk y brn to dsk y brn			0557-3L	
2680.00						0558	
		100	Sh/Clst: ol gy to m gy, calc, slt			0558-1L	
			tr Cont : prp			0558-2L	
			tr Ca : drk y brn to dsk y brn			0558-3L	

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2705.00						0559
			100	Sh/Clst: ol gy to m gy, calc, slt		0559-1L
				tr Cont : prp		0559-2L
				tr Ca : drk y brn to dsk y brn		0559-3L
2740.00						0560
			100	Sh/Clst: ol gy to m gy, calc, slt		0560-1L
				tr Cont : prp		0560-2L
				tr Ca : drk y brn to dsk y brn		0560-3L
2770.00						0561
	0.94		100	Sh/Clst: lt ol gy to ol gy, calc		0561-1L
				tr Cont : prp		0561-2L
2800.00						0562
			100	Sh/Clst: lt ol gy to ol gy, calc		0562-1L
				tr Cont : prp		0562-2L
2830.00						0563
			100	Sh/Clst: lt ol gy to ol gy, calc		0563-1L
				tr Cont : prp		0563-2L
2860.00						0564
			100	Sh/Clst: lt ol gy to ol gy to m drk gy,		0564-1L
				calc		
				tr Cont : prp		0564-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2890.00						0565
			100	Sh/Clst: lt ol gy to ol gy to m drk gy, calc		0565-1L
			tr Cont	: prp		0565-2L
2920.00						0566
	0.96		100	Sh/Clst: lt ol gy to ol gy to m drk gy, calc		0566-1L
			tr Cont	: prp		0566-2L
2950.00						0567
			100	Sh/Clst: lt ol gy to ol gy to m drk gy, calc		0567-1L
			tr Cont	: prp		0567-2L
2980.00						0568
			100	Sh/Clst: lt ol gy to ol gy, calc		0568-1L
			tr Cont	: prp		0568-2L
3010.00						0569
			100	Sh/Clst: lt ol gy to ol gy, calc		0569-1L
			tr Cont	: prp		0569-2L
3040.00						0570
			100	Sh/Clst: lt ol gy to ol gy, calc		0570-1L
			tr Cont	: prp		0570-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3070.00						0571
	0.74	100	Sh/Clst: lt ol gy to ol gy, calc tr Cont : prp			0571-1L 0571-2L
3100.00						0572
		100	Sh/Clst: lt ol gy to ol gy, calc tr Cont : prp			0572-1L 0572-2L
3130.00						0573
		100	Sh/Clst: lt ol gy to ol gy, calc tr Cont : prp			0573-1L 0573-2L
3160.00						0574
		100	Sh/Clst: lt ol gy to ol gy, calc tr Cont : prp			0574-1L 0574-2L
3190.00						0575
		100	Sh/Clst: lt ol gy to ol gy, calc tr Cont : prp			0575-1L 0575-2L
3220.00						0576
	1.08	100	Sh/Clst: lt ol gy to ol gy, calc tr Cont : prp			0576-1L 0576-2L
3250.00						0577
		100	Sh/Clst: ol gy to m drk gy tr Cont : prp			0577-1L 0577-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3280.00						0578
		100	Sh/Clst: ol gy to m drk gy			0578-1L
			tr Cont : prp			0578-2L
3310.00						0579
		100	Sh/Clst: ol gy to m drk gy			0579-1L
			tr Cont : prp			0579-2L
3325.00						0580
	5.44	45	Sh/Clst: gy blk, mic			0580-1L
		45	Sh/Clst: m drk gy to drk gy			0580-2L
		10	Cont : prp			0580-3L
3340.00						0581
		100	Sh/Clst: ol gy to drk gy			0581-1L
			tr Cont : Coal-ad, prp			0581-2L
3370.00						0582
	0.40	100	Sh/Clst: ol gy to drk gy			0582-1L
			tr Cont : Coal-ad, prp			0582-2L
3400.00						0583
		100	Sh/Clst: ol gy to drk gy			0583-1L
			tr Cont : Coal-ad, prp			0583-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3430.00						0584
			100	Sh/Clst: ol gy to m drk gy		0584-1L
				tr Cont : prp		0584-2L
3460.00						0585
			100	Sh/Clst: ol gy to m drk gy		0585-1L
				tr Cont : prp		0585-2L
3490.00						0586
			100	Sh/Clst: ol gy to drk gy		0586-1L
				tr Cont : prp		0586-2L
3520.00						0587
	0.69		100	Sh/Clst: ol gy to drk gy to gy blk		0587-1L
				tr Cont : prp		0587-2L
3548.00						0588
			100	Sh/Clst: ol gy to drk gy to gy blk		0588-1L
				tr Cont : prp		0588-2L
3580.00						0589
			100	Sh/Clst: ol gy to drk gy		0589-1L
				tr Cont : prp		0589-2L
3610.00						0590
			100	Sh/Clst: ol gy to drk gy		0590-1L
				tr Cont : prp		0590-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3640.00						0591
			100	Sh/Clst: ol gy to drk gy tr Cont : prp		0591-1L 0591-2L
3670.00						0592
		0.66	100	Sh/Clst: ol gy to drk gy tr Cont : prp		0592-1L 0592-2L
3695.00						0593
			90	Sh/Clst: ol gy to drk gy		0593-1L
			10	Cont : prp, dd		0593-2L
3900.00						0594
		1.01	80	Sh/Clst: ol gy to drk gy		0594-1L
			10	Cont : prp, dd		0594-2L
			10	Ca : lt gy, red brn		0594-3L
3907.00						0595
	cvd		50	Sh/Clst: ol gy to drk gy		0595-1L
		4.25	40	Sh/Clst: brn blk, carb		0595-3L
			10	Cont : prp, dd		0595-2L
3912.00						0596
		4.39	50	Sh/Clst: brn blk, carb		0596-3L
	cvd		40	Sh/Clst: ol gy to drk gy		0596-1L
			10	Cont : prp, dd		0596-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3920.00						0597
	cvd	5.02	50	Sh/Clst: brn blk, carb		0597-3L
			40	Sh/Clst: ol gy to drk gy		0597-1L
			10	Cont : prp, dd		0597-2L
3932.00						0598
	cvd	5.22	40	Sh/Clst: brn blk		0598-3L
			35	Sh/Clst: ol gy to drk gy		0598-1L
			25	Cont : Coal-ad, prp		0598-2L
3937.00						0599
	cvd	6.33	40	Sh/Clst: brn blk		0599-3L
			35	Sh/Clst: ol gy to drk gy		0599-1L
			25	Cont : Coal-ad, prp		0599-2L
3945.00						0600
	cvd	6.55	50	Sh/Clst: brn blk		0600-3L
			25	Sh/Clst: ol gy to drk gy		0600-1L
			25	Cont : Coal-ad, prp		0600-2L
3952.00						0601
	cvd	6.42	75	Sh/Clst: gy blk to brn blk		0601-3L
			15	Cont : Coal-ad, prp		0601-2L
			10	Sh/Clst: ol gy to drk gy		0601-1L
3957.00						0602
	cvd	1.08	80	Sh/Clst: ol gy to drk gy		0602-1L
			20	Sh/Clst: gy blk to brn blk		0602-3L
			tr	Cont : Coal-ad, prp		0602-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3962.00						0603
	cvd	3.92	60	Sh/Clst: gy blk to brn blk		0603-3L
			40	Sh/Clst: ol gy to drk gy		0603-1L
			tr	Cont : Coal-ad, prp		0603-2L
3970.00						0604
	cvd	4.12	70	Sh/Clst: gy blk to brn blk		0604-3L
			30	Sh/Clst: ol gy to drk gy		0604-1L
			tr	Cont : Coal-ad, prp		0604-2L
3975.00						0605
	cvd	4.78	70	Sh/Clst: gy blk to brn blk		0605-3L
			30	Sh/Clst: ol gy to drk gy		0605-1L
			tr	Cont : Coal-ad, prp		0605-2L
3982.00						0606
	cvd	4.80	80	Sh/Clst: gy blk to brn blk		0606-3L
			20	Sh/Clst: ol gy to drk gy		0606-1L
			tr	Cont : Coal-ad, prp		0606-2L
3987.00						0607
	cvd	5.40	90	Sh/Clst: gy blk to brn blk		0607-3L
			10	Sh/Clst: ol gy to drk gy		0607-1L
			tr	Cont : Coal-ad, prp		0607-2L
3995.00						0608
	cvd	3.44	90	Sh/Clst: gy blk		0608-3L
			10	Sh/Clst: ol gy to drk gy		0608-1L
			tr	Cont : Coal-ad, prp		0608-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4000.00						0609
	cvd	3.05	70	Sh/Clst: gy blk		0609-3L
			30	Sh/Clst: lt ol gy to ol gy to drk gy		0609-1L
			tr	Cont : Coal-ad, prp		0609-2L
4007.00						0610
	cvd		50	Sh/Clst: lt ol gy to ol gy to drk gy		0610-1L
		4.70	50	Sh/Clst: gy blk		0610-3L
			tr	Cont : Coal-ad, prp		0610-2L
4012.00						0611
	cvd		60	Sh/Clst: lt ol gy to ol gy to drk gy		0611-1L
		4.11	40	Sh/Clst: gy blk		0611-3L
			tr	Cont : Coal-ad, prp		0611-2L
4020.00						0612
	cvd		60	Sh/Clst: lt ol gy to ol gy to drk gy		0612-1L
			40	Sh/Clst: gy blk		0612-3L
			tr	Cont : Coal-ad, prp		0612-2L
4025.00						0613
	cvd		60	Sh/Clst: lt ol gy to ol gy to drk gy		0613-1L
		3.67	40	Sh/Clst: gy blk		0613-3L
			tr	Cont : Coal-ad, prp		0613-2L
4032.00						0614
	cvd		40	Sh/Clst: gy blk		0614-3L
			30	Sh/Clst: lt ol gy to ol gy to drk gy		0614-1L
			30	Cont : Coal-ad		0614-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4037.00						0615
	cvd			40 Sh/Clst: gy blk 30 Sh/Clst: lt ol gy to ol gy to drk gy 30 Cont : Coal-ad		0615-3L 0615-1L 0615-2L
4045.00						0616
	cvd	3.70		60 Sh/Clst: lt ol gy to ol gy to drk gy 40 Sh/Clst: gy blk to drk gy, mic tr Cont : Coal-ad		0616-1L 0616-3L 0616-2L
4050.00						0617
	cvd	2.91		70 Sh/Clst: lt ol gy to ol gy to drk gy 30 Sh/Clst: gy blk to drk gy, mic tr Cont : Coal-ad		0617-1L 0617-3L 0617-2L
4057.00						0618
	cvd			70 Sh/Clst: lt ol gy to ol gy to drk gy		0618-1L
	cvd			10 Sh/Clst: gy blk to drk gy, mic		0618-2L
				10 Sh/Clst: dsk y brn, wx		0618-4L
	cvd			5 Sh/Clst: red brn		0618-3L
				5 Cont : prp		0618-5L
4062.00						0619
	cvd			70 Sh/Clst: lt ol gy to ol gy to drk gy		0619-1L
	cvd			10 Sh/Clst: gy blk to drk gy, mic		0619-2L
				10 Sh/Clst: dsk y brn, wx		0619-4L
	cvd			5 Sh/Clst: red brn		0619-3L
				5 Cont : prp		0619-5L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4067.00						0620
	cvd	1.67	70	Sh/Clst: lt ol gy to ol gy to drk gy		0620-1L
			10	Sh/Clst: dsk y brn, wx		0620-4L
			10	Cont : prp		0620-5L
	cvd		5	Sh/Clst: gy blk to drk gy, mic		0620-2L
	cvd		5	Sh/Clst: red brn		0620-3L
4073.50	ccp					0695
		0.66	100	S/Sst : lt gy, calc		0695-1L
4075.00						0621
	cvd		70	Sh/Clst: lt ol gy to ol gy to drk gy		0621-1L
	cvd		10	Sh/Clst: gy blk to brn blk, mic		0621-2L
	cvd		10	Sh/Clst: red brn		0621-3L
			5	S/Sst : lt gy		0621-4L
			5	Cont : prp		0621-5L
4079.60	ccp					0696
		0.05	100	S/Sst : lt gy, calc		0696-1L
4080.00						0622
	cvd		80	Sh/Clst: lt ol gy to ol gy to drk gy		0622-1L
	cvd		10	Sh/Clst: gy blk to brn blk, mic		0622-2L
	cvd		10	Sh/Clst: red brn		0622-3L
			tr	S/Sst : lt gy		0622-4L
4083.50	ccp					0697
		0.10	100	S/Sst : w to lt gy, calc		0697-1L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4085.00						0623
	cvd		85	Sh/Clst: lt ol gy to ol gy to drk gy		0623-1L
	cvd		10	Sh/Clst: gy blk to brn blk, mic		0623-2L
	cvd		5	Sh/Clst: red brn		0623-3L
				tr S/Sst : w to lt gy		0623-4L
				tr Cont : prp		0623-5L
4089.70	ccp					0698
		0.14	100	Sltst : lt gy to m gy, s, mic		0698-1L
4092.00						0624
	cvd		85	Sh/Clst: lt ol gy to ol gy to drk gy		0624-1L
	cvd		10	Sh/Clst: red brn		0624-3L
	cvd		5	Sh/Clst: gy blk to brn blk, mic		0624-2L
				tr Cont : prp		0624-4L
4095.70	ccp					0699
		0.11	100	Sltst : lt gy to m gy, s, mic		0699-1L
4097.00						0625
	cvd		80	Sh/Clst: lt ol gy to ol gy to drk gy		0625-1L
	cvd		10	Sh/Clst: red brn		0625-3L
			10	Cont : Coal-ad		0625-4L
	cvd			tr Sh/Clst: gy blk to brn blk, mic		0625-2L
				tr Cont : prp		0625-5L
4099.50	ccp					0700
		0.14	100	S/Sst : lt gy, calc		0700-1L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4105.00						0626
	cvd		80	Sh/Clst: ol gy to drk gy		0626-1L
	cvd		10	Sh/Clst: gy blk to brn blk, mic		0626-2L
	cvd		10	Sh/Clst: red brn		0626-3L
			tr	S/Sst : lt gy		0626-4L
			tr	Cont : Coal-ad, prp		0626-5L
4110.00						0627
	cvd	0.73	80	Sh/Clst: ol gy to drk gy		0627-1L
	cvd		10	Sh/Clst: gy blk to brn blk, mic		0627-2L
	cvd		5	Sh/Clst: red brn		0627-3L
			5	S/Sst : lt gy		0627-4L
			tr	Cont : Coal-ad, prp		0627-5L
4117.00						0628
	cvd		80	Sh/Clst: ol gy to drk gy		0628-1L
	cvd		10	Sh/Clst: gy blk to brn blk, mic		0628-2L
	cvd		10	Sh/Clst: red brn		0628-3L
			tr	S/Sst : lt gy		0628-4L
			tr	Cont : Coal-ad, prp		0628-5L
4122.00						0629
	cvd		70	Sh/Clst: ol gy to drk gy		0629-1L
	cvd		20	Cont : Coal-ad		0629-5L
	cvd		5	Sh/Clst: gy blk to brn blk, mic		0629-2L
	cvd		5	Sh/Clst: red brn		0629-3L
			tr	S/Sst : lt gy		0629-4L
4130.00						0630
	cvd	0.60	80	Sh/Clst: ol gy to drk gy		0630-1L
	cvd		10	Sh/Clst: gy blk to brn blk, mic		0630-2L
	cvd		10	Sh/Clst: red brn		0630-3L
			tr	S/Sst : lt gy		0630-4L
			tr	Cont : prp		0630-5L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4135.00						0631
	cvd			80 Sh/Clst: ol gy to drk gy		0631-1L
	cvd			10 Sh/Clst: gy blk to brn blk, mic		0631-2L
				10 Sh/Clst: red brn		0631-3L
				tr S/Sst : lt gy		0631-4L
				tr Cont : prp		0631-5L
4142.00						0632
	cvd	0.68		80 Sh/Clst: ol gy to drk gy		0632-1L
	cvd			10 Sh/Clst: gy blk to brn blk, mic		0632-2L
				10 Sh/Clst: red brn		0632-3L
				tr S/Sst : lt gy		0632-4L
				tr Cont : prp		0632-5L
4147.00						0633
	cvd			80 Sh/Clst: ol gy to drk gy		0633-1L
	cvd			10 Sh/Clst: red brn		0633-3L
				5 Sh/Clst: gy blk to brn blk, mic		0633-2L
				5 Cont : prp		0633-5L
				tr S/Sst : lt gy		0633-4L
4152.00						0647
	cvd	0.65		75 Sh/Clst: ol gy to drk gy		0647-1L
	cvd			10 Cont : prp		0647-5L
				5 Sh/Clst: gy blk to brn blk, mic		0647-2L
				5 Sh/Clst: red brn		0647-3L
				5 S/Sst : lt gy		0647-4L
4160.00						0648
				40 Cont : blk, Coal-ad		0648-1L
				40 S/Sst : w		0648-2L
				20 Sh/Clst: ol gy to drk gy		0648-3L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4165.00						0634
		0.10	65	Sh/Clst: drk gy to m drk gy		0634-3L
			30	S/Sst : w to lt brn gy, calc, st, cem		0634-2L
			5	Cont : blk, Coal-ad		0634-1L
4172.00						0635
			80	Sh/Clst: drk gy to m drk gy		0635-3L
			15	S/Sst : w to lt brn gy, calc, st, cem		0635-2L
			5	Sh/Clst: red brn		0635-4L
			tr	Cont : blk, Coal-ad		0635-1L
4177.00						0636
	cvd		90	Sh/Clst: drk gy to m drk gy		0636-2L
	cvd		5	S/Sst : w to lt brn gy, calc, st, cem		0636-1L
			5	Sh/Clst: red brn		0636-3L
4185.00						0637
	cvd	1.88	75	Sh/Clst: drk gy to m drk gy		0637-2L
	cvd		20	Sh/Clst: gy blk, mic		0637-4L
			5	Sh/Clst: red brn		0637-3L
			tr	S/Sst : w to lt brn gy, calc, st, cem		0637-1L
4190.00						0638
	cvd	2.50	65	Sh/Clst: drk gy to m drk gy		0638-2L
	cvd		30	Sh/Clst: gy blk, mic		0638-4L
			5	Sh/Clst: red brn		0638-3L
			tr	S/Sst : w to lt brn gy, calc, st, cem		0638-1L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4197.00						0639
		0.87	75	Sh/Clst: drk gy to m drk gy		0639-2L
			20	Sh/Clst: gy blk, mic		0639-4L
	cvd		5	Sh/Clst: red brn		0639-3L
	cvd		tr	S/Sst : w to lt brn gy, calc, st, cem		0639-1L
4202.00						0640
		0.92	75	Sh/Clst: drk gy to m drk gy		0640-2L
			20	Sh/Clst: gy blk to drk gy, mic		0640-4L
	cvd		5	Sh/Clst: red brn		0640-3L
	cvd		tr	S/Sst : w to lt brn gy, calc, st, cem		0640-1L
4210.00						0641
		2.77	60	Sh/Clst: drk gy to m drk gy		0641-2L
			20	Sh/Clst: gy blk to drk gy, mic		0641-4L
			20	Cont : blk, Coal-ad		0641-5L
	cvd		tr	S/Sst : w to lt brn gy, calc, st, cem		0641-1L
	cvd		tr	Sh/Clst: red brn		0641-3L
4215.00						0642
		0.68	75	Sh/Clst: drk gy to m drk gy		0642-2L
			15	Sh/Clst: gy blk to drk gy, mic		0642-4L
			10	Cont : blk, Coal-ad		0642-5L
	cvd		tr	S/Sst : w to lt brn gy, calc, st, cem		0642-1L
	cvd		tr	Sh/Clst: red brn		0642-3L
4222.00						0643
		2.69	70	Sh/Clst: drk gy to m drk gy		0643-1L
			30	Sh/Clst: gy blk to drk gy, mic		0643-3L
	cvd		tr	Sh/Clst: red brn		0643-2L
			tr	Cont : blk, Coal-ad		0643-4L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4227.00						0644
	cvd			50 S/Sst : w to lt brn gy 30 Sh/Clst: drk gy to m drk gy 20 Sh/Clst: gy blk to drk gy, mic tr Sh/Clst: red brn		0644-4L 0644-1L 0644-3L 0644-2L
4235.00						0645
	cvd	0.33		65 S/Sst : w to lt brn gy 20 Sh/Clst: drk gy to m drk gy 15 Sh/Clst: gy blk to drk gy tr Sh/Clst: red brn		0645-4L 0645-1L 0645-3L 0645-2L
4240.00						0646
	cvd	0.77		60 Sh/Clst: drk gy to m drk gy 20 Sh/Clst: gy blk to drk gy 20 S/Sst : w to lt brn gy tr Sh/Clst: red brn		0646-1L 0646-3L 0646-4L 0646-2L
4247.00						0649
	cvd			60 Sh/Clst: drk gy to m drk gy 20 Sh/Clst: gy blk to drk gy 20 S/Sst : w to lt brn gy tr Sh/Clst: red brn		0649-1L 0649-3L 0649-4L 0649-2L
4252.00						0650
	cvd	2.27		40 Sh/Clst: drk gy to m drk gy 30 Sh/Clst: gy blk to drk gy 30 S/Sst : w to lt brn gy tr Sh/Clst: red brn		0650-1L 0650-3L 0650-4L 0650-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4260.00						0651
	1.89		40	Sh/Clst: drk gy to m drk gy		0651-1L
			30	Sh/Clst: gy blk to drk gy		0651-3L
			30	S/Sst : w to lt brn gy		0651-4L
	cvd		tr	Sh/Clst: red brn		0651-2L
4262.00						0652
			90	Sltst : lt brn gy, mic		0652-5L
			10	Cont : prp		0652-6L
			tr	Sh/Clst: drk gy to m drk gy		0652-1L
	cvd		tr	Sh/Clst: red brn		0652-2L
			tr	Sh/Clst: gy blk to drk gy		0652-3L
			tr	S/Sst : w to lt brn gy		0652-4L
4265.00						0653
	2.03		50	Sh/Clst: drk gy to m drk gy		0653-1L
			30	Sh/Clst: gy blk to drk gy		0653-3L
			20	S/Sst : w to lt brn gy		0653-4L
	cvd		tr	Sh/Clst: red brn		0653-2L
			tr	Cont : blk, Coal-ad		0653-5L
4270.00						0654
	0.61		75	Sh/Clst: drk gy to m drk gy		0654-1L
			20	Sh/Clst: gy blk to drk gy		0654-3L
			5	S/Sst : w to lt brn gy		0654-4L
	cvd		tr	Sh/Clst: red brn		0654-2L
4277.00						0655
			50	Cont : blk, Coal-ad		0655-4L
			35	Sh/Clst: drk gy to m drk gy		0655-1L
			10	Sh/Clst: gy blk to drk gy		0655-2L
			5	S/Sst : w to lt brn gy		0655-3L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4282.00						0656
				60 Cont : blk, cem		0656-4L
				25 Sh/Clst: drk gy to m drk gy		0656-1L
				10 Cont : prp		0656-5L
				5 Sh/Clst: gy blk to drk gy		0656-2L
				tr S/Sst : w to lt brn gy		0656-3L
4290.00						0657
	0.78			45 Sh/Clst: drk gy to m drk gy		0657-1L
				40 Cont : cem		0657-4L
				10 Cont : prp		0657-5L
				5 Sh/Clst: gy blk to drk gy		0657-2L
				tr S/Sst : w to lt brn gy		0657-3L
4295.00						0658
				50 Cont : cem		0658-4L
				30 Sh/Clst: drk gy to m drk gy		0658-1L
				20 Cont : prp		0658-5L
				tr Sh/Clst: gy blk to drk gy		0658-2L
				tr S/Sst : w to lt brn gy		0658-3L
4300.00						0659
				60 Cont : cem		0659-4L
				20 Sh/Clst: drk gy to m drk gy		0659-1L
				20 Cont : prp		0659-5L
				tr Sh/Clst: gy blk to drk gy		0659-2L
				tr S/Sst : w to lt brn gy		0659-3L
4307.00						0660
				60 Cont : cem		0660-4L
				20 Sh/Clst: drk gy to m drk gy		0660-1L
				20 Cont : prp		0660-5L
				tr Sh/Clst: gy blk to drk gy		0660-2L
				tr S/Sst : w to lt brn gy		0660-3L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4312.00						0661
	1.23	50	Sh/Clst:	m gy to gy blk, mic		0661-1L
		30	Cont	: prp		0661-3L
		20	Cont	: cem		0661-2L
4320.00						0662
	1.48	60	Sh/Clst:	m gy to gy blk, mic		0662-1L
		30	Cont	: prp		0662-3L
		10	Cont	: cem		0662-2L
4325.00						0663
	1.54	75	Sh/Clst:	m gy to gy blk, mic		0663-1L
		20	Cont	: prp		0663-3L
		5	Cont	: cem		0663-2L
4332.00						0664
		80	Cont	: blk, Coal-ad		0664-2L
		10	Sh/Clst:	m gy to gy blk, mic		0664-1L
		10	Cont	: prp		0664-3L
4337.00						0665
		80	Cont	: blk, Coal-ad		0665-2L
		10	Sh/Clst:	m gy to gy blk, mic		0665-1L
		10	Cont	: prp		0665-3L
4345.00						0666
	1.43	80	Sltst	: lt brn gy		0666-1L
		10	Cont	: blk, Coal-ad		0666-2L
		10	Cont	: prp, glauc		0666-3L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
4350.00						0667	
		80	Sltst	:	lt brn gy	0667-1L	
		10	Cont	:	blk, Coal-ad	0667-2L	
		10	Cont	:	prp, glauc	0667-3L	
4357.00						0668	
	0.91	80	Sltst	:	lt brn gy to brn gy to m drk gy	0668-1L	
		15	Cont	:	prp, glauc	0668-3L	
		5	Cont	:	blk, Coal-ad	0668-2L	
4370.00						0669	
		80	Sltst	:	lt brn gy to brn gy to m drk gy	0669-1L	
		15	Cont	:	prp, glauc	0669-3L	
		5	Cont	:	blk, Coal-ad	0669-2L	
4375.00						0670	
	1.24	80	Sltst	:	lt brn gy to brn gy to m drk gy	0670-1L	
		15	Cont	:	prp, glauc	0670-3L	
		5	Cont	:	blk, Coal-ad	0670-2L	
4382.00						0671	
		80	Sltst	:	lt brn gy to brn gy to m drk gy	0671-1L	
		15	Cont	:	prp, glauc	0671-3L	
		5	Cont	:	blk, Coal-ad	0671-2L	
4387.00						0672	
	1.16	90	Sltst	:	lt brn gy to brn gy to m drk gy	0672-1L	
		10	Cont	:	prp, glauc	0672-3L	
		tr	Cont	:	blk, Coal-ad	0672-2L	

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4395.00						0673
			50	Sltst	: lt brn gy to brn gy to m drk gy, st	0673-1L
			40	Cont	: blk, Coal-ad	0673-2L
			10	Cont	: prp, glauc	0673-3L
4400.00						0674
			60	Cont	: blk, Coal-ad	0674-2L
			30	Sltst	: lt brn gy to brn gy to m drk gy, st	0674-1L
			10	Cont	: prp, ns, dd	0674-3L
4407.00						0675
			60	S/Sst	: w to y gy, st	0675-4L
			30	Cont	: blk, Coal-ad	0675-2L
			10	Cont	: prp	0675-3L
			tr	Sltst	: lt brn gy to brn gy to m drk gy	0675-1L
4412.00						0676
			60	S/Sst	: w to y gy, st	0676-4L
			20	Sltst	: lt brn gy to brn gy to m drk gy	0676-1L
			10	Cont	: blk, Coal-ad	0676-2L
			10	Cont	: prp	0676-3L
4420.00						0677
	0.10		70	S/Sst	: w to y gy, st	0677-4L
			10	Sltst	: lt brn gy to brn gy to m drk gy	0677-1L
			10	Cont	: prp	0677-3L
			10	Ca	: w	0677-5L
			tr	Cont	: blk, Coal-ad	0677-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4425.00						0678
				55 S/Sst : w to y gy, st		0678-4L
				20 Ca : w		0678-5L
				10 Sltst : lt brn gy to brn gy to m drk gy		0678-1L
				10 Cont : prp		0678-3L
				5 Cont : blk, Coal-ad		0678-2L
4432.00						0679
				55 S/Sst : w to y gy, st		0679-4L
				20 Ca : w		0679-5L
				10 Sltst : lt brn gy to brn gy to m drk gy		0679-1L
				10 Cont : prp		0679-3L
				5 Cont : blk, Coal-ad		0679-2L
4437.00						0680
	0.06			75 S/Sst : w to y gy, st		0680-4L
				10 Cont : prp		0680-3L
				10 Ca : w		0680-5L
				5 Sltst : lt brn gy to brn gy to m drk gy		0680-1L
				tr Cont : blk, Coal-ad		0680-2L
4445.00						0681
				60 Cont : blk, Coal-ad		0681-2L
				35 S/Sst : w to y gy, st		0681-4L
				5 Cont : prp		0681-3L
				tr Sltst : lt brn gy to brn gy to m drk gy		0681-1L
				tr Ca : w		0681-5L
4450.00						0682
				60 Cont : blk, Coal-ad		0682-2L
				35 S/Sst : w to y gy, st		0682-4L
				5 Cont : prp		0682-3L
				tr Sltst : lt brn gy to brn gy to m drk gy		0682-1L
				tr Ca : w		0682-5L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
4457.00						0683
		50	Cont	: blk, Coal-ad		0683-2L
		45	S/Sst	: w to y gy, st		0683-4L
		5	Cont	: prp		0683-3L
		tr	Sltst	: lt brn gy to brn gy to m drk gy		0683-1L
		tr	Ca	: w		0683-5L
4462.00						0684
		50	Cont	: blk, Coal-ad		0684-2L
		45	S/Sst	: w to y gy, st		0684-4L
		5	Cont	: prp		0684-3L
		tr	Sltst	: lt brn gy to brn gy to m drk gy		0684-1L
		tr	Ca	: w		0684-5L
4470.00						0685
	0.11	60	S/Sst	: w to y gy, st		0685-4L
		25	Cont	: blk, Coal-ad		0685-2L
		10	Ca	: w		0685-5L
		5	Cont	: prp		0685-3L
		tr	Sltst	: lt brn gy to brn gy to m drk gy		0685-1L
4475.00						0686
		95	Cont	: ns		0686-1L
		5	S/Sst	: w to y gy, st		0686-2L
4482.00						0687
		95	Cont	: ns		0687-1L
		5	S/Sst	: w to y gy, st		0687-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4487.00						0688
			50	Cont : ns		0688-1L
			40	S/Sst : w to y gy, st		0688-2L
			10	Ca : w, sil		0688-3L
4492.00						0689
	0.04		70	S/Sst : w to y gy		0689-2L
			20	Cont : ns		0689-1L
			10	Ca : w, sil		0689-3L
4497.00						0690
			95	Cont : ns		0690-1L
			5	S/Sst : w to y gy		0690-2L
			tr	Ca : w, sil		0690-3L
4505.00						0691
			95	Cont : ns		0691-1L
			5	S/Sst : w to y gy		0691-2L
			tr	Ca : w, sil		0691-3L
4510.00						0692
			45	Cont : ns		0692-1L
			45	Sh/Clst: red brn		0692-3L
			10	S/Sst : w to lt gy		0692-2L
4515.00						0693
			45	Cont : ns		0693-1L
			45	Sh/Clst: red brn		0693-3L
			10	S/Sst : w to lt gy		0693-2L

Table 1 : Lithology description for well NOCS 33/5-2

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
4520.00						0694	
	0.25	45	Sh/Clst: red brn			0694-3L	
		25	Cont : ns			0694-1L	
		20	Cont : prp			0694-4L	
		10	S/Sst : w to lt gy			0694-2L	

Table 2 : Rock-Eval table for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1720.00	cut	Sh/Clst: lt ol gy	0.05	0.08	1.36	0.06	0.37	22	368	0.1	0.38	394	0526-1L
1870.00	cut	Sh/Clst: lt ol gy	0.06	0.19	1.72	0.11	0.40	48	430	0.3	0.24	426	0531-1L
2020.00	cut	Sh/Clst: lt ol gy	0.33	0.35	1.32	0.27	0.77	45	171	0.7	0.49	428	0536-1L
2170.00	cut	Sh/Clst: lt ol gy to ol gy	0.77	0.24	0.73	0.33	0.50	48	146	1.0	0.76	388	0541-1L
2320.00	cut	Sh/Clst: ol gy to m gy	2.12	0.51	0.75	0.68	0.97	53	77	2.6	0.81	343	0546-1L
2470.00	cut	Sh/Clst: ol gy to m gy	2.41	0.53	0.92	0.58	1.11	48	83	2.9	0.82	430	0551-1L
2620.00	cut	Sh/Clst: ol gy to m gy	2.23	0.43	2.55	0.17	1.16	37	220	2.7	0.84	339	0556-1L
2770.00	cut	Sh/Clst: lt ol gy to ol gy	2.11	0.31	1.28	0.24	0.94	33	136	2.4	0.87	383	0561-1L
2920.00	cut	Sh/Clst: lt ol gy to ol gy to m drk gy	1.69	0.42	1.36	0.31	0.96	44	142	2.1	0.80	378	0566-1L
3070.00	cut	Sh/Clst: lt ol gy to ol gy	0.57	0.27	1.20	0.22	0.74	36	162	0.8	0.68	435	0571-1L
3220.00	cut	Sh/Clst: lt ol gy to ol gy	0.35	0.29	1.26	0.23	1.08	27	117	0.6	0.55	433	0576-1L
3325.00	cut	Sh/Clst: gy blk	2.53	7.36	2.75	2.68	5.44	135	51	9.9	0.26	453	0580-1L
3370.00	cut	Sh/Clst: ol gy to drk gy	0.18	0.05	0.57	0.09	0.40	13	143	0.2	0.78	448	0582-1L
3520.00	cut	Sh/Clst: ol gy to drk gy to gy blk	0.16	0.10	0.30	0.33	0.69	14	43	0.3	0.62	402	0587-1L

Table 2 : Rock-Eval table for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3670.00	cut	Sh/Clst: ol gy to drk gy	0.26	0.13	0.17	0.76	0.66	20	26	0.4	0.67	342	0592-1L
3900.00	cut	Sh/Clst: ol gy to drk gy	0.20	0.19	0.31	0.61	1.01	19	31	0.4	0.51	451	0594-1L
3907.00	cut	Sh/Clst: brn blk	1.99	7.10	1.02	6.96	4.25	167	24	9.1	0.22	450	0595-3L
3912.00	cut	Sh/Clst: brn blk	1.80	5.30	1.34	3.96	4.39	121	31	7.1	0.25	447	0596-3L
3920.00	cut	Sh/Clst: brn blk	1.88	5.72	1.38	4.14	5.02	114	27	7.6	0.25	448	0597-3L
3932.00	cut	Sh/Clst: brn blk	2.52	6.73	1.66	4.05	5.22	129	32	9.3	0.27	451	0598-3L
3937.00	cut	Sh/Clst: brn blk	3.30	6.14	1.62	3.79	6.33	97	26	9.4	0.35	448	0599-3L
3945.00	cut	Sh/Clst: brn blk	3.46	7.72	1.68	4.60	6.55	118	26	11.2	0.31	443	0600-3L
3952.00	cut	Sh/Clst: gy blk to brn blk	2.49	3.77	1.82	2.07	6.42	59	28	6.3	0.40	442	0601-3L
3957.00	cut	Sh/Clst: ol gy to drk gy	0.22	0.23	0.33	0.70	1.08	21	31	0.5	0.49	448	0602-1L
3962.00	cut	Sh/Clst: gy blk to brn blk	1.25	1.75	1.51	1.16	3.92	45	39	3.0	0.42	444	0603-3L
3970.00	cut	Sh/Clst: gy blk to brn blk	1.74	2.16	1.63	1.33	4.12	52	40	3.9	0.45	449	0604-3L
3975.00	cut	Sh/Clst: gy blk to brn blk	1.71	2.03	1.79	1.13	4.78	42	37	3.7	0.46	444	0605-3L
3982.00	cut	Sh/Clst: gy blk to brn blk	1.90	1.94	1.88	1.03	4.80	40	39	3.8	0.49	444	0606-3L
3987.00	cut	Sh/Clst: gy blk to brn blk	2.09	2.37	1.73	1.37	5.40	44	32	4.5	0.47	442	0607-3L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3995.00	cut	Sh/Clst: gy blk	1.94	2.99	1.53	1.95	3.44	87	44	4.9	0.39	447	0608-3L
4000.00	cut	Sh/Clst: gy blk	1.88	2.50	1.53	1.63	3.05	82	50	4.4	0.43	444	0609-3L
4007.00	cut	Sh/Clst: gy blk	2.03	3.02	1.53	1.97	4.70	64	33	5.1	0.40	445	0610-3L
4012.00	cut	Sh/Clst: gy blk	1.72	2.08	1.39	1.50	4.11	51	34	3.8	0.45	443	0611-3L
4025.00	cut	Sh/Clst: gy blk	2.49	2.49	1.05	2.37	3.67	68	29	5.0	0.50	453	0613-3L
4045.00	cut	Sh/Clst: gy blk to drk gy	1.63	1.84	1.13	1.63	3.70	50	31	3.5	0.47	449	0616-3L
4050.00	cut	Sh/Clst: gy blk to drk gy	1.91	1.71	0.95	1.80	2.91	59	33	3.6	0.53	452	0617-3L
4067.00	cut	Sh/Clst: dsk y brn	1.27	1.63	0.50	3.26	1.67	98	30	2.9	0.44	455	0620-4L
4073.50	ccp	S/Sst : lt gy	1.14	0.50	0.41	1.22	0.66	76	62	1.6	0.70	454	0695-1L
4079.60	ccp	S/Sst : lt gy	0.01	0.01	0.02	0.50	0.05	20	40	-	0.50	337	0696-1L
4083.50	ccp	S/Sst : w to lt gy	0.13	0.04	0.70	0.06	0.10	40	700	0.2	0.76	304	0697-1L
4089.70	ccp	Sltst : lt gy to m gy	0.03	0.06	0.04	1.50	0.14	43	29	0.1	0.33	416	0698-1L
4095.70	ccp	Sltst : lt gy to m gy	0.07	0.06	0.21	0.29	0.11	55	191	0.1	0.54	397	0699-1L
4099.50	ccp	S/Sst : lt gy	0.10	0.19	0.26	0.73	0.14	136	186	0.3	0.34	398	0700-1L
4110.00	cut	Sh/Clst: ol gy to drk gy	0.21	0.14	0.10	1.40	0.73	19	14	0.3	0.60	346	0627-1L

Table 2 : Rock-Eval table for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4130.00	cut	Sh/Clst: ol gy to drk gy	0.16	0.07	0.15	0.47	0.60	12	25	0.2	0.70	343	0630-1L
4142.00	cut	Sh/Clst: ol gy to drk gy	0.13	0.05	0.15	0.33	0.68	7	22	0.2	0.72	345	0632-1L
4152.00	cut	Sh/Clst: ol gy to drk gy	0.15	0.08	0.21	0.38	0.65	12	32	0.2	0.65	343	0647-1L
4165.00	cut	S/Sst : w to lt brn gy	0.10	0.05	0.22	0.23	0.10	50	220	0.2	0.67	397	0634-2L
4185.00	cut	Sh/Clst: gy blk	0.88	1.90	0.20	9.50	1.88	101	11	2.8	0.32	451	0637-4L
4190.00	cut	Sh/Clst: gy blk	0.94	1.55	0.24	6.46	2.50	62	10	2.5	0.38	453	0638-4L
4197.00	cut	Sh/Clst: drk gy to m drk gy	0.14	0.11	1.49	0.07	0.87	13	171	0.3	0.56	449	0639-2L
4202.00	cut	Sh/Clst: drk gy to m drk gy	0.13	0.13	0.31	0.42	0.92	14	34	0.3	0.50	456	0640-2L
4210.00	cut	Sh/Clst: gy blk to drk gy	1.43	1.53	1.09	1.40	2.77	55	39	3.0	0.48	451	0641-4L
4215.00	cut	Sh/Clst: drk gy to m drk gy	0.13	0.07	0.24	0.29	0.68	10	35	0.2	0.65	406	0642-2L
4222.00	cut	Sh/Clst: gy blk to drk gy	1.01	1.52	0.82	1.85	2.69	57	30	2.5	0.40	455	0643-3L
4235.00	cut	S/Sst : w to lt brn gy	0.55	0.30	0.31	0.97	0.33	91	94	0.9	0.65	382	0645-4L
4240.00	cut	Sh/Clst: drk gy to m drk gy	0.21	0.13	0.15	0.87	0.77	17	19	0.3	0.62	349	0646-1L
4252.00	cut	Sh/Clst: gy blk to drk gy	1.10	1.93	0.20	9.65	2.27	85	9	3.0	0.36	457	0650-3L
4260.00	cut	Sh/Clst: gy blk to drk gy	1.08	2.32	0.24	9.67	1.89	123	13	3.4	0.32	461	0651-3L

Table 2 : Rock-Eval table for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4265.00	cut	Sh/Clst: gy blk to drk gy	1.06	2.04	0.24	8.50	2.03	100	12	3.1	0.34	458	0653-3L
4270.00	cut	Sh/Clst: drk gy to m drk gy	0.19	0.09	0.21	0.43	0.61	15	34	0.3	0.68	379	0654-1L
4290.00	cut	Sh/Clst: drk gy to m drk gy	1.04	0.35	0.41	0.85	0.78	45	53	1.4	0.75	361	0657-1L
4312.00	cut	Sh/Clst: m gy to gy blk	0.96	0.68	0.52	1.31	1.23	55	42	1.6	0.59	462	0661-1L
4320.00	cut	Sh/Clst: m gy to gy blk	2.08	0.97	0.93	1.04	1.48	66	63	3.0	0.68	454	0662-1L
4325.00	cut	Sh/Clst: m gy to gy blk	2.01	0.75	0.75	1.00	1.54	49	49	2.8	0.73	457	0663-1L
4345.00	cut	Sltst : lt brn gy	1.34	0.92	0.91	1.01	1.43	64	64	2.3	0.59	447	0666-1L
4357.00	cut	Sltst : lt brn gy to brn gy to m drk gy	0.83	0.55	0.69	0.80	0.91	60	76	1.4	0.60	456	0668-1L
4375.00	cut	Sltst : lt brn gy to brn gy to m drk gy	0.95	0.78	0.88	0.89	1.24	63	71	1.7	0.55	452	0670-1L
4387.00	cut	Sltst : lt brn gy to brn gy to m drk gy	0.75	0.64	0.81	0.79	1.16	55	70	1.4	0.54	454	0672-1L
4420.00	cut	S/Sst : w to y gy	0.12	0.02	0.15	0.13	0.10	20	150	0.1	0.86	443	0677-4L
4437.00	cut	S/Sst : w to y gy	0.13	0.02	0.05	0.40	0.06	33	83	0.1	0.87	312	0680-4L
4470.00	cut	S/Sst : w to y gy	0.09	0.03	0.19	0.16	0.11	27	173	0.1	0.75	342	0685-4L

Table 2 : Rock-Eval table for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4492.00	cut	S/Sst : w to y gy	0.04	-	0.06	-	0.04	-	150	-	1.00	283	0689-2L
4520.00	cut	Sh/Clst: red brn	0.32	0.23	0.57	0.40	0.25	92	228	0.6	0.58	376	0694-3L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2470.00	cut	Sh/Clst: ol gy to m gy	5.73	26.62	39.67	27.98	0.53	0551-1L
3325.00	cut	Sh/Clst: gy blk	7.55	22.54	41.47	28.44	7.36	0580-1L
3907.00	cut	Sh/Clst: brn blk	5.67	23.20	38.14	32.99	7.10	0595-3L
3932.00	cut	Sh/Clst: brn blk	5.68	19.52	41.07	33.72	6.73	0598-3L
3975.00	cut	Sh/Clst: gy blk to brn blk	5.36	25.00	41.07	28.57	2.03	0605-3L
3995.00	cut	Sh/Clst: gy blk	5.61	25.26	40.78	28.36	2.99	0608-3L
4025.00	cut	Sh/Clst: gy blk	5.70	23.05	40.77	30.49	2.49	0613-3L
4073.50	ccp	S/Sst : lt gy	5.32	17.74	26.57	50.37	0.50	0695-1L
4083.50	ccp	S/Sst : w to lt gy	14.70	35.26	39.06	10.99	0.04	0697-1L
4185.00	cut	Sh/Clst: gy blk	22.79	16.13	36.26	24.83	1.90	0637-4L
4235.00	cut	S/Sst : w to lt brn gy	2.45	14.05	19.78	63.72	0.30	0645-4L
4252.00	cut	Sh/Clst: gy blk to drk gy	7.77	23.88	35.69	32.66	1.93	0650-3L
4320.00	cut	Sh/Clst: m gy to gy blk	8.03	22.63	34.34	35.00	0.97	0662-1L
4375.00	cut	Slstst : lt brn gy to brn gy to m drk gy	10.04	33.98	39.40	16.59	0.78	0670-1L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
4437.00	cut	S/Sst : w to y gy	9.02	39.48	42.16	9.34	0.02	0680-4L
4520.00	cut	Sh/Clst: red brn	7.52	47.19	37.30	7.99	0.23	0694-3L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC(e) (%)	Sample
2920.00	com	Composite sample - see table 4 e	8.1	28.2	9.0	16.6	0.7	1.9	25.6	2.5	0.97	0701-0B
3945.00	com	Composite sample - see table 4 e	2.6	10.3	3.6	3.0	2.4	1.3	6.6	3.7	5.38	0702-0B
3987.00	com	Composite sample - see table 4 e	10.0	25.3	12.9	9.1	1.3	2.0	22.0	3.3	4.40	0703-0B
4025.00	com	Composite sample - see table 4 e	6.2	16.8	6.8	6.6	1.4	2.0	13.4	3.5	4.29	0704-0B
4073.50	ccp	S/Sst : lt gy	9.4	12.3	7.5	2.5	1.1	1.2	10.1	2.3	0.33	0695-1L
4190.00	com	Composite sample - see table 4 e	1.2	3.2	0.9	1.0	1.0	0.3	1.9	1.3	2.55	0705-0B
4265.00	com	Composite sample - see table 4 e	3.7	7.1	3.9	1.2	1.1	0.9	5.1	2.0	2.46	0706-0B
4325.00	com	Composite sample - see table 4 e	2.6	3.5	1.6	0.4	0.9	0.5	2.1	1.4	1.57	0707-0B
4387.00	com	Composite sample - see table 4 e	3.4	4.3	2.7	0.6	0.6	0.4	3.3	1.0	1.33	0708-0B

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2920.00	com	Composite sample - see table 4 e	3472	1108	2050	86	227	3158	314	0701-0B
3945.00	com	Composite sample - see table 4 e	3901	1363	1136	909	492	2499	1401	0702-0B
3987.00	com	Composite sample - see table 4 e	2532	1291	915	130	195	2207	325	0703-0B
4025.00	com	Composite sample - see table 4 e	2722	1094	1069	226	332	2163	559	0704-0B
4073.50	ccp	S/Sst : lt gy	1314	801	272	117	122	1073	240	0695-1L
4190.00	com	Composite sample - see table 4 e	2735	769	897	854	213	1666	1068	0705-0B
4265.00	com	Composite sample - see table 4 e	1913	1051	323	296	242	1374	539	0706-0B
4325.00	com	Composite sample - see table 4 e	1361	642	175	350	194	817	544	0707-0B
4387.00	com	Composite sample - see table 4 e	1279	803	178	178	119	982	297	0708-0B

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2920.00	com	Composite sample - see table 4 e	358.03	114.27	211.39	8.89	23.49	325.66	32.38	0701-0B
3945.00	com	Composite sample - see table 4 e	72.52	25.35	21.12	16.90	9.15	46.47	26.05	0702-0B
3987.00	com	Composite sample - see table 4 e	57.56	29.35	20.82	2.96	4.44	50.16	7.39	0703-0B
4025.00	com	Composite sample - see table 4 e	63.47	25.50	24.93	5.29	7.74	50.44	13.03	0704-0B
4073.50	ccp	S/Sst : lt gy	398.21	242.81	82.56	35.61	37.23	325.37	72.84	0695-1L
4190.00	com	Composite sample - see table 4 e	107.26	30.17	35.19	33.52	8.38	65.36	41.90	0705-0B
4265.00	com	Composite sample - see table 4 e	77.79	42.73	13.15	12.05	9.86	55.88	21.91	0706-0B
4325.00	com	Composite sample - see table 4 e	86.74	40.89	11.15	22.31	12.39	52.05	34.70	0707-0B
4387.00	com	Composite sample - see table 4 e	96.22	60.42	13.43	13.43	8.95	73.85	22.38	0708-0B

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	EOM	Aro	
2920.00	com	Composite sample - see table 4 e	31.91	59.04	2.48	6.56	90.96	9.04	54.05	1005.88	0701-0B
3945.00	com	Composite sample - see table 4 e	34.95	29.13	23.30	12.62	64.08	35.92	120.00	178.38	0702-0B
3987.00	com	Composite sample - see table 4 e	50.99	36.17	5.14	7.71	87.15	12.85	140.98	678.46	0703-0B
4025.00	com	Composite sample - see table 4 e	40.18	39.29	8.33	12.20	79.46	20.54	102.27	386.96	0704-0B
4073.50	ccp	S/Sst : lt gy	60.98	20.73	8.94	9.35	81.71	18.29	294.12	446.67	0695-1L
4190.00	com	Composite sample - see table 4 e	28.13	32.81	31.25	7.81	60.94	39.06	85.71	156.00	0705-0B
4265.00	com	Composite sample - see table 4 e	54.93	16.90	15.49	12.68	71.83	28.17	325.00	255.00	0706-0B
4325.00	com	Composite sample - see table 4 e	47.14	12.86	25.71	14.29	60.00	40.00	366.67	150.00	0707-0B
4387.00	com	Composite sample - see table 4 e	62.79	13.95	13.95	9.30	76.74	23.26	450.00	330.00	0708-0B

Depth unit of measure: m

NOTE: Depths shown in tables 4 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>	<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
2320.00	2920.00	com	0701-0B is composed of:	2320.00	cut	Sh/Clst: ol gy to m gy, calc, slt	0546-1L
				2470.00	cut	Sh/Clst: ol gy to m gy, calc, slt	0551-1L
				2620.00	cut	Sh/Clst: ol gy to m gy, calc, slt	0556-1L
				2770.00	cut	Sh/Clst: lt ol gy to ol gy, calc	0561-1L
				2920.00	cut	Sh/Clst: lt ol gy to ol gy to m drk gy, calc	0566-1L
3907.00	3945.00	com	0702-0B is composed of:	3907.00	cut	Sh/Clst: brn blk, carb	0595-3L
				3912.00	cut	Sh/Clst: brn blk, carb	0596-3L
				3920.00	cut	Sh/Clst: brn blk, carb	0597-3L
				3932.00	cut	Sh/Clst: brn blk	0598-3L
				3937.00	cut	Sh/Clst: brn blk	0599-3L
3945.00	cut	Sh/Clst: brn blk	0600-3L				
3962.00	3987.00	com	0703-0B is composed of:	3962.00	cut	Sh/Clst: gy blk to brn blk	0603-3L
				3970.00	cut	Sh/Clst: gy blk to brn blk	0604-3L
				3975.00	cut	Sh/Clst: gy blk to brn blk	0605-3L
				3982.00	cut	Sh/Clst: gy blk to brn blk	0606-3L
				3987.00	cut	Sh/Clst: gy blk to brn blk	0607-3L
4007.00	4025.00	com	0704-0B is composed of:	4007.00	cut	Sh/Clst: gy blk	0610-3L
				4012.00	cut	Sh/Clst: gy blk	0611-3L
				4025.00	cut	Sh/Clst: gy blk	0613-3L

Depth unit of measure: m

NOTE: Depths shown in tables 4 a to d correspond to the composite samples' lower depth.

Upper depth	Lower depth	Typ	Sample	Depth	Typ	Lithology	Sample
4185.00	4190.00	com	0705-0B is composed of:	4185.00	cut	Sh/Clst: gy blk, mic	0637-4L
				4190.00	cut	Sh/Clst: gy blk, mic	0638-4L
4210.00	4265.00	com	0706-0B is composed of:	4210.00	cut	Sh/Clst: gy blk to drk gy, mic	0641-4L
				4222.00	cut	Sh/Clst: gy blk to drk gy, mic	0643-3L
				4252.00	cut	Sh/Clst: gy blk to drk gy	0650-3L
				4260.00	cut	Sh/Clst: gy blk to drk gy	0651-3L
				4265.00	cut	Sh/Clst: gy blk to drk gy	0653-3L
4312.00	4325.00	com	0707-0B is composed of:	4312.00	cut	Sh/Clst: m gy to gy blk, mic	0661-1L
				4320.00	cut	Sh/Clst: m gy to gy blk, mic	0662-1L
				4325.00	cut	Sh/Clst: m gy to gy blk, mic	0663-1L
4345.00	4387.00	com	0708-0B is composed of:	4345.00	cut	Sltst : lt brn gy	0666-1L
				4357.00	cut	Sltst : lt brn gy to brn gy to m drk gy	0668-1L
				4375.00	cut	Sltst : lt brn gy to brn gy to m drk gy	0670-1L
				4387.00	cut	Sltst : lt brn gy to brn gy to m drk gy	0672-1L

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
2920.00	com	bulk	0.56	1.87	0.50	0.41	1.04	0701-0B
3945.00	com	bulk	0.65	1.63	0.59	0.51	0.99	0702-0B
3987.00	com	bulk	0.63	1.56	0.58	0.52	1.08	0703-0B
4025.00	com	bulk	0.54	1.72	0.48	0.40	1.04	0704-0B
4073.50	ccp	S/Sst : lt gy	0.69	1.58	0.59	0.47	1.13	0695-1L
4190.00	com	bulk	0.72	1.74	0.62	0.50	0.95	0705-0B
4265.00	com	bulk	0.49	2.40	0.38	0.25	1.16	0706-0B
4325.00	com	bulk	0.65	1.18	0.63	0.60	1.06	0707-0B
4387.00	com	bulk	0.50	1.90	0.42	0.32	1.14	0708-0B

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2920.00	com	bulk	-	1.14	-	-	0.54	-	0.72	-	-	-	0701-0B
3945.00	com	bulk	0.63	1.60	1.45	-	0.89	0.92	0.93	-	-	-	0702-0B
3987.00	com	bulk	0.88	1.13	0.29	-	0.96	1.00	0.98	-	-	-	0703-0B
4025.00	com	bulk	0.67	1.37	0.25	-	0.50	-	0.70	-	-	-	0704-0B
4073.50	ccp	S/Sst : lt gy	-	0.79	-	-	1.03	1.13	1.02	-	-	-	0695-1L
4190.00	com	bulk	-	1.31	-	-	0.99	1.04	0.99	-	-	-	0705-0B
4265.00	com	bulk	0.63	2.37	0.11	-	0.93	0.99	0.96	-	-	-	0706-0B
4325.00	com	bulk	-	1.08	-	-	1.31	1.42	1.19	-	-	-	0707-0B
4387.00	com	bulk	-	1.50	-	-	1.10	1.16	1.06	-	-	-	0708-0B

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
1510.00	cut	bulk	0.43	12	0.05	3-4	-	-	0709-0B
1600.00	cut	bulk	0.39	20	0.06	3-4	-	-	0711-0B
1710.00	cut	bulk	0.40	3	0.05	3-4	-	-	0713-0B
1810.00	cut	bulk	0.39	4	0.04	3-4	-	-	0529-0B
1900.00	cut	bulk	0.42	2	0.07	3-4	-	-	0532-0B
2050.00	cut	bulk	0.36	4	0.02	3-4	-	-	0537-0B
2140.00	cut	bulk	0.50	2	0.01	3+4	-	-	0540-0B
2230.00	cut	bulk	0.40	2	0.00	3-4	-	-	0543-0B
2320.00	cut	bulk	NDP	-	-	5	-	-	0546-0B
2440.00	cut	bulk	0.49	1	0.00	4-5 (?)	-	-	0550-0B
2470.00	cut	Sh/Clst: ol gy to m gy	-	-	-	-	4.0-4.5	430	0551-1L
2650.00	cut	bulk	NDP	-	-	4-5 (?)	-	-	0557-0B
2860.00	cut	bulk	NDP	-	-	4-5 (?)	-	-	0564-0B
2950.00	cut	bulk	NDP	-	-	4-5 (?)	-	-	0567-0B

Table 7 : Thermal Maturity Data for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3250.00	cut bulk	0.49	2	0.04	5 (?)	-	-	0577-0B
3325.00	cut bulk	0.59	1	0.00	NDP	-	-	0580-0B
3325.00	cut Sh/Clst: gy blk	-	-	-	-	NDP/6.0(??)	453	0580-1L
3548.00	cut bulk	0.57	1	0.00	NDP	-	-	0588-0B
3907.00	cut bulk	0.62	18	0.06	5-6	-	-	0595-0B
3907.00	cut Sh/Clst: brn blk	-	-	-	-	6.5(??)	450	0595-3L
3945.00	cut bulk	0.64	3	0.04	5-6 (?)	-	-	0600-0B
3952.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	6.0-6.5(??)	442	0601-3L
3982.00	cut bulk	0.63	10	0.07	5-6	-	-	0606-0B
3987.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	6.0-6.5(??)	442	0607-3L
4045.00	cut bulk	0.77	6	0.07	6 (?)	-	-	0616-0B
4050.00	cut Sh/Clst: gy blk to drk gy	-	-	-	-	6.5-7.0	452	0617-3L
4110.00	cut Sh/Clst: ol gy to drk gy	-	-	-	-	7.0	346	0627-1L
4117.00	cut bulk	0.62	17	0.07	6	-	-	0628-0B

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
4185.00	cut	bulk	0.72	6	0.10	5-6 (?)	-	-	0637-0B
4185.00	cut	Sh/Clst: gy blk	-	-	-	-	6.5-7.0	451	0637-4L
4222.00	cut	bulk	0.72	8	0.04	6	-	-	0643-0B
4260.00	cut	Sh/Clst: gy blk to drk gy	-	-	-	-	7.0	461	0651-3L
4312.00	cut	Sh/Clst: m gy to gy blk	-	-	-	-	6.5-7.0	462	0661-1L
4325.00	cut	bulk	0.79	3	0.05	5-6 (??)	-	-	0663-0B
4337.00	cut	bulk	0.90	7	0.04	NDP	-	-	0665-0B
4375.00	cut	Sltst : lt brn gy to brn gy to m drk gy	-	-	-	-	7.5-8.0	452	0670-1L
4412.00	cut	bulk	0.88	9	0.04	6 (?)	-	-	0676-0B
4520.00	cut	Sh/Clst: red brn	-	-	-	-	NDP	376	0694-3L

Table 8 : Visual Kerogen Composition Data for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	S	I	M	S	V	C	V	A	Sample						
			I	m	i	p	u	R	A	i	A	B	N	F	e	n	i	c	B		I	T	e	l	D	r
			P	r	D	P	i	s	g	o	r	t	R	s	F	D	r	e	t	R	i	n	n	t	V	V
			T	e	o	c	i	a	f	i	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V	
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V	
2470.00	cut	Sh/Clst: ol gy to m gy	35		*	*	*	**	*				30	*	**				35	**		*			0551-1L	
3325.00	cut	Sh/Clst: gy blk	85	**		*		*	*			TR		*					15			*			0580-1L	
3907.00	cut	Sh/Clst: brn blk	50	**		*		*				TR		*					50			*			0595-3L	
3952.00	cut	Sh/Clst: gy blk to brn blk	80	**		*		*				10		*					10	*		*			0601-3L	
3987.00	cut	Sh/Clst: gy blk to brn blk	40			*		**				20	*	*					40	*					0607-3L	
4050.00	cut	Sh/Clst: gy blk to drk gy	45	*		*		*				30	*	*					25	*					0617-3L	
4110.00	cut	Sh/Clst: ol gy to drk gy	30			*		*				60	*	*					10	*					0627-1L	
4185.00	cut	Sh/Clst: gy blk	60		*	*		**	*			15	*	*					25	**		*			0637-4L	
4260.00	cut	Sh/Clst: gy blk to drk gy	20		*	*		*				40	*	**					40	**		*		*	0651-3L	
4312.00	cut	Sh/Clst: m gy to gy blk	30		*	**		*		*		50	*	*					20	**	*	*	*		0661-1L	
4375.00	cut	Sltst : lt brn gy to brn gy to m drk gy	80		**	*		**	*			15	**	*					5	*					0670-1L	
4520.00	cut	Sh/Clst: red brn	NDP									NDP							NDP						0694-3L	

Table 9a : Tabulation of carbon isotope data for EOM/Oil - fractions or Oils for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
3987.00	com	Composite sample	-	-28.83	-28.10	-27.68	-27.48	-	0703-0B
4073.50	ccp		-	-28.38	-27.14	-27.24	-26.85	-	0695-1L
4265.00	com	Composite sample	-	-27.73	-26.70	-26.88	-25.98	-	0706-0B
4387.00	com	Composite sample	-	-27.95	-	-	-26.21	-	0708-0B

Table 9b : Tabulation of cv values from carbon isotope data for well NOCS 33/5-2

Depth unit of measure: m

Depth	Typ	Lithology	Saturated	Aromatic	cv value	Sample
3987.00	com	Composite sample	-28.83	-28.10	-1.09	0703-0B
4073.50	ccp		-28.38	-27.14	-0.10	0695-1L
4265.00	com	Composite sample	-27.73	-26.70	-0.77	0706-0B
4387.00	com	Composite sample	-27.95	-	-	0708-0B

Table 10A: Variation in Triterpane Distribution for Well NOCS 33/5-2

Depth unit of measure: m

Depth	Lithology	B/A	B/B+A	B		C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D		J1		Sample
				B+E+F										C+D+E+F	D+F/C+E	J1+J2%		
3987.00	Sh/Clst	-	-	-	0.46	0.31	0.62	0.04	0.10	0.04	0.42	0.94	0.30	0.04	63.53		0703-0	
4073.50	S/Sst	-	-	-	0.43	0.30	0.52	0.16	0.38	0.14	0.55	0.90	0.28	0.07	64.54		0695-1	
4265.00	Sh/Clst	0.37	0.27	0.18	0.54	0.35	1.16	0.19	0.35	0.16	1.23	0.79	0.30	0.18	63.01		0706-0	
4387.00	Sltst	0.63	0.39	0.20	0.92	0.48	0.33	0.17	0.19	0.15	2.42	0.88	0.47	0.13	62.59		0708-0	

Table 10B: Variation in Sterane Distribution (peak height) for Well NOCS 33/5-2

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Ratio6</u>	<u>Ratio7</u>	<u>Ratio8</u>	<u>Ratio9</u>	<u>Ratio10</u>	<u>Sample</u>
3987.00	Sh/Clst	0.94	66.78	73.52	1.62	0.68	0.70	0.55	0.58	2.01	4.18	0703-0
4073.50	S/Sst	0.96	56.35	80.53	1.37	0.79	0.66	0.49	0.67	1.29	4.74	0695-1
4265.00	Sh/Clst	0.97	46.54	73.70	1.64	0.75	0.85	0.74	0.58	0.87	2.62	0706-0
4387.00	Sltst	0.58	36.74	80.13	0.95	0.85	0.88	0.84	0.67	0.58	3.19	0708-0

Ratio1: $a / a + j$
 Ratio2: $q / q + t * 100\%$
 Ratio3: $2(r + s) / (q + t + 2(r + s)) * 100\%$
 Ratio4: $a + b + c + d / h + k + l + n$
 Ratio5: $r + s / r + s + q$

Ratio6: $u + v / u + v + q + r + s + t$
 Ratio7: $u + v / u + v + i + m + n + q + r + s + t$
 Ratio8: $r + s / q + r + s + t$
 Ratio9: q / t
 Ratio10: $r + s / t$

Table 10C: Raw GCMS triterpane data (peak height) for Well NOCS 33/5-2

Depth unit of measure: m

Depth	Lithology	p	q	r	s	t	a	b	z	c	Sample
		x	d	e	f	g	h	i	j1		
		j2	k1	k2	l1	l2	m1	m2			
3987.00	Sh/Clst	35.92 47.76 16.80	32.23 0.00 20.83	24.63 76.51 11.22	18.51 11.55	5.21 4.89 6.58	76.69 21.19 6.77	0.00 11.97 6.54	3.37 3.43 29.26	35.00	0703-0
4073.50	S/Sst	19.31 14.16 3.61	15.08 0.00 6.71	11.55 27.26 1.86	9.16 3.84	2.27 2.88 2.30	18.70 8.97 2.67	0.00 5.60 2.11	4.49 4.95 6.57	11.81	0695-1
4265.00	Sh/Clst	60.79 30.51 3.10	32.21 0.00 2.97	16.21 26.26 2.09	11.25 0.00	1.39 7.12 0.00	19.54 8.29 0.00	7.21 7.28 0.00	4.93 3.84 5.28	14.26	0706-0
4387.00	Sltst	177.45 8.49 4.07	62.51 2.70 6.19	34.40 25.80 3.61	20.43 3.15	9.97 3.63 1.78	11.82 8.91 0.00	7.40 9.45 0.00	4.39 3.23 6.81	23.69	0708-0

Table 10D: Raw GCMS sterane data (peak height) for Well NOCS 33/5-2

Depth unit of measure: m

Depth	Lithology	u	v	a	b	c	d	e	f	g	Sample
		h	i	j	k	l	m	n	o		
		p	q	r	s	t					
3987.00	Sh/Clst	83.05	32.25	99.47	55.28	27.02	45.42	50.43	36.01	14.87	0703-0
		58.92	26.25	5.99	45.23	21.09	1.61	14.72	12.21		
		2.54	13.99	13.78	15.30	6.96					
4073.50	S/Sst	34.11	11.72	50.97	30.25	7.05	17.93	20.42	17.68	6.64	0695-1
		37.94	16.51	1.95	23.81	9.67	1.74	6.08	5.78		
		2.13	4.35	8.26	7.71	3.37					
4265.00	Sh/Clst	43.54	16.28	27.43	15.22	5.04	8.20	11.38	7.51	5.48	0706-0
		17.76	7.00	0.85	9.26	3.14	0.00	3.90	1.73		
		1.00	2.02	2.81	3.27	2.32					
4387.00	Sltst	80.35	28.88	10.59	5.97	1.94	0.86	2.09	4.05	4.15	0708-0
		7.28	1.44	7.69	8.23	2.16	2.44	2.69	3.15		
		3.54	1.76	5.87	3.79	3.03					

Table 10E: Aromatisation of Steranes for Well NOCS 33/5-2

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
3987.00	Sh/Clst	0.69	0.69	0703-0
4073.50	S/Sst	0.79	0.89	0695-1
4265.00	Sh/Clst	0.94	0.50	0706-0
4387.00	sltst	0.88	0.34	0708-0

$$\text{Ratio1: } \frac{\text{C1+D1+E1+F1+G1+H1+I1}}{\text{C1+D1+E1+F1+G1+H1+I1} + \text{c1+d1+e1+f1+g1}}$$

$$\text{Ratio2: } \text{g1} / \text{g1} + \text{I1}$$

Table 20F: Variation in Triaromatic Sterane Distribution for Well NOCS 33/5-2

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
3987.00	Sh/Clst	0.95	0.94	0.86	0.85	0.90	0703-0
4073.50	S/Sst	0.95	0.96	0.88	0.88	0.91	0695-1
4265.00	Sh/Clst	0.97	0.95	0.88	0.90	0.94	0706-0
4387.00	Sltst	0.85	0.85	0.66	0.66	0.75	0708-0

Ratio1: $a1 / a1 + g1$

Ratio2: $b1 / b1 + g1$

Ratio3: $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$

Ratio4: $a1 / a1 + e1 + f1 + g1$

Ratio5: $a1 / a1 + d1$

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
3987.00	Sh/Clst	0.79	0.70	0.52	0.27	0703-0
4073.50	S/Sst	0.88	0.77	0.66	0.49	0695-1
4265.00	Sh/Clst	0.17	0.11	0.06	0.03	0706-0
4387.00	Sltst	0.62	0.37	0.29	0.12	0708-0

Ratio1: $A1 / A1 + E1$
 Ratio2: $B1 / B1 + E1$

Ratio3: $A1 / A1 + E1 + G1$
 Ratio4: $A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1$

Table 10H: Raw GCMS trioaromatic sterane data (peak height) for Well NOCS 33/5-2

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
3987.00	Sh/Clst	1030.22	951.91	40.43	110.83	64.18	53.38	57.38	0703-0
4073.50	S/Sst	182.85	203.86	6.20	18.26	11.38	5.94	8.64	0695-1
4265.00	Sh/Clst	286.06	165.23	6.61	19.19	14.27	10.40	8.30	0706-0
4387.00	sltst	9.02	8.45	1.22	3.00	1.50	1.56	1.54	0708-0

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	h1	i1	Sample
3987.00	Sh/Clst	167.85	105.99	151.55	34.16	45.52	38.36	108.31	335.15	25.86	0703-0
4073.50	S/Sst	124.12	58.08	37.82	6.59	17.12	4.59	45.71	74.78	1.09	0695-1
4265.00	Sh/Clst	20.02	12.33	68.68	6.52	98.33	30.63	240.14	487.89	8.21	0706-0
4387.00	Sltst	6.82	2.40	3.39	0.94	4.12	1.36	12.46	41.06	3.00	0708-0