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Key words Standard geochemistry, source rocks, organic content, source quality, migrated hydrocarbons, hydrocarbon characterisation, correlation.

Abstract <p>The present study was carried out in accordance with Statoil standard analytical methods within organic geochemistry.</p>

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OLJEDIREKTORATET

Prepared by Ian L. Ferriday, Geolab Nor A/S
Text operator

Approved by

12.03 91

Trygve Meyer
 Trygve Meyer
 Dept. Manager
 Statoil Geological lab.

GEOCHEMICAL ANALYSIS REPORT

Well NOCS 15/12-6

Client: STATOIL a.s

Author: Ian L. Ferriday

Geolab Nor A/S
Hornebergveien 5
7038 Trondheim
Norway

Date : 19.02.91

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INTRODUCTION

A total of 70 cuttings, sidewall core and core-chip samples was supplied by Statoil, these covering the interval 1000 - 3046 m of well NOCS 15/12-6. The analytical program was defined by the client and consisted of the following analyses:

Leco TOC	21 samples
Rock-Eval	40 samples
Thermal extraction - gas chromatography	14 samples
Pyrolysis - gas chromatography	11 samples
Solvent extraction of EOM	27 samples
Iatroscan separation	12 samples
Whole extract (EOM) GC	12 samples
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Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1000.00						0042
				75 Sh/Clst: lt gy to m gy, pyr		0042-1L
				15 S/Sst : w to lt gy to gy pi, crs, l		0042-2L
				5 Sh/Clst: lt or gy		0042-3L
				5 Ca : drk gy		0042-4L
				tr Cont : prp		0042-5L
1100.00						0043
				95 Sh/Clst: lt gy to m gy		0043-1L
				5 S/Sst : w to lt gy to gy pi, crs, l		0043-2L
				tr Ca : lt or		0043-3L
1200.00						0044
				50 Sh/Clst: lt gy to m gy, carb		0044-1L
				50 Sh/Clst: brn gy to drk gy to dsk brn, carb		0044-2L
				tr Cont : prp		0044-3L
1300.00						0045
				60 S/Sst : w to lt gy, crs, l		0045-1L
				20 Sh/Clst: lt gy to m gy		0045-2L
				20 Sh/Clst: drk gy to brn gy to dsk brn		0045-3L
				tr Cont : prp		0045-4L
1400.00						0046
				40 Sh/Clst: lt gy to m gy, pyr		0046-1L
				40 Sh/Clst: drk gy to brn gy to dsk brn		0046-2L
				15 S/Sst : w to lt gy, crs, l		0046-3L
				5 Ca : lt or, fos		0046-4L
				tr Cont : prp		0046-5L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1500.00						0047
				50 Sh/Clst: lt gy to m gy to lt brn gy, carb		0047-1L
				45 Sh/Clst: drk gy to brn gy to dsk brn		0047-2L
				5 S/Sst : w to lt gy, crs, l		0047-3L
				tr Ca : lt or, fos		0047-4L
				tr Cont : prp		0047-5L
1600.00						0048
				55 Sh/Clst: lt gy to m gy to lt brn gy, carb		0048-1L
				30 S/Sst : w to lt gy to lt or pi, crs, l		0048-2L
				10 Sh/Clst: brn gy to drk gy		0048-3L
				5 Ca : lt or, fos		0048-4L
				tr Coal : blk		0048-5L
				tr Cont : prp		0048-6L
1700.00						0049
				80 Sh/Clst: lt gy to m gy to lt brn gy, carb		0049-1L
				15 S/Sst : w to lt gy to lt or pi, crs, l		0049-2L
				5 Sh/Clst: drk gy to brn blk		0049-3L
				tr Ca : lt or, fos		0049-4L
				tr Cont : prp		0049-5L
1800.00						0050
				95 Sh/Clst: lt gy to m gy to lt brn gy		0050-1L
				5 Ca : lt or		0050-2L
				tr S/Sst : w to lt gy, f, l		0050-3L
				tr Cont : prp		0050-4L
1900.00						0051
				95 Sh/Clst: lt gy to m gy to lt brn gy		0051-1L
				5 Ca : lt or		0051-2L
				tr Cont : prp		0051-4L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2000.00						0052
				95 Sh/Clst: lt gy to m gy to brn gy		0052-1L
				5 Ca : lt or to or gy		0052-2L
				tr S/Sst: w to lt gy, f, l		0052-3L
				tr Cont : prp		0052-4L
2100.00						0053
				100 Sh/Clst: m gy to lt brn gy to brn gy		0053-1L
				tr Sh/Clst: gy gn to pl bl gn		0053-2L
				tr Cont : prp		0053-3L
2200.00						0054
				100 Sh/Clst: m gy to drk gy to brn gy, wx		0054-1L
				tr Ca : or gy		0054-2L
				tr Cont : prp		0054-3L
2300.00						0055
				100 Sh/Clst: lt gy to lt bl gy to m gy to brn gy		0055-1L
				tr Ca : or gy		0055-2L
				tr Cont : dd		0055-3L
2402.00						0056
				90 Sh/Clst: lt gy to m gy to lt bl gy to gy gn		0056-1L
				10 Sh/Clst: lt brn gy to brn gy		0056-2L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2500.00						0057
				50 Ca : w to lt or		0057-1L
				50 Sh/Clst: drk gy to brn gy		0057-2L
2600.00						0058
				70 Ca : w to lt or		0058-1L
				30 Sh/Clst: drk gy to brn gy		0058-2L
2700.00						0059
				60 Ca : w to lt or		0059-1L
				40 Sh/Clst: m gy to drk gy to brn gy		0059-2L
				tr Sh/Clst: m bl gy		0059-3L
2715.00						0060
				70 Ca : w to lt gy to lt or		0060-1L
				30 Sh/Clst: m gy to drk gy to brn gy		0060-2L
				tr S/Sst : w, crs, l		0060-3L
2730.00						0061
				60 Sh/Clst: lt gy to m gy to lt gy to m		0061-1L
				gy to lt bl gy to gn, carb		
				20 Ca : w to lt or		0061-2L
				20 S/Sst : w to lt gy, f, carb		0061-3L
2745.00						0062
				70 Sh/Clst: lt gy to m gy to lt brn gy to m		0062-1L
				gy to lt bl gy to dsk y gn, carb		
				15 Ca : w to lt or		0062-2L
				15 S/Sst : w to lt gy, f, carb		0062-3L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2747.50	swc					0001
		4.09	100	Sh/Clst: brn gy to drk gy, calc, slt		0001-1L
2749.00	swc					0002
				90 Sh/Clst: m gy to drk gy, calc, slt		0002-1L
				10 Cont : y gy, dd		0002-2L
		3.51		bulk		0002-0B
2751.00	swc					0003
				90 Sh/Clst: m gy to drk gy to brn gy, calc, slt		0003-1L
				10 Cont : y gy, dd		0003-2L
		4.02		bulk		0003-0B
2755.00	swc					0004
				70 Sh/Clst: lt brn gy to m gy		0004-1L
				30 Sh/Clst: lt bl gy to gn gy		0004-2L
		0.93		bulk		0004-0B
2755.50	swc					0005
				100 Sh/Clst: lt brn gy to ... gy, calc		0005-1L
		2.37		bulk		0005-0B
				tr S/Sst : w, f		0005-2L
2760.00						0063
				70 S/Sst : w to lt gy to lt gy pi, crs, l		0063-1L
				20 Sh/Clst: m gy to drk gy to brn gy, mic, slt		0063-2L
				10 Cont : prp		0063-3L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2761.30	swc					0006	
	3.60	100	Sltst : m gy, calc, s, mic			0006-1L	
2768.50	swc					0007	
	2.57	100	Sltst : m gy, calc, s, mic			0007-1L	
2775.00						0064	
		95	Cont : Mica-ad, prp, dd			0064-1L	
		5	Sh/Clst: m gy			0064-2L	
2780.50	swc					0008	
	2.72	100	Sh/Clst: m gy to drk gy, carb, slt			0008-1L	
2787.50	swc					0009	
	2.40	100	Sh/Clst: m gy to drk gy, carb, s			0009-1L	
2790.00						0065	
		90	Cont : Mica-ad, prp, dd, fib			0065-1L	
		10	Sh/Clst: m gy to drk gy			0065-2L	
2794.50	swc					0010	
		95	Sltst : m gy to drk gy, carb, s			0010-1L	
		5	Cont : pl y brn, dd			0010-2L	
	1.79		bulk			0010-0B	

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2803.50	swc					0011
	1.11	100	Sltst	: m gy to drk gy, carb, s		0011-1L
2805.00						0066
		100	Cont	: Mica-ad, prp, dd, fib		0066-1L
2810.90	swc					0012
	2.32	100	Sltst	: m gy to drk gy, cly		0012-1L
2821.90	swc					0013
	0.89	100	S/Sst	: m gy to drk gy, f, slt		0013-1L
2835.50	swc					0014
	1.07	100	Sh/Clst:	lt gy to m gy, slt		0014-1L
			bulk			0014-0B
			tr S/Sst	: w, f		0014-2L
2843.00	ccp					0015
	0.96	100	S/Sst	: lt gy to m gy to brn gy		0015-1L
2846.00	ccp					0016
	0.73	100	S/Sst	: lt gy to brn gy, f, mic		0016-1L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	Lithology description			
2849.00	ccp					0017
	0.98	100	S/Sst	: lt gy to lt brn gy, f, mic bulk		0017-1L 0017-0B 0017-2L
		tr	Coal	: blk		
2850.00						0067
		85	Cont	: Mica-ad, prp, dd, fib		0067-1L
		10	Sh/Clst	: drk gy to brn blk, calc		0067-2L
		5	S/Sst	: w to lt gy, f, l		0067-3L
2851.00	ccp					0018
	1.02	100	Sltst	: lt gy to lt brn gy, s, mic		0018-1L
2871.00						0068
		85	Cont	: Mica-ad, prp, dd, fib, Coal-ad		0068-1L
		10	Sh/Clst	: drk gy to brn blk, calc		0068-2L
		5	S/Sst	: w to lt gy, f, l		0068-3L
2873.00	ccp					0019
	0.54	100	S/Sst	: w to lt gy to lt brn gy to pl y brn, crs, hd, st		0019-1L
2876.00	ccp					0020
	0.40	100	S/Sst	: lt gy to m gy to lt brn gy to pl y brn, crs, hd, st		0020-1L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2879.00	ccp					0021
	1.68	100	S/Sst	: lt brn gy to pl y brn to m gy, crs, hd, st		0021-1L
2881.00	ccp					0022
	1.12	100	S/Sst	: lt brn gy to pl y brn to m y brn, crs, hd, st		0022-1L
2884.00	ccp					0023
	1.78	100	S/Sst	: lt brn gy to pl y brn to m y brn, crs, hd, st		0023-1L
2887.00	ccp					0024
	1.83	100	S/Sst	: lt brn gy to pl y brn, hd, st		0024-1L
2890.00	ccp					0025
	2.02	100	S/Sst	: m y brn to pl y brn to drk gy, hd, crs, st		0025-1L
2894.00	ccp					0027
	2.75	100	S/Sst	: m y brn to pl y brn to brn gy to drk gy, hd, crs, st		0027-1L
2896.00	ccp					0026
	3.14	100	S/Sst	: m y brn to pl y brn to brn gy to drk gy, hd, crs, st		0026-1L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2899.00	ccp					0028
	1.67	100	S/Sst	: m gy to brn gy, hd, st		0028-1L
			tr Coal	: blk		0028-2L
2902.00	ccp					0029
	1.16	100	S/Sst	: y gy to lt brn gy, hd, f, st		0029-1L
2905.00	ccp					0030
	1.27	100	S/Sst	: lt brn gy to drk gy, hd, f, st		0030-1L
			tr Coal	: blk		0030-2L
2907.70	ccp					0031
	0.34	100	S/Sst	: m gy to lt brn gy, f, mic		0031-1L
2913.00	ccp					0032
	1.40	100	S/Sst	: lt brn gy to brn gy to drk gy, hd, f, st		0032-1L
2917.00	ccp					0033
		100	S/Sst	: lt brn gy to m y brn, hd, crs, st		0033-1L
2921.00	ccp					0034
	0.41	100	S/Sst	: lt brn gy to m brn, hd, crs, st		0034-1L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2925.00	ccp					0035
	1.18	100	S/Sst	: lt brn gy to pl y, hd, st		0035-1L
2929.00	ccp					0036
	1.23	100	S/Sst	: lt brn gy to pl y brn to drk gy, hd, st		0036-1L
			tr Coal	: blk		0036-2L
2936.00	ccp					0037
	3.64	95	S/Sst	: lt brn gy, hd, crs		0037-1L
		5	Coal	: blk		0037-2L
2944.00	ccp					0038
	1.34	100	S/Sst	: lt brn gy to lt gy, hd, f, mic		0038-1L
2951.40	ccp					0039
	68.20	100	Coal	: blk		0039-1L
2952.80	ccp					0040
	61.80	100	Coal	: blk		0040-1L
2969.50	swc					0041
	0.28	100	Sh/Clst:	m brn to m red br carb		0041-1L

Table 1 : Lithology description for well NOCS 15/12-6

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2981.00						0069
				60 S/Sst : w to lt gy, f, l		0069-1L
				25 Sh/Clst: m gy to drk gy to brn blk, mic, carb		0069-2L
				10 Cont : prp		0069-3L
				5 Ca : w to lt or		0069-4L
				tr Coal : blk, wx		0069-5L
3046.00						0070
				80 S/Sst : w to lt gy to m or red to m or pu, crs, l		0070-1L
				10 Sh/Clst: m gy to drk gy to brn blk, mic, carb		0070-2L
				5 Ca : w to lt or		0070-3L
				5 Cont : prp		0070-4L
				tr Coal : blk, wx		0070-5L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2747.50	swc	Sh/Clst: brn gy to drk gy	1.99	16.76	1.18	14.20	4.09	410	29	18.8	0.11	429	0001-1L
2749.00	swc	bulk	1.74	13.99	0.98	14.28	3.51	399	28	15.7	0.11	428	0002-0B
2751.00	swc	bulk	1.50	15.79	0.84	18.80	4.02	393	21	17.3	0.09	427	0003-0B
2755.00	swc	bulk	0.14	1.12	1.11	1.01	0.93	120	119	1.3	0.11	433	0004-0B
2755.50	swc	bulk	0.89	9.22	0.35	26.34	2.37	389	15	10.1	0.09	428	0005-0B
2761.30	swc	Sltst : m gy	1.86	15.40	0.44	35.00	3.60	428	12	17.3	0.11	427	0006-1L
2768.50	swc	Sltst : m gy	0.89	9.84	0.57	17.26	2.57	383	22	10.7	0.08	430	0007-1L
2780.50	swc	Sh/Clst: m gy to drk gy	0.87	9.73	0.40	24.32	2.72	358	15	10.6	0.08	432	0008-1L
2787.50	swc	Sh/Clst: m gy to drk gy	0.72	8.45	0.44	19.20	2.40	352	18	9.2	0.08	431	0009-1L
2794.50	swc	bulk	0.43	5.22	0.34	15.35	1.79	292	19	5.6	0.08	436	0010-0B
2803.50	swc	Sltst : m gy to drk gy	0.24	2.01	0.28	7.18	1.11	181	25	2.3	0.11	434	0011-1L
2810.90	swc	Sltst : m gy to drk gy	0.71	7.00	0.16	43.75	2.32	302	7	7.7	0.09	434	0012-1L
2821.90	swc	S/Sst : m gy to drk gy	0.13	0.84	0.30	2.80	0.89	94	34	1.0	0.13	435	0013-1L
2835.50	swc	bulk	0.27	1.40	0.42	3.33	1.07	131	39	1.7	0.16	435	0014-0B
2843.00	ccp	S/Sst : lt gy to m gy to brn gy	0.23	1.02	-	-	0.96	106	-	1.3	0.18	437	0015-1L

Table 2 : Rock-Eval table for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2846.00	ccp	S/Sst : lt gy to brn gy	0.14	0.79	-	-	0.73	108	-	0.9	0.15	437	0016-1L
2849.00	ccp	bulk	0.23	1.13	-	-	0.98	115	-	1.4	0.17	438	0017-0B
2851.00	ccp	Sltst : lt gy to lt brn gy	0.25	1.06	-	-	1.02	104	-	1.3	0.19	436	0018-1L
2873.00	ccp	S/Sst : w to lt gy to lt brn gy to pl y brn	4.35	0.48	0.23	2.09	0.54	89	43	4.8	0.90	389	0019-1L
2876.00	ccp	S/Sst : lt gy to m gy to lt brn gy to pl y brn	3.23	0.36	0.15	2.40	0.40	90	38	3.6	0.90	421	0020-1L
2879.00	ccp	S/Sst : lt brn gy to pl y brn to m gy	14.11	2.83	0.16	17.69	1.68	168	10	16.9	0.83	418	0021-1L
2881.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	10.19	1.67	0.21	7.95	1.12	149	19	11.9	0.86	414	0022-1L
2884.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	15.08	3.36	0.11	30.55	1.78	189	6	18.4	0.82	420	0023-1L
2887.00	ccp	S/Sst : lt brn gy to pl y brn	15.39	3.39	0.10	33.90	1.83	185	5	18.8	0.82	423	0024-1L
2890.00	ccp	S/Sst : m y brn to pl y brn to drk gy	18.71	3.98	0.09	44.22	2.02	197	4	22.7	0.82	423	0025-1L
2894.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	24.79	5.44	0.08	68.00	2.75	198	3	30.2	0.82	423	0027-1L

Table 2 : Rock-Eval table for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2896.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	28.11	6.50	0.06	108.33	3.14	207	2	34.6	0.81	421	0026-1L
2899.00	ccp	S/Sst : m gy to brn gy	2.73	2.67	0.20	13.35	1.67	160	12	5.4	0.51	437	0028-1L
2902.00	ccp	S/Sst : y gy to lt brn gy	8.85	1.86	0.08	23.25	1.16	160	7	10.7	0.83	398	0029-1L
2905.00	ccp	S/Sst : lt brn gy to drk gy	8.93	2.16	0.07	30.86	1.27	170	6	11.1	0.81	419	0030-1L
2907.70	ccp	S/Sst : m gy to lt brn gy	0.08	0.11	0.41	0.27	0.34	32	121	0.2	0.42	434	0031-1L
2913.00	ccp	S/Sst : lt brn gy to brn gy to drk gy	8.42	1.82	0.18	10.11	1.40	130	13	10.2	0.82	432	0032-1L
2921.00	ccp	S/Sst : lt brn gy to m brn	1.33	0.14	0.21	0.67	0.41	34	51	1.5	0.90	357	0034-1L
2925.00	ccp	S/Sst : lt brn gy to pl y	9.41	2.00	0.18	11.11	1.18	169	15	11.4	0.82	418	0035-1L
2929.00	ccp	S/Sst : lt brn gy to pl y brn to drk gy	8.85	2.47	0.12	20.58	1.23	201	10	11.3	0.78	431	0036-1L
2936.00	ccp	S/Sst : lt brn gy	3.71	8.08	0.11	73.45	3.64	222	3	11.8	0.31	445	0037-1L
2944.00	ccp	S/Sst : lt brn gy to lt gy	3.76	2.14	0.08	26.75	1.34	160	6	5.9	0.64	441	0038-1L
2951.40	ccp	Coal : blk	17.54	163.50	1.92	85.16	68.20	240	3	181.0	0.10	440	0039-1L
2952.80	ccp	Coal : blk	12.08	222.91	2.91	76.60	61.80	361	5	235.0	0.05	444	0040-1L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2969.50	swc	Sh/Clst: m brn to m red brn	0.13	0.13	0.21	0.62	0.28	46	75	0.3	0.50	429	0041-1L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2747.50	swc	Sh/Clst: brn gy to drk gy	2.01	11.51	30.56	55.92	16.76	0001-1L
2751.00	swc	bulk	2.09	10.94	31.79	55.18	15.79	0003-0B
2755.00	swc	bulk	6.39	27.44	55.65	10.52	1.12	0004-0B
2761.30	swc	Sltst : m gy	1.64	9.83	30.73	57.80	15.40	0006-1L
2794.50	swc	bulk	2.95	13.28	34.03	49.74	5.22	0010-0B
2803.50	swc	Sltst : m gy to drk gy	3.95	22.15	50.42	23.48	2.01	0011-1L
2810.90	swc	Sltst : m gy to drk gy	3.72	16.09	37.59	42.61	7.00	0012-1L
2835.50	swc	bulk	4.85	23.95	50.11	21.09	1.40	0014-0B
2851.00	ccp	Sltst : lt gy to lt brn gy	7.23	24.34	49.07	19.36	1.06	0018-1L
2952.80	ccp	Coal : blk	7.52	13.05	25.23	54.20	222.91	0040-1L
2969.50	swc	Sh/Clst: m brn to m red brn	7.23	35.16	52.79	4.81	0.13	0041-1L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 15/12-6

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
2749.00	swc	bulk	2.9	16.2	3.6	2.6	3.6	6.4	6.2	10.0	3.51	0002-0B
2751.00	swc	bulk	3.6	19.5	6.0	3.5	3.1	6.9	9.5	10.0	4.02	0003-0B
2755.00	swc	bulk	0.1	0.9	0.2	0.2	0.1	0.4	0.4	0.5	0.93	0004-0B
2755.50	swc	bulk	0.1	0.4	-	-	-	-	-	-	2.37	0005-0B
2768.50	swc	Slst : m gy	3.3	13.0	3.0	2.4	1.9	5.7	5.4	7.6	2.57	0007-1L
2780.50	swc	Sh/Clst: m gy to drk gy	2.1	7.2	-	-	-	-	-	-	2.72	0008-1L
2787.50	swc	Sh/Clst: m gy to drk gy	1.2	4.6	-	-	-	-	-	-	2.40	0009-1L
2873.00	ccp	S/Sst : w to lt gy to lt brn gy to pl y brn	16.3	115.6	-	-	-	-	-	-	0.43	0019-1L
2876.00	ccp	S/Sst : lt gy to m gy to lt brn gy to pl y brn	18.8	117.5	-	-	-	-	-	-	0.37	0020-1L
2879.00	ccp	S/Sst : lt brn gy to pl y brn to m gy	18.1	352.1	230.8	41.7	27.5	52.1	272.5	79.6	1.35	0021-1L
2881.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	18.3	245.0	120.1	57.6	27.7	39.6	177.7	67.3	0.94	0022-1L
2884.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	14.0	275.8	136.5	66.6	28.3	44.4	203.1	72.7	1.39	0023-1L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 15/12-6

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
2887.00	ccp	S/Sst : lt brn gy to pl y brn	17.1	327.2	168.6	81.6	31.4	45.6	250.2	77.0	1.41	0024-1L
2890.00	ccp	S/Sst : m y brn to pl y brn to drk gy	17.6	394.5	195.7	90.2	48.2	60.4	285.9	108.6	1.62	0025-1L
2894.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	14.3	455.3	239.4	111.9	24.2	79.8	351.3	104.0	2.08	0027-1L
2896.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	13.0	463.4	222.7	105.9	49.7	85.1	328.6	134.8	2.27	0026-1L
2899.00	ccp	S/Sst : m gy to brn gy	17.1	87.2	-	-	-	-	-	-	.72	0028-1L
2902.00	ccp	S/Sst : y gy to lt brn gy	16.3	210.3	97.1	45.0	27.2	41.0	142.1	68.2	0.93	0029-1L
2905.00	com	Composite sample - see table 4 e	17.3	223.1	106.0	45.1	26.1	45.9	151.1	72.0	1.18	0072-0B
2907.70	ccp	S/Sst : m gy to lt brn gy	16.0	19.3	-	-	-	-	-	-	0.22	0031-1L
2913.00	ccp	S/Sst : lt brn gy to brn gy to drk gy	11.5	163.6	-	-	-	-	-	-	1.43	0032-1L
2921.00	ccp	S/Sst : lt brn gy to m brn	16.1	64.0	-	-	-	-	-	-	0.25	0034-1L
2925.00	ccp	S/Sst : lt brn gy to pl y	11.4	180.6	-	-	-	-	-	-	1.00	0035-1L
2929.00	com	Composite sample - see table 4 e	13.2	169.3	76.3	37.8	24.3	30.9	114.1	55.2	1.06	0073-0B

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 15/12-6

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
2936.00	ccp	S/Sst : lt brn gy	10.6	69.7	-	-	-	-	-	-	3.55	0037-1L
2944.00	ccp	S/Sst : lt brn gy to lt gy	11.8	88.2	-	-	-	-	-	-	1.52	0038-1L
2951.40	ccp	Coal : blk	2.2	21.2	3.4	7.7	8.3	1.8	11.1	10.1	68.20	0039-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2749.00	swc bulk	5625	1249	902	1249	2222	2152	3472	0002-0B
2751.00	swc bulk	5462	1680	980	868	1932	2661	2801	0003-0B
2755.00	swc bulk	18000	4000	4000	2000	7999	8000	9999	0004-0B
2755.50	swc bulk	8000	-	-	-	-	-	-	0005-0B
2768.50	swc Sltst : m gy	3963	914	731	579	1737	1646	2317	0007-1L
2780.50	swc Sh/Clst: m gy to drk gy	3478	-	-	-	-	-	-	0008-1L
2787.50	swc Sh/Clst: m gy to drk gy	3801	-	-	-	-	-	-	0009-1L
2873.00	ccp S/Sst : w to lt gy to lt brn gy to pl y brn	7074	-	-	-	-	-	-	0019-1L
2876.00	ccp S/Sst : lt gy to m gy to lt brn gy to pl y brn	6256	-	-	-	-	-	-	0020-1L
2879.00	ccp S/Sst : lt brn gy to pl y brn to m gy	19431	12737	2301	1517	2875	15038	4392	0021-1L
2881.00	ccp S/Sst : lt brn gy to pl y brn to m y brn	13409	6573	3152	1516	2167	9726	3683	0022-1L
2884.00	ccp S/Sst : lt brn gy to pl y brn to m y brn	19756	9777	4770	2027	3180	14548	5207	0023-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2887.00	ccp S/Sst : lt brn gy to pl y brn	19123	9853	4769	1835	2665	14623	4500	0024-1L
2890.00	ccp S/Sst : m y brn to pl y brn to drk gy	22427	11125	5127	2740	3433	16253	6173	0025-1L
2894.00	ccp S/Sst : m y brn to pl y brn to brn gy to drk gy	31816	16729	7819	1691	5576	24549	7267	0027-1L
2896.00	ccp S/Sst : m y brn to pl y brn to brn gy to drk gy	35673	17143	8152	3826	6551	25296	10377	0026-1L
2899.00	ccp S/Sst : m gy to brn gy	5087	-	-	-	-	-	-	0028-1L
2902.00	ccp S/Sst : y gy to lt brn gy	12901	5957	2760	1668	2515	8717	4184	0029-1L
2905.00	com Composite sample - see table 4 e	12881	6120	2603	1506	2650	8724	4157	0072-0B
2907.70	ccp S/Sst : m gy to lt brn gy	1203	-	-	-	-	-	-	0031-1L
2913.00	ccp S/Sst : lt brn gy to brn gy to drk gy	14275	-	-	-	-	-	-	0032-1L
2921.00	ccp S/Sst : lt brn gy to m brn	3977	-	-	-	-	-	-	0034-1L
2925.00	ccp S/Sst : lt brn gy to pl y	15800	-	-	-	-	-	-	0035-1L
2929.00	com Composite sample - see table 4 e	12854	5793	2870	1845	2346	8663	4191	0073-0B

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2936.00	ccp S/Sst : lt brn gy	6569	-	-	-	-	-	-	0037-1L
2944.00	ccp S/Sst : lt brn gy to lt gy	7506	-	-	-	-	-	-	0038-1L
2951.40	ccp Coal : blk	9814	1574	3564	3842	833	5138	4675	0039-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2749.00	swc	bulk	160.26	35.61	25.72	35.61	63.31	61.33	98.92	0002-0B
2751.00	swc	bulk	135.88	41.81	24.39	21.60	48.08	66.20	69.68	0003-0B
2755.00	swc	bulk	1935.48	430.11	430.11	215.05	860.22	860.22	1075.27	0004-0B
2755.50	swc	bulk	337.55	-	-	-	-	-	-	0005-0B
2768.50	swc	Sltst : m gy	154.22	35.59	28.47	22.54	67.62	64.06	90.16	0007-1L
2780.50	swc	Sh/Clst: m gy to drk gy	127.88	-	-	-	-	-	-	0008-1L
2787.50	swc	Sh/Clst: m gy to drk gy	158.40	-	-	-	-	-	-	0009-1L
2873.00	ccp	S/Sst : w to lt gy to lt brn gy to pl y brn	1645.27	-	-	-	-	-	-	0019-1L
2876.00	ccp	S/Sst : lt gy to m gy to lt brn gy to pl y brn	1690.99	-	-	-	-	-	-	0020-1L
2879.00	ccp	S/Sst : lt brn gy to pl y brn to m gy	1439.38	943.50	170.47	112.42	212.98	1113.97	325.40	0021-1L
2881.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	1426.59	699.32	335.39	161.29	230.58	1034.72	391.88	0022-1L
2884.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	1421.33	703.45	343.22	145.84	228.81	1046.67	374.66	0023-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2887.00	ccp S/Sst : lt brn gy to pl y brn	1356.26	698.86	338.24	130.15	189.01	1037.09	319.17	0024-1L
2890.00	ccp S/Sst : m y brn to pl y brn to drk gy	1384.41	686.77	316.54	169.15	211.96	1003.31	381.11	0025-1L
2894.00	ccp S/Sst : m y brn to pl y brn to brn gy to drk gy	1529.66	804.31	375.95	81.30	268.10	1180.25	349.41	0027-1L
2896.00	ccp S/Sst : m y brn to pl y brn to brn gy to drk gy	1571.52	755.24	359.14	168.55	288.60	1114.38	457.15	0026-1L
2899.00	ccp S/Sst : m gy to brn gy	295.79	-	-	-	-	-	-	0028-1L
2902.00	ccp S/Sst : y gy to lt brn gy	1387.29	640.54	296.85	179.43	270.47	937.40	449.90	0029-1L
2905.00	com Composite sample - see table 4 e	1091.62	518.65	220.67	127.71	224.59	739.32	352.29	0072-0B
2907.70	ccp S/Sst : m gy to lt brn gy	546.93	-	-	-	-	-	-	0031-1L
2913.00	ccp S/Sst : lt brn gy to brn gy to drk gy	998.30	-	-	-	-	-	-	0032-1L
2921.00	ccp S/Sst : lt brn gy to m brn	1591.05	-	-	-	-	-	-	0034-1L
2925.00	ccp S/Sst : lt brn gy to pl y	1580.05	-	-	-	-	-	-	0035-1L
2929.00	com Composite sample - see table 4 e	1212.73	546.55	270.77	174.07	221.34	817.32	395.41	0073-0B

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2936.00	ccp	S/Sst : lt brn gy	185.05	-	-	-	-	-	-	0037-1L
2944.00	ccp	S/Sst : lt brn gy to lt gy	493.84	-	-	-	-	-	-	0038-1L
2951.40	ccp	Coal : blk	14.39	2.31	5.23	5.63	1.22	7.54	6.86	0039-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 15/12-6

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	
2749.00	swc	bulk	22.22	16.05	22.22	39.51	38.27	61.73	138.46	62.00	0002-0B
2751.00	swc	bulk	30.77	17.95	15.90	35.38	48.72	51.28	171.43	95.00	0003-0B
2755.00	swc	bulk	22.22	22.22	11.11	44.44	44.44	55.56	100.00	80.00	0004-0B
2755.50	swc	bulk	-	-	-	-	-	-	-	-	0005-0B
2768.50	swc	Sltst : m gy	23.08	18.46	14.62	43.85	41.54	58.46	125.00	71.05	0007-1L
2780.50	swc	Sh/Clst: m gy to drk gy	-	-	-	-	-	-	-	-	0008-1L
2787.50	swc	Sh/Clst: m gy to drk gy	-	-	-	-	-	-	-	-	0009-1L
2873.00	ccp	S/Sst : w to lt gy to lt brn gy to pl y brn	-	-	-	-	-	-	-	-	0019-1L
2876.00	ccp	S/Sst : lt gy to m gy to lt brn gy to pl y brn	-	-	-	-	-	-	-	-	0020-1L
2879.00	ccp	S/Sst : lt brn gy to pl y brn to m gy	65.55	11.84	7.81	14.80	77.39	22.61	553.48	342.34	0021-1L
2881.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	49.02	23.51	11.31	16.16	72.53	27.47	208.51	264.04	0022-1L
2884.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	49.49	24.15	10.26	16.10	73.64	26.36	204.95	279.37	0023-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 15/12-6

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	
2887.00	ccp	S/Sst : lt brn gy to pl y brn	51.53	24.94	9.60	13.94	76.47	23.53	206.62	324.94	0024-1L
2890.00	ccp	S/Sst : m y brn to pl y brn to drk gy	49.61	22.86	12.22	15.31	72.47	27.53	216.96	263.26	0025-1L
2894.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	52.58	24.58	5.32	17.53	77.16	22.84	213.94	337.79	0027-1L
2896.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	48.06	22.85	10.73	18.36	70.91	29.09	210.29	243.77	0026-1L
2899.00	ccp	S/Sst : m gy to brn gy	-	-	-	-	-	-	-	-	0028-1L
2902.00	ccp	S/Sst : y gy to lt brn gy	46.17	21.40	12.93	19.50	67.57	32.43	215.78	208.36	0029-1L
2905.00	com	Composite sample - see table 4 e	47.51	20.22	11.70	20.57	67.73	32.27	235.03	209.86	0072-0B
2907.70	ccp	S/Sst : m gy to lt brn gy	-	-	-	-	-	-	-	-	0031-1L
2913.00	ccp	S/Sst : lt brn gy to brn gy to drk gy	-	-	-	-	-	-	-	-	0032-1L
2921.00	ccp	S/Sst : lt brn gy to m brn	-	-	-	-	-	-	-	-	0034-1L
2925.00	ccp	S/Sst : lt brn gy to pl y	-	-	-	-	-	-	-	-	0035-1L
2929.00	com	Composite sample - see table 4 e	45.07	22.33	14.35	18.25	67.40	32.60	201.85	206.70	0073-0B

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 15/12-6

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	
2936.00	ccp	S/Sst : lt brn gy	-	-	-	-	-	-	-	-	0037-1L
2944.00	ccp	S/Sst : lt brn gy to lt gy	-	-	-	-	-	-	-	-	0038-1L
2951.40	ccp	Coal : blk	16.04	36.32	39.15	8.49	52.36	47.64	44.16	109.90	0039-1L

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>
2905.00	2905.00	com	0072-0B is composed of:	2905.00	ccp	S/Sst : lt brn gy to drk gy, hd, f, st	0030-1L
				2905.00	ccp	Coal : blk	0030-2L
2929.00	2929.00	com	0073-0B is composed of:	2929.00	ccp	S/Sst : lt brn gy to pl y brn to drk gy, hd, st	0036-1L
				2929.00	ccp	Coal : blk	0036-2L

Table 5a:

TCL - FID (Iatroscan) Separation Data

Depth (m)	(ppm) Sat.	(ppm) M+D Aro	(ppm) P.Aro	(ppm) Total Aro	(ppm) Polar	(ppm) EOM	Sat/Aro	HC/EOM
2755.5	952	502	734	1236	2002	4190	0.77	0.52
2780.5	689	616	512	1128	2151	3968	0.61	0.46
2787.5	679	432	600	1032	1726	3437	0.66	0.50
2873.0	2829	995	953	1948	587	5364	1.45	0.89
2876.0	680	222	194	416	153	1249	1.63	0.88
2899.0	1554	554	471	1025	575	3154	1.52	0.82
2907.7	63	16	17	33	97	193	1.90	0.49
2913.0	4310	1412	1476	2888	937	8135	1.49	0.89
2921.0	1332	422	333	755	500	2587	1.76	0.81
2925.0	4482	1474	1374	2848	946	8276	1.57	0.89
2936.0	1361	517	1123	1640	1125	4126	0.83	0.73
2944.0	2238	816	768	1584	1443	5265	1.41	0.73

Table 5b:

Relative percentages of separated components

Depth (m)	% Sat	% Aro	% Polar
2755.5	22.72	29.50	47.78
2780.5	17.36	28.42	54.21
2787.5	19.75	30.02	50.22
2873.0	52.74	36.32	10.94
2876.0	54.44	33.31	12.25
2899.0	49.27	32.5	18.23
2907.7	32.64	17.1	50.25
2913.0	52.98	35.50	11.52
2921.0	51.49	29.18	19.33
2925.0	54.16	34.41	11.43
2936.0	32.99	39.75	27.27
2944.0	42.51	30.09	27.41

Table 6 : Saturated Hydrocarbon Ratios for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
2749.00	swc	bulk	0.94	1.32	0.88	0.82	1.16	0002-0B
2751.00	swc	bulk	0.90	1.30	0.86	0.82	1.05	0003-0B
2755.00	swc	bulk	0.53	0.98	0.46	0.41	1.20	0004-0B
2768.50	swc	Sltst : m gy	0.95	1.57	0.83	0.70	1.08	0007-1L
2879.00	ccp	S/Sst : lt brn gy to pl y brn to m gy	0.56	1.44	0.51	0.45	1.05	0021-1L
2881.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	0.63	1.44	0.57	0.50	1.08	0022-1L
2884.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	0.60	1.44	0.54	0.47	1.07	0023-1L
2887.00	ccp	S/Sst : lt brn gy to pl y brn	0.61	1.42	0.55	0.49	1.05	0024-1L
2890.00	ccp	S/Sst : m y brn to pl y brn to drk gy	0.63	1.48	0.56	0.48	1.03	0025-1L
2894.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	0.59	1.43	0.54	0.48	1.05	0027-1L
2896.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	0.66	1.42	0.59	0.51	1.05	0026-1L

Table 6 : Saturated Hydrocarbon Ratios for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
2902.00	ccp S/Sst	: y gy to lt brn gy	0.59	1.46	0.53	0.46	1.08	0029-1L
2905.00	com bulk		0.60	1.46	0.54	0.47	1.06	0072-0B
2929.00	com bulk		0.61	1.46	0.55	0.48	1.07	0073-0B
2951.40	ccp Coal	: blk	9.13	5.77	3.33	0.71	1.36	0039-1L

Table 7 : Aromatic Hydrocarbon Ratios for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2749.00	swc	bulk	0.78	1.11	0.09	-	0.40	-	0.64	0.34	0.26	0.12	0002-0B
2751.00	swc	bulk	0.93	1.18	0.10	0.83	0.70	0.65	0.82	0.36	0.26	0.12	0003-0B
2755.00	swc	bulk	-	-	-	-	-	-	-	-	-	-	0004-0B
2768.50	swc	sltst : m gy	0.94	1.34	0.11	0.86	0.68	0.65	0.81	0.36	0.27	0.15	0007-1L
2879.00	ccp	S/Sst : lt brn gy to pl y brn to m gy	1.03	2.08	0.10	0.72	0.65	0.69	0.79	0.44	3.44	0.51	0021-1L
2881.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	1.03	1.71	0.05	0.73	0.59	0.63	0.75	-	-	-	0022-1L
2884.00	ccp	S/Sst : lt brn gy to pl y brn to m y brn	1.00	1.78	0.09	0.79	0.64	0.66	0.78	-	-	-	0023-1L
2887.00	ccp	S/Sst : lt brn gy to pl y brn	1.06	1.72	0.09	0.74	0.61	0.65	0.77	0.29	3.42	0.58	0024-1L
2890.00	ccp	S/Sst : m y brn to pl y brn to drk gy	1.12	1.79	0.11	0.72	0.60	0.61	0.76	0.29	3.77	0.61	0025-1L
2894.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	1.19	1.71	0.16	0.81	0.59	0.64	0.75	0.31	4.15	0.63	0027-1L
2896.00	ccp	S/Sst : m y brn to pl y brn to brn gy to drk gy	1.15	1.87	0.11	0.76	0.61	0.63	0.77	0.30	2.75	0.55	0026-1L
2902.00	ccp	S/Sst : y gy to lt brn gy	1.16	1.83	0.13	0.74	0.56	0.61	0.74	0.29	3.59	0.61	0029-1L

Table 7 : Aromatic Hydrocarbon Ratios for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2905.00	com	bulk	1.10	1.81	0.14	0.78	0.58	0.65	0.75	0.31	3.67	0.56	0072-0B
2929.00	com	bulk	1.06	1.77	0.10	0.75	0.60	0.65	0.76	0.26	3.80	0.45	0073-0B
2951.40	ccp	Coal : blk	1.33	1.85	0.10	0.73	0.58	0.70	0.75	0.33	1.42	1.21	0039-1L

Table 8 : Thermal Maturity Data for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
1000.00	cut bulk	0.43	2	0.06	-	-	-	0042-0B
1100.00	cut bulk	0.33	13	0.06	-	-	-	0043-0B
1200.00	cut bulk	0.33	10	0.06	-	-	-	0044-0B
1300.00	cut bulk	0.37	13	0.07	-	-	-	0045-0B
1400.00	cut bulk	0.33	12	0.04	-	-	-	0046-0B
1500.00	cut bulk	0.34	10	0.03	-	-	-	0047-0B
1600.00	cut bulk	0.36	13	0.04	-	-	-	0048-0B
1700.00	cut bulk	0.39	9	0.03	-	-	-	0049-0B
1800.00	cut bulk	0.37	13	0.05	-	-	-	0050-0B
1900.00	cut bulk	0.40	18	0.08	-	-	-	0051-0B
2000.00	cut bulk	0.40	13	0.06	-	-	-	0052-0B
2100.00	cut bulk	0.41	13	0.05	-	-	-	0053-0B
2200.00	cut bulk	0.48	12	0.10	-	-	-	0054-0B
2300.00	cut bulk	0.47	15	0.07	-	-	-	0055-0B

Table 8 : Thermal Maturity Data for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2402.00	cut bulk	0.72	4	0.12	-	-	-	0056-0B
2500.00	cut bulk	0.59	4	0.10	-	-	-	0057-0B
2600.00	cut bulk	0.60	15	0.08	-	-	-	0058-0B
2700.00	cut bulk	0.51	16	0.06	-	-	-	0059-0B
2715.00	cut bulk	0.57	16	0.14	-	-	-	0060-0B
2730.00	cut bulk	0.52	14	0.07	-	-	-	0061-0B
2745.00	cut bulk	0.57	11	0.12	-	-	-	0062-0B
2747.50	swc Sh/Clst: brn gy to drk gy	-	-	-	-	6.0(??)	429	0001-1L
2749.00	swc bulk	0.50	13	0.10	-	-	428	0002-0B
2751.00	swc bulk	0.50	10	0.07	-	6.0(??)	427	0003-0B
2755.00	swc bulk	-	-	-	-	6.0-6.5(??)	433	0004-0B
2755.50	swc bulk	0.45	8	0.09	-	-	428	0005-0B
2761.30	swc Sltst : m gy	-	-	-	-	5.5-6.0(??)	427	0006-1L
2794.50	swc bulk	0.40	11	0.07	-	5.5	436	0010-0B

Table 8 : Thermal Maturity Data for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2803.50	swc Sltst : m gy to drk gy	-	-	-	-	5.5-6.0	434	0011-1L
2821.90	swc bulk	0.41	13	0.09	-	-	-	0013-0B
2835.50	swc bulk	-	-	-	-	6.0(?)	435	0014-0B
2851.00	ccp bulk	0.58	10	0.07	-	-	-	0018-0B
2851.00	ccp Sltst : lt gy to lt brn gy	-	-	-	-	5.5	436	0018-1L
2871.00	cut bulk	0.51	14	0.05	-	-	-	0068-0B
2905.00	ccp bulk	0.52	1	0.00	-	-	-	0030-0B
2951.40	ccp bulk	0.72	13	0.05	-	-	-	0039-0B
2952.80	ccp bulk	0.80	12	0.04	-	-	-	0040-0B
2952.80	ccp Coal : blk	-	-	-	-	6.0-6.5	444	0040-1L
2981.00	cut bulk	0.52	16	0.10	-	-	-	0069-0B
3046.00	cut bulk	0.51	14	0.08	-	-	-	0070-0B

Depth unit of measure: m

Depth	Typ	Lithology	LIP %	A m l	L i p / D e t	S p o l	C u r t i c l i n e	R e g i s t r a l	D i n c r i t	A B L	I N E R T %	F u s i o n	S e m F u e l	M e t r e i n	S c l e r o I	V I T R %	T e l l i n	C o l l e n t	V i t r o l	A m B	V V	Sample
2747.50	swc	Sh/Clst: brn gy to drk gy	85	**	*	*	**	*	*		10		*			5	*	**				0001-1L
2751.00	swc	bulk	85	**	*	*	**	*	*		10	*	**	*		TR	*	*				0003-0B
2755.00	swc	bulk	NDP	**			*	*			NDP		*			NDP		*				0004-0B
2761.30	swc	Sltst : m gy	95	**	*		*	*	?		5		*			TR	*	*				0006-1L
2794.50	swc	bulk	50	*	*		**	*			25	*	**			25	**	*				0010-0B
2803.50	swc	Sltst : m gy to drk gy	NDP	*	*	*	*	*			NDP		*			NDP		*				0011-1L
2835.50	swc	bulk	90	**	*	*	*	*			10		*			TR	*	*				0014-0B
2851.00	ccp	Sltst : lt gy to lt brn gy	TR		**		*				25	*	**			75	*	**				0018-1L
2952.80	ccp	Coal : blk	20	*	*	*	**				TR		*			80	*	*	*			0040-1L

Table 10a : Tabulation of carbon isotope data for EOM/Oil - fractions or Oils for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
2747.50	swc		-	-	-	-	-	-26.29	0001-1L
2749.00	swc		-	-29.18	-28.53	-28.67	-28.59	-	0002-0B
2751.00	swc		-	-28.66	-28.04	-28.24	-28.43	-	0003-0B
2755.00	swc		-	-	-	-	-	-25.93	0004-0B
2768.50	swc		-	-28.88	-28.65	-28.66	-29.01	-	0007-1L
2803.50	swc		-	-	-	-	-	-27.13	0011-1L
2835.50	swc		-	-	-	-	-	-25.79	0014-0B
2879.00	ccp		-28.89	-29.19	-28.26	-28.59	-29.13	-	0021-1L
2881.00	ccp		-28.90	-29.09	-28.52	-28.94	-29.00	-	0022-1L
2884.00	ccp		-28.89	-29.31	-28.54	-28.98	-29.07	-	0023-1L
2887.00	ccp		-28.90	-29.28	-28.55	-28.77	-29.02	-	0024-1L
2890.00	ccp		-29.24	-29.26	-28.49	-28.84	-29.34	-	0025-1L
2894.00	ccp		-28.90	-29.25	-28.53	-29.65	-28.82	-	0027-1L
2896.00	ccp		-29.00	-29.25	-28.52	-29.53	-29.07	-	0026-1L
2902.00	ccp		-28.99	-29.20	-28.55	-29.81	-29.05	-	0029-1L

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>EOM/Oil</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>NSO</u>	<u>Asphaltenes</u>	<u>Kerogen</u>	<u>Sample</u>
2905.00	com	Composite sample	-28.79	-29.22	-28.35	-29.79	-29.09	-	0072-0B
2929.00	com	Composite sample	-28.89	-29.29	-28.52	-29.19	-28.70	-	0073-0B
2951.40	ccp		-23.05	-24.89	-23.11	-23.09	-22.84	-	0039-1L
2952.80	ccp		-	-	-	-	-	-23.84	0040-1L

Table 10b : Tabulation of cv values from carbon isotope data for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	Saturated	Aromatic	cv value	Interpretation	Sample
2747.50	swc		-	-	-	Marine	0001-1L
2749.00	swc		-29.18	-28.53	-1.16	Marine	0002-0B
2751.00	swc		-28.66	-28.04	-1.39	Marine	0003-0B
2755.00	swc		-	-	-	Marine	0004-0B
2768.50	swc		-28.88	-28.65	-2.19	Marine	0007-1L
2803.50	swc		-	-	-	Marine	0011-1L
2835.50	swc		-	-	-	Marine	0014-0B
2879.00	ccp		-29.19	-28.26	-0.54	Marine	0021-1L
2881.00	ccp		-29.09	-28.52	-1.37	Marine	0022-1L
2884.00	ccp		-29.31	-28.54	-0.85	Marine	0023-1L
2887.00	ccp		-29.28	-28.55	-0.95	Marine	0024-1L
2890.00	ccp		-29.26	-28.49	-0.87	Marine	0025-1L
2894.00	ccp		-29.25	-28.53	-0.98	Marine	0027-1L
2896.00	ccp		-29.25	-28.52	-0.96	Marine	0026-1L
2902.00	ccp		-29.20	-28.55	-1.15	Marine	0029-1L

Table 10b : Tabulation of cv values from carbon isotope data for well NOCS 15/12-6

Depth unit of measure: m

Depth	Typ	Lithology	Saturated	Aromatic	cv value	Interpretation	Sample
2905.00	com	Composite sample	-29.22	-28.35	-0.66	Marine	0072-0B
2929.00	com	Composite sample	-29.29	-28.52	-0.86	Marine	0073-0B
2951.40	ccp		-24.89	-23.11	0.02	Marine	0039-1L
2952.80	ccp		-	-	-	Marine	0040-1L

Table 11A: Variation in Triterpane Distribution (peak height) for Well NOCS 15/12-6

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	C+D		J1		Sample
				B+E+F	C/E								E/E+F	C+D+E+F	D+F/C+E	J1+J2%	
2749.00	bulk	2.89	0.74	0.12	0.40	0.29	0.03	0.02	0.04	0.02	0.04	0.88	0.29	0.13	58.72	0002-0	
2751.00	bulk	2.59	0.72	0.12	0.03	0.03	0.03	0.40	12.40	0.28	0.06	0.90	0.05	0.14	62.30	0003-0	
2755.00	bulk	1.15	0.54	0.10	0.42	0.30	0.04	-	-	-	0.07	0.95	0.30	0.05	61.33	0004-0	
2768.50	Sltst	2.45	0.71	0.14	0.47	0.32	0.05	0.04	0.09	0.04	0.05	0.88	0.32	0.13	58.65	0007-1	
2879.00	S/Sst	0.63	0.39	0.07	0.40	0.29	0.04	0.02	0.06	0.02	0.04	0.95	0.28	0.03	64.42	0021-1	
2881.00	S/Sst	0.65	0.39	0.07	0.40	0.29	0.03	0.02	0.06	0.02	0.05	0.97	0.29	0.04	63.23	0022-1	
2884.00	S/Sst	0.63	0.38	0.07	0.43	0.30	0.03	0.02	0.06	0.02	0.04	0.96	0.30	0.05	63.62	0023-1	
2887.00	S/Sst	0.60	0.38	0.08	0.45	0.31	0.04	0.03	0.06	0.03	0.06	0.94	0.31	0.06	60.17	0024-1	
2890.00	S/Sst	0.67	0.40	0.08	0.42	0.30	0.04	0.02	0.05	0.02	0.04	0.94	0.30	0.07	62.74	0025-1	
2894.00	S/Sst	0.72	0.42	0.09	0.43	0.30	0.05	0.03	0.06	0.03	0.05	0.94	0.30	0.06	62.94	0027-1	
2896.00	S/Sst	0.75	0.43	0.11	0.49	0.33	0.05	0.04	0.07	0.04	0.06	0.92	0.33	0.08	60.63	0026-1	
2902.00	S/Sst	0.68	0.40	0.09	0.42	0.30	0.06	0.04	0.09	0.04	0.05	0.94	0.30	0.07	62.84	0029-1	
2905.00	S/Sst	0.72	0.42	0.10	0.40	0.28	0.05	0.04	0.09	0.03	0.05	0.93	0.28	0.07	62.58	0030-1	
2929.00	S/Sst	0.76	0.43	0.10	0.45	0.31	0.06	0.04	0.09	0.04	0.04	0.92	0.31	0.09	60.73	0036-1	

Table 11A: Variation in Triterpane Distribution (peak height) for Well NOCS 15/12-6

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%		
2951.40	Coal	-	1.00	0.34	0.84	0.46	0.01	0.17	0.20	0.14	-	0.76	0.43	0.26	60.46		0039-1	

Table 11B: Variation in Sterane Distribution (peak height) for Well NOCS 15/12-6

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
2749.00	bulk	0.46	31.79	50.49	1.33	0.62	0.21	0.15	0.34	0.47	0.75	0002-0
2751.00	bulk	0.57	34.72	47.92	1.71	0.57	0.22	0.17	0.32	0.53	0.70	0003-0
2755.00	bulk	0.70	35.85	67.48	1.04	0.74	0.45	0.33	0.51	0.56	1.62	0004-0
2768.50	Sltst	0.58	37.28	51.03	1.22	0.58	0.17	0.13	0.34	0.59	0.83	0007-1
2879.00	S/Sst	0.80	46.61	76.92	1.16	0.78	0.42	0.30	0.62	0.87	3.12	0021-1
2881.00	S/Sst	0.82	42.84	78.39	1.05	0.81	0.48	0.34	0.64	0.75	3.17	0022-1
2884.00	S/Sst	0.84	42.66	77.88	1.17	0.80	0.49	0.35	0.64	0.74	3.07	0023-1
2887.00	S/Sst	0.81	47.78	77.61	1.07	0.78	0.44	0.31	0.63	0.92	3.32	0024-1
2890.00	S/Sst	0.79	46.49	78.28	1.07	0.79	0.37	0.25	0.64	0.87	3.37	0025-1
2894.00	S/Sst	0.80	44.01	78.15	1.13	0.80	0.41	0.28	0.64	0.79	3.19	0027-1
2896.00	S/Sst	0.76	42.51	76.72	1.03	0.79	0.37	0.26	0.62	0.74	2.87	0026-1
2902.00	S/Sst	0.74	43.38	76.12	0.99	0.79	0.36	0.25	0.61	0.77	2.82	0029-1

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 11B: Variation in Sterane Distribution (peak height) for Well NOCS 15/12-6

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
2905.00	S/Sst	0.76	45.60	77.24	0.96	0.79	0.37	0.25	0.63	0.84	3.12	0030-1
2929.00	S/Sst	0.76	43.23	75.78	1.08	0.78	0.35	0.25	0.61	0.76	2.76	0036-1
2951.40	Coal	-	34.84	50.93	-	0.60	0.08	0.07	0.34	0.53	0.80	0039-1

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 11C: Raw GCMS triterpane data (peak height) for Well NOCS 15/12-6

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												
2749.00	bulk	28.57	8.85	10.25	5.29	2.26	10.98	31.78	3.32	82.63	0002-0									
		5.84	10.39	205.11	28.18	86.83	58.25	19.13	51.11											
		35.93	43.16	29.56	20.15	13.50	21.09	10.38												
2751.00	bulk	20.16	7.82	8.23	4.03	1.40	8.37	21.64	55.93	4.51	0003-0									
		4.53	4.53	141.35	15.90	61.67	38.78	9.76	35.94											
		21.75	28.66	17.39	10.72	4.79	8.50	4.57												
2755.00	bulk	0.57	0.35	0.00	0.30	0.00	0.52	0.60	0.00	2.24	0004-0									
		0.19	0.15	5.30	0.26	1.10	0.58	0.16	0.46											
		0.29	0.29	0.23	0.00	0.00	0.00	0.00												
2768.50	sltst	48.52	14.07	14.71	10.14	3.07	19.60	48.04	11.14	127.22	0007-1									
		14.80	16.39	271.63	35.41	110.05	91.23	27.93	81.17											
		57.23	64.78	43.43	36.68	18.24	34.27	20.41												
2879.00	S/Sst	6.86	3.80	2.07	2.26	1.01	13.79	8.66	2.53	42.06	0021-1									
		3.94	0.00	104.87	5.10	42.52	24.43	2.42	24.10											
		13.31	12.97	6.44	4.28	1.80	2.19	0.96												

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					
2881.00	S/Sst	5.41	4.16	1.64	2.57	0.92	10.48	6.82	2.00	35.40	0022-1								
		2.50	1.51	88.12	2.83	31.93	20.33	2.45	20.33										
		11.82	11.94	6.31	4.12	1.73	2.31	1.65											
2884.00	S/Sst	7.47	4.17	2.04	2.76	1.11	12.56	7.85	2.33	40.94	0023-1								
		3.11	1.84	95.76	4.41	38.33	22.06	1.85	21.74										
		12.43	13.07	6.52	4.65	2.05	2.47	1.14											
2887.00	S/Sst	9.57	6.71	1.97	4.10	1.33	16.23	9.75	2.96	47.06	0024-1								
		4.16	2.69	105.33	6.46	45.78	27.33	2.80	24.44										
		16.18	18.19	8.85	5.45	2.82	3.19	1.55											
2890.00	S/Sst	11.62	6.11	3.64	4.97	1.22	22.98	15.50	3.08	66.32	0025-1								
		6.52	4.17	156.56	10.46	58.71	41.27	4.81	44.13										
		26.21	27.99	16.11	10.35	4.63	6.38	3.15											
2894.00	S/Sst	12.42	7.66	3.78	5.46	1.80	23.21	16.78	4.11	65.55	0027-1								
		7.47	3.20	151.92	9.41	63.05	38.48	5.60	40.65										
		23.94	27.70	14.65	9.88	5.43	6.42	2.73											

Table 11C: Raw GCMS triterpane data (peak height) for Well NOCS 15/12-6

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			
2896.00	S/Sst	15.80	10.09	4.23	7.66	2.45	29.33	22.03	6.34	84.68	0026-1
		8.16	6.23	171.58	15.06	83.75	54.59	8.63	54.45		
		35.36	35.77	22.53	16.47	8.34	9.76	4.91			
2902.00	S/Sst	21.22	12.86	8.50	10.48	3.09	42.38	28.72	10.01	109.08	0029-1
		15.06	8.07	258.75	17.67	102.17	71.97	12.81	77.31		
		45.72	53.08	31.00	22.17	11.50	13.88	7.22			
2905.00	S/Sst	16.71	9.29	4.29	7.39	2.35	32.39	23.37	7.00	79.17	0030-1
		10.35	5.52	199.15	14.85	83.67	53.84	7.02	57.02		
		34.09	34.55	22.17	13.24	6.88	7.06	3.75			
2929.00	S/Sst	25.55	10.08	10.50	11.73	3.61	43.32	32.94	11.06	121.05	0036-1
		15.41	9.74	271.41	24.75	115.40	77.95	13.62	80.26		
		51.90	54.35	33.11	24.20	11.63	13.08	7.68			
2951.40	Coal	0.00	0.00	0.00	35.44	0.00	0.00	229.45	55.78	277.24	0039-1
		4.51	52.43	330.90	106.54	176.51	132.81	57.58	106.14		
		69.41	27.56	17.13	9.32	3.94	0.00	0.00			

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					
2749.00	bulk	31.25	7.48	74.76	52.36	18.05	21.10	31.49	20.80	58.92	0002-0
		50.41	28.31	86.61	40.42	12.91	24.67	21.30	16.16		
		50.61	30.68	32.03	17.18	65.84					
2751.00	bulk	23.44	4.85	74.37	45.31	14.40	17.46	16.18	12.22	37.81	0003-0
		42.49	18.05	56.25	26.72	8.84	12.12	10.66	10.40		
		23.22	23.75	20.98	10.49	44.65					
2755.00	bulk	0.73	0.17	0.71	0.44	0.13	0.00	0.24	0.19	0.23	0004-0
		0.44	0.38	0.30	0.36	0.14	0.10	0.29	0.25		
		0.00	0.19	0.37	0.18	0.34					
2768.50	Sltst	36.00	9.23	116.08	72.26	20.99	30.91	52.02	27.02	63.48	0007-1
		89.50	38.44	83.05	62.77	17.75	25.16	27.03	24.06		
		49.07	52.56	46.45	27.01	88.44					
2879.00	S/Sst	15.32	3.81	21.26	11.78	3.09	3.30	7.94	3.66	3.99	0021-1
		17.57	10.28	5.19	8.92	2.67	2.71	4.76	7.89		
		2.70	4.68	9.29	7.44	5.36					

Table 11D: Raw GCMS sterane data (peak height) for Well NOCS 15/12-6

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					
2881.00	S/Sst	14.21 12.71 1.97	3.39 7.01 2.96	15.73 3.51 7.03	8.77 8.05 5.50	1.93 1.58 3.95	2.73 2.23	6.40 5.43	2.92 6.62	4.24	0022-1
2884.00	S/Sst	15.84 15.16 2.32	3.59 8.60 3.17	18.64 3.60 7.28	10.62 7.90 5.80	2.38 1.87 4.26	2.75 2.36	6.36 4.34	3.16 6.29	4.36	0023-1
2887.00	S/Sst	17.83 20.32 2.58	5.13 11.01 5.06	24.84 5.89 11.20	12.89 11.21 7.15	3.02 2.76 5.53	4.31 2.99	8.16 7.74	4.09 9.14	6.41	0024-1
2890.00	S/Sst	21.81 28.55 4.89	6.06 18.38 7.95	34.80 9.46 17.32	20.41 17.93 13.50	4.97 3.59 9.15	6.26 5.42	13.35 11.84	6.57 14.42	11.07	0025-1
2894.00	S/Sst	25.16 29.01 4.42	5.67 17.41 7.02	35.48 8.79 15.80	20.70 15.70 12.72	6.25 3.98 8.93	6.42 5.43	12.88 12.42	6.65 13.86	9.66	0027-1

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					
2896.00	S/Sst	31.71	9.62	45.42	25.93	8.06	7.82	17.31	9.52	14.82	0026-1
		37.91	22.84	14.18	24.27	6.26	8.05	16.47	20.36		
		6.66	11.23	23.85	19.69	15.19					
2902.00	S/Sst	41.26	13.25	59.37	36.05	10.15	12.53	25.85	14.09	19.58	0029-1
		52.93	34.43	20.79	33.21	8.90	11.11	23.67	26.31		
		11.71	15.99	32.85	25.91	20.87					
2905.00	S/Sst	30.58	8.05	43.03	25.37	7.30	7.02	17.55	10.10	14.28	0030-1
		37.69	23.13	13.85	23.75	6.64	5.80	17.81	18.96		
		4.70	11.19	22.91	18.74	13.35					
2929.00	S/Sst	42.92	15.30	66.54	43.93	13.70	14.30	28.92	16.51	5.73	0036-1
		56.86	28.78	21.49	35.75	10.30	12.32	25.51	29.97		
		12.78	17.99	34.43	30.67	23.62					
2951.40	Coal	1.88	0.00	0.00	0.00	0.00	0.00	0.69	0.00	0.00	0039-1
		3.35	0.00	0.00	2.45	0.70	3.30	0.00	0.00		
		1.07	5.17	6.26	1.44	9.67					