

6.1

Drilling fluid well summary

36" and 24" section was drilled riserless, utilizing seawater as drilling fluid. High viscous pills was pumped as sequenced to ensure good hole cleaning. The 36" and 24" hole was displaced to 1.20 sg viscous mud prior to running casing.

The 17 1/2" section was drilled utilizing KCL/polymer mud as drilling fluid. The mud performed as expected and no significant problem was observed during the drilling operation. KCL level was maintained in the 100 - 110 kg/m³ range, and the rheology was controlled with PV values in the 21 - 28 cp range, and YP values in the 8 - 11 pascal range.

Initial mud weight was 1.20 sg, and was raised to a maximum of 1.41 sg at T.D of the section.

The mud used in the 17 1/2" section was also used in the 8 1/2" section. The mud weight was reduced to 1.25 sg and kept constant throughout the whole section. YP was reduced to the 6 - 8 Pascal range. The KCL level was gradually decreased to 70 kg/m³. The cuttings appeared slightly sticky at this KCL concentration.

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Geochemical Report for NOCS 6407/10-3

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SUMMARY

A total of 79 samples was analysed for source rock potential and occurrence of migrated hydrocarbons for the well NOCS 6407/10-3. A screening analysis program (lithology description, Rock-Eval pyrolysis, total organic carbon and Iatroscan TLC/FID). Samples for detailed geochemical analyses were selected mainly from side wall core samples and to a minor extent from cuttings. The follow-up analytical program included thermal extraction gas chromatography, pyrolysis - gas chromatography, solvent extraction, gas chromatography of the hydrocarbon fractions, isotope analysis and biomarker analysis (saturates).

Chapter 1

INTRODUCTION

1.1 General Comments

The well NOCS 6407/10-3 was studied for organic geochemistry on behalf of the operator Norsk Hydro with emphasis on evaluation of the source rocks (type and maturity) and the presence of migrated hydrocarbons.

The well is located at the position 07°18'10.40" Eastern longitude and 64°06'11.60" Northern latitude. The well was drilled down to the basement with a total depth of 2973 m. A total of 79 samples (28 cuttings, 42 side wall cores, 9 core chips) was received by Geolab Nor for geochemical analyses. All samples were subjected for screening analyses and subsequently follow-up analyses were carried out mainly on side wall cores and to a less extent on cuttings and core chips.

The report is presented, chapter and section-wise, in a chronological order of analyses, starting with the screening analyses. Each section discusses the results, where ever possible, in a stratigraphic context (top to bottom).

1.2 Analytical Program

In accordance with the contract the following planned analytical program was carried out, based on pre-selected side wall core samples, cuttings and core chip samples by Norsk Hydro. The samples used for the geochemical analyses covered the interval from 1530 m to 2952 m:

<u>Analysis type</u>	<u>No of samples</u>	<u>Figures</u>	<u>Tables</u>
Lithology description	79	2	1
Rock-Eval pyrolysis	79	3,4,5	2
Rock-Eval pyrolysis, solvent extracted	9		2
Iatroscan (EOM)	14		3
Thermal extraction GC (GHM, S1)	11	6a-c	
Pyrolysis GC (GHM, S2)	9	7a-b,8	4
Soxhlet Extraction of organic matter	18		
MPLC separation	18		5
Saturated hydrocarbon GC	18	9	6
Aromatic hydrocarbon GC	5		7
Isotope composition C ₁₅₊ fractions	18	10,11	8a-b
GC-MS of saturated HC	18	12a-i	9a-d

All the samples were supplied by Norsk Hydro. The stratigraphy was also supplied by the client and this report is based on the formation tops contained therein.

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1530.00						0001
	1.09	100	Sh/Clst: lt gy to m gy to brn gy, pyr, slt			0001-1L
1540.00						0002
	1.03	100	Sh/Clst: lt gy to m gy to drk gy, pyr, slt			0002-1L
1635.00						0003
	0.78	100	Sh/Clst: lt gy to m gy, slt			0003-1L
1640.00						0004
	0.75	100	Sh/Clst: lt gy to m gy to drk gy, slt tr Cont : bar			0004-1L 0004-2L
1645.00						0005
	0.68	100	Sh/Clst: lt gy to m gy to drk gy, slt tr Slstst : lt or			0005-1L 0005-2L
1710.00						0006
	0.88	100	Sh/Clst: lt gy to m gy to drk gy, pyr, slt tr Cont : prp			0006-1L 0006-2L
1715.00						0007
	0.88	95	Sh/Clst: lt gy to m gy to drk gy, pyr, slt			0007-1L
		5	Slstst : lt gy to lt ol gy, cly			0007-2L
			bulk			0007-0B
			tr Cont : prp			0007-3L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1720.00						0008
	0.79		90	Sh/Clst: lt gy to m gy, pyr, slt		0008-1L
			10	Slst : lt gy to lt ol gy, pyr, slt		0008-2L
				bulk		0008-0B
				tr Cont : prp		0008-3L
1777.00						0009
	0.83		75	Sh/Clst: m gy to drk gy, calc		0009-1L
			25	Sh/Clst: red brn, calc		0009-2L
				bulk		0009-0B
				tr Cont : prp, bar		0009-3L
1780.00						0010
	0.75		60	Sh/Clst: m gy to drk gy, calc		0010-1L
			35	Sh/Clst: red brn, calc		0010-2L
			5	Sh/Clst: lt gy to lt gy w, slt		0010-3L
				bulk		0010-0B
				tr Cont : bar		0010-4L
1782.00						0011
	0.72		65	Sh/Clst: m gy to drk gy, calc		0011-1L
			35	Sh/Clst: red brn, calc		0011-2L
				bulk		0011-0B
				tr Cont : bar		0011-3L
1791.00	swc					0042
	0.43	100		Sh/Clst: drk red brn to red brn, calc		0042-1L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1793.00	swc					0044
	0.07	100		Sh/Clst: red brn, slt		0044-1L
1797.00	swc					0043
	0.13	100		Sh/Clst: drk red brn to red brn, slt		0043-1L
1800.00						0012
			55	Ca : w, chk		0012-1L
			35	Sh/Clst: red brn to m brn, calc, slt		0012-2L
			10	Sh/Clst: lt gy to m gy, slt		0012-3L
	0.25			bulk		0012-0B
				tr Cont : prp		0012-4L
1801.00	swc					0047
	0.18	100		Sh/Clst: lt gy w to lt gy		0047-1L
1802.00						0013
			80	Ca : w, chk		0013-1L
			15	Sh/Clst: red brn to m brn, calc, slt		0013-2L
			5	Sh/Clst: lt gy to m gy, slt		0013-3L
	0.46			bulk		0013-0B
				tr Cont : prp		0013-4L
1803.00	swc					0046
	0.31	100		Sh/Clst: lt gy to m gy, slt, mic		0046-1L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	Lithology description			
1805.00						0014
		5.55	85	Sh/Clst: drk gy to gy blk, pyr, slt		0014-1L
			10	Ca : w to lt gy w, chk		0014-2L
			5	Sh/Clst: red brn to m brn, slt		0014-3L
				bulk		0014-0B
			tr	Cont : prp, fib		0014-4L
1805.00	swc					0045
		0.48	100	Sh/Clst: lt gy, slt		0045-1L
1807.00						0015
			80	Sh/Clst: m gy to drk gy to gy blk, pyr, slt		0015-1L
			10	Ca : w to lt gy w, chk		0015-2L
			10	Sh/Clst: red brn to m brn, slt		0015-3L
		3.95		bulk		0015-0B
			tr	Cont : prp, fib		0015-4L
1807.00	swc					0056
		1.87	100	Sh/Clst: dsk y brn to gy blk, pyr, slt		0056-1L
1809.00	swc					0055
		3.90	100	Sh/Clst: dsk y brn to gy blk, pyr, slt		0055-1L
1810.00						0016
			85	Sh/Clst: m gy to drk gy to gy blk, pyr, slt		0016-1L
			10	Sh/Clst: red brn to m brn, slt		0016-2L
			5	Ca : w to lt gy w, chk		0016-3L
		4.21		bulk		0016-0B
			tr	Cont : prp, fib		0016-4L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1811.00	swc					0054
	4.94	100		Sh/Clst: gy blk, slt		0054-1L
1812.00						0017
			90	Sh/Clst: m gy to drk gy to gy blk, pyr, slt		0017-1L
			5	Sh/Clst: red brn to m brn, slt		0017-2L
			5	Ca : w to lt gy w, chk		0017-3L
	5.11			bulk		0017-0B
			tr	Cont : prp, fib		0017-4L
1813.00	swc					0060
	4.94	100		Sh/Clst: gy blk to blk, slt, mic		0060-1L
1815.00						0018
			95	Sh/Clst: m gy to drk gy to gy blk, pyr, slt		0018-1L
			5	Sh/Clst: red brn to m brn, slt		0018-2L
	4.89			bulk		0018-0B
			tr	Ca : w to lt gy w, chk		0018-3L
			tr	Cont : prp, fib		0018-4L
1815.00	swc					0059
	5.35	100		Sh/Clst: gy blk to blk, slt, mic		0059-1L
1817.00						0019
			95	Sh/Clst: m gy to drk gy to gy blk, pyr, slt		0019-1L
			5	Sh/Clst: red brn to m brn, slt		0019-2L
	4.33			bulk		0019-0B
			tr	Ca : w to lt gy w, chk		0019-3L
			tr	Cont : prp, bar, fib		0019-4L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1817.00	swc					0058
	6.33	100	Sh/Clst: gy blk to blk, slt, mic			0058-1L
1819.00	swc					0057
	4.88	100	Sh/Clst: drk gy to gy blk, pyr, slt, mic			0057-1L
1820.00						0020
			95	Sh/Clst: m gy to drk gy to gy blk, pyr, slt		0020-1L
	4.67		5	Sh/Clst: red brn to m brn, slt bulk		0020-2L 0020-0B
			tr	Ca	: w to lt gy w, chk	0020-3L
			tr	Cont	: prp, bar	0020-4L
1821.00	swc					0061
	4.81	100	Sh/Clst: gy blk to blk, pyr, slt			0061-1L
1822.00						0021
			85	Sh/Clst: m gy to drk gy to gy blk, calc, pyr, slt		0021-1L
	3.77		15	Sltst : lt gy to lt ol gy, cly bulk		0021-2L 0021-0B
			tr	Sh/Clst: red brn to m brn, slt		0021-3L
			tr	Ca	: w, chk	0021-4L
			tr	Cont	: prp	0021-5L
1825.00						0022
			75	Sh/Clst: m gy to drk gy to gy blk, calc, pyr, slt		0022-1L
	3.76		25	Sltst : lt gy to lt ol gy, cly bulk		0022-2L 0022-0B
			tr	Sh/Clst: red brn to m brn, slt		0022-3L
			tr	Ca	: w, chk	0022-4L
			tr	Cont	: prp	0022-5L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1827.00						0023
				65 Sh/Clst: lt gy to m gy to drk gy, calc, pyr, slt		0023-1L
				25 sltst : lt gy to lt ol gy, cly		0023-2L
				10 Sh/Clst: red brn to m brn, slt		0023-3L
	3.00			bulk		0023-0B
				tr Ca : w, chk		0023-4L
				tr Cont : prp		0023-5L
1827.00	swc					0064
		2.52	100	Sh/Clst: drk gy to gy blk, pyr, slt		0064-1L
1829.00	swc					0063
		0.14	100	Sh/Clst: lt gy to lt ol gy, slt, mic		0063-1L
1830.00						0024
				70 Sh/Clst: drk gy to m gy, pyr, slt		0024-1L
				20 Sh/Clst: red brn to m brn, calc, slt		0024-2L
				5 Sltst : lt gy, cly		0024-3L
				5 Ca : w, chk		0024-4L
	3.55			bulk		0024-0B
				tr Cont : prp		0024-5L
1830.10	ccp					0070
		0.12	100	Sh/Clst: lt gy to lt ol gy, slt		0070-1L
1830.75	ccp					0072
		0.11	100	S/Sst : lt gy to lt gy w to lt gn gy to or gy, f, crs, cem, hd		0072-1L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1831.00	swc					0062
	0.08	100		Sh/Clst: red brn to m brn, slt		0062-1L
1831.50	ccp					0071
	0.07	100		S/Sst : lt gy to lt gy w to or red, f, crs, cem, hd		0071-1L
1832.00						0025
	0.88			75 Sh/Clst: red brn to m brn, calc, slt 15 Sh/Clst: drk gy to m gy, pyr, slt 10 Ca : w, chk bulk tr S/Sst : w, f, l tr Cont : prp		0025-1L 0025-2L 0025-3L 0025-0B 0025-4L 0025-5L
1832.80	ccp					0073
	0.17	100		S/Sst : lt gn gy to gn gy to w to lt gy, f, crs, cem, hd		0073-1L
1833.00	swc					0068
	0.21	100		S/Sst : lt gy w to lt gy, cly, f, cem		0068-1L
1833.35	ccp					0075
	0.07	100		S/Sst : w to lt gy to or gy to lt gn gy to y gn, f, crs, cem, hd		0075-1L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1833.65	ccp					0074
	0.07	100	S/Sst	: w to lt gy to or gy to lt gn gy, f, crs, cem, hd		0074-1L
1834.40	ccp					0076
	0.14	100	S/Sst	: w to m gy to or gy to lt gn gy to y gn, f, crs, cem, hd		0076-1L
1834.70	ccp					0077
	0.11	100	S/Sst	: w to m gy to or gy to lt gn gy to y gn, f, crs, cem, hd		0077-1L
1835.00						0026
			60	Sh/Clst: red brn to m brn, calc, slt		0026-1L
			20	Sh/Clst: drk gy to m gy, pyr, slt		0026-2L
			10	Ca : w, chk		0026-3L
			10	Cont : prp, bar		0026-4L
	1.15			bulk		0026-0B
			tr	S/Sst : w, f, l		0026-5L
1836.10	ccp					0078
	0.07	100	S/Sst	: w to m gy to or gy to lt gn gy to y gn, f, crs, cem, hd, cngl		0078-1L
1837.00						0027
			50	Sh/Clst: red brn to m brn, calc, slt		0027-1L
			20	Sh/Clst: drk gy to m gy, pyr, slt		0027-2L
			10	Ca : w, chk		0027-3L
			10	Cont : prp, bar		0027-4L
			5	S/Sst : w, f, l		0027-5L
	0.82		5	sltst : lt gy, cly		0027-6L
				bulk		0027-0B

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1840.00						0028
			50	Sh/Clst: red brn to m brn, calc, slt		0028-1L
			20	Sh/Clst: drk gy to m gy, pyr, slt		0028-2L
			10	Other : w, calc, f		0028-3L
			10	Cont : prp, bar		0028-4L
			5	S/Sst : w, f, l		0028-5L
			5	Sltst : lt gy, cly		0028-6L
	0.92			bulk		0028-0B
1840.00	swc					0067
	0.11	100	S/Sst	: lt gy to m brn to red brn, slt, cly, f		0067-1L
1850.00	swc					0066
	0.08	100	Sh/Clst:	red brn to m brn, slt		0066-1L
1890.00	swc					0065
	0.12	100	Sh/Clst:	red brn to m brn, slt, s		0065-1L
1977.00	swc					0069
	0.09	100	Sltst	: m brn to drk brn to brn gy, s, cly, mic		0069-1L
2082.50	swc					0036
	0.14	100	Sltst	: lt gy w to lt gy, s		0036-1L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2112.00	swc					0035
	0.13	100	Sltst	: drk brn, cly, mic		0035-1L
2173.00	swc					0038
	0.09	100	Sltst	: drk brn, cly		0038-1L
2221.00	swc					0037
	0.10	100	S/Sst	: drk brn to w to drk gy, cly, f, crs		0037-1L
2240.00	swc					0079
	0.37	100	Sh/Clst:	red brn to m brn, slt		0079-1L
2308.00	swc					0041
	0.09	100	Sltst	: m brn to red brn to lt gy w, calc, cly		0041-1L
2328.00	swc					0040
	0.59	100	Sltst	: drk brn, cly		0040-1L
2372.00	swc					0039
	0.10	100	Sh/Clst:	drk brn, slt		0039-1L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2427.00	swc					0032
	0.14	100	Sltst	: gn gy to w to m brn to red brn, slt, cly, f		0032-1L
2439.00	swc					0030
	0.10	100	Sltst	: gn gy to w to m brn, cly		0030-1L
2442.00	swc					0034
	0.11	100	Sltst	: lt gy to lt gn gy to w, mic		0034-1L
2463.50	swc					0031
	0.07	100	S/Sst	: red brn to m brn to w, slt, f, crs		0031-1L
2470.00	swc					0029
	0.08	100	S/Sst	: red brn to m brn, slt, f, crs		0029-1L
2480.00	swc					0033
	0.08	100	S/Sst	: m brn to red brn to w, slt, f, crs		0033-1L
2557.00	swc					0048
	0.08	100	S/Sst	: w to red brn, f, crs, cem		0048-1L

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Table 1 : Lithology description for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2682.00	swc					0052
	0.07	90	S/Sst	: w to lt gy to or red, f, crs, cem		0052-1L
		10	Sltst	: drk gn gy		0052-2L
2716.00	swc					0049
	0.14	100	S/Sst	: w to or red, f, crs, cem		0049-1L
2795.00	swc					0050
	0.10	100	S/Sst	: w to or red to gn gy to dsk y brn, cly, f, crs, cem		0050-1L
2860.00	swc					0053
	0.08	90	S/Sst	: red brn to m brn to w, mic, f, crs, cem		0053-1L
		10	Sh/Clst:	gy blk		0053-2L
2952.00	swc					0051
	0.07	100	S/Sst	: w to or red to gn gy, f, crs, cem		0051-1L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1530.00	cut	Sh/Clst: lt gy to m gy to brn gy	0.05	0.63	0.48	1.31	1.09	58	44	0.7	0.07	427	0001-1L
1540.00	cut	Sh/Clst: lt gy to m gy to drk gy	0.04	0.70	0.42	1.67	1.03	68	41	0.7	0.05	430	0002-1L
1635.00	cut	Sh/Clst: lt gy to m gy	0.07	0.54	0.61	0.89	0.78	69	78	0.6	0.11	427	0003-1L
1640.00	cut	Sh/Clst: lt gy to m gy to drk gy	0.05	0.58	1.00	0.58	0.75	77	133	0.6	0.08	433	0004-1L
1645.00	cut	Sh/Clst: lt gy to m gy to drk gy	0.05	0.38	0.70	0.54	0.68	56	103	0.4	0.12	430	0005-1L
1710.00	cut	Sh/Clst: lt gy to m gy to drk gy	0.03	0.43	0.46	0.93	0.88	49	52	0.5	0.07	431	0006-1L
1715.00	cut	bulk	0.05	0.52	0.63	0.83	0.88	59	72	0.6	0.09	426	0007-0B
1720.00	cut	bulk	0.04	0.36	0.76	0.47	0.79	46	96	0.4	0.10	424	0008-0B
1777.00	cut	bulk	0.07	0.50	0.90	0.56	0.83	60	108	0.6	0.12	424	0009-0B
1780.00	cut	bulk	0.10	0.46	1.17	0.39	0.75	61	156	0.6	0.18	413	0010-0B
1782.00	cut	bulk	0.06	0.36	0.91	0.40	0.72	50	126	0.4	0.14	423	0011-0B
1791.00	swc	Sh/Clst: drk red brn to red brn	0.34	0.39	1.82	0.21	0.43	91	423	0.7	0.47	398	0042-1L
1793.00	swc	Sh/Clst: red brn	0.01	-	0.99	-	0.07	-	1414	-	1.00	235	0044-1L
1797.00	swc	Sh/Clst: drk red brn to red brn	0.05	0.07	1.12	0.06	0.13	54	862	0.1	0.42	329	0043-1L
1800.00	cut	bulk	0.04	0.10	1.03	0.10	0.25	40	412	0.1	0.29	414	0012-0B

Table 2 : Rock-Eval table for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1801.00	swc	Sh/Clst: lt gy w to lt gy	0.01	0.05	0.95	0.05	0.18	28	528	0.1	0.17	400	0047-1L
1802.00	cut	bulk	0.03	0.05	1.12	0.04	0.46	11	243	0.1	0.38	329	0013-0B
1803.00	swc	Sh/Clst: lt gy to m gy	0.01	0.01	1.33	0.01	0.31	3	429	-	0.50	295	0046-1L
1805.00	cut	bulk	0.51	21.30	1.78	11.97	5.55	384	32	21.8	0.02	418	0014-0B
1805.00	swc	Sh/Clst: lt gy	0.01	0.03	1.08	0.03	0.48	6	225	-	0.25	380	0045-1L
1805.00	ext	swc	0.02	0.06	1.47	0.04	0.42	14	350	0.1	0.25	386	0080-0B
1807.00	cut	bulk	0.27	11.75	1.68	6.99	3.95	297	43	12.0	0.02	420	0015-0B
1807.00	swc	Sh/Clst: dsk y brn to gy blk	0.19	4.33	1.78	2.43	1.87	232	95	4.5	0.04	420	0056-1L
1807.00	ext	swc	0.21	5.09	1.90	2.68	2.16	236	88	5.3	0.04	418	0081-0B
1809.00	swc	Sh/Clst: dsk y brn to gy blk	0.38	18.23	0.99	18.41	3.90	467	25	18.6	0.02	418	0055-1L
1809.00	ext	swc	0.18	18.80	0.82	22.93	2.67	704	31	19.0	0.01	418	0082-0B
1810.00	cut	bulk	0.17	14.60	1.33	10.98	4.21	347	32	14.8	0.01	421	0016-0B
1811.00	swc	Sh/Clst: gy blk	0.53	20.90	1.05	19.90	4.94	423	21	21.4	0.02	416	0054-1L
1811.00	ext	swc	0.25	21.79	0.59	36.93	4.41	494	13	22.0	0.01	422	0083-0B
1812.00	cut	bulk	0.36	19.85	1.09	18.21	5.11	388	21	20.2	0.02	416	0017-0B

Table 2 : Rock-Eval table for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1813.00	swc	Sh/Clst: gy blk to blk	0.84	28.62	1.13	25.33	4.94	579	23	29.5	0.03	411	0060-1L
1813.00	ext	swc	0.37	29.12	1.11	26.23	4.65	626	24	29.5	0.01	408	0084-0B
1815.00	cut	bulk	0.29	16.58	1.67	9.93	4.89	339	34	16.9	0.02	420	0018-0B
1815.00	swc	Sh/Clst: gy blk to blk	0.66	21.77	0.71	30.66	5.35	407	13	22.4	0.03	413	0059-1L
1815.00	ext	swc	0.31	21.17	0.59	35.88	6.68	317	9	21.5	0.01	411	0085-0B
1817.00	cut	bulk	0.42	11.13	2.42	4.60	4.33	257	56	11.6	0.04	414	0019-0B
1817.00	swc	Sh/Clst: gy blk to blk	0.82	26.27	0.73	35.99	6.33	415	12	27.1	0.03	413	0058-1L
1817.00	ext	swc	0.34	25.96	0.75	34.61	7.54	344	10	26.3	0.01	414	0086-0B
1819.00	swc	Sh/Clst: drk gy to gy blk	0.62	20.68	0.41	50.44	4.88	424	8	21.3	0.03	417	0057-1L
1819.00	ext	swc	0.46	17.78	0.52	34.19	4.47	398	12	18.2	0.03	425	0087-0B
1820.00	cut	bulk	0.30	10.12	2.30	4.40	4.67	217	49	10.4	0.03	422	0020-0B
1821.00	swc	Sh/Clst: gy blk to blk	0.73	14.12	0.73	19.34	4.81	294	15	14.9	0.05	407	0061-1L
1821.00	ext	swc	0.21	14.38	0.79	18.20	4.24	339	19	14.6	0.01	410	0088-0B
1822.00	cut	bulk	0.22	8.07	1.87	4.32	3.77	214	50	8.3	0.03	423	0021-0B
1825.00	cut	bulk	0.22	9.61	1.53	6.28	3.76	256	41	9.8	0.02	421	0022-0B

Table 2 : Rock-Eval table for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1827.00	cut	bulk	0.27	7.41	0.97	7.64	3.00	247	32	7.7	0.04	424	0023-0B
1827.00	swc	Sh/Clst: drk gy to gy blk	0.70	0.21	2.31	0.09	2.52	8	92	0.9	0.77	422	0064-1L
1829.00	swc	Sh/Clst: lt gy to lt ol gy	-	0.01	0.74	0.01	0.14	7	529	-	-	365	0063-1L
1830.00	cut	bulk	0.24	8.87	1.84	4.82	3.55	250	52	9.1	0.03	419	0024-0B
1830.10	ccp	Sh/Clst: lt gy to lt ol gy	-	-	0.17	-	0.12	-	142	-	-	380	0070-1L
1830.75	ccp	S/Sst : lt gy to lt gy w to lt gn gy to or gy	0.02	0.03	0.06	0.50	0.11	27	55	0.1	0.40	296	0072-1L
1831.00	swc	Sh/Clst: red brn to m brn	0.01	0.02	0.31	0.06	0.08	25	388	-	0.33	295	0062-1L
1831.50	ccp	S/Sst : lt gy to lt gy w to or red	-	-	0.05	-	0.07	-	71	-	-	254	0071-1L
1832.00	cut	bulk	0.08	1.22	1.03	1.18	0.88	139	117	1.3	0.06	422	0025-0B
1832.80	ccp	S/Sst : lt gn gy to gn gy to w to lt gy	0.23	0.15	0.22	0.68	0.17	88	129	0.4	0.61	382	0073-1L
1833.00	swc	S/Sst : lt gy w to lt gy	0.44	0.34	0.06	5.67	0.21	162	29	0.8	0.56	429	0068-1L
1833.35	ccp	S/Sst : w to lt gy to or gy to lt gn gy to y gn	0.02	0.07	0.02	3.50	0.07	100	29	0.1	0.22	445	0075-1L
1833.65	ccp	S/Sst : w to lt gy to or gy to lt gn gy	0.01	-	0.03	-	0.07	-	43	-	1.00	357	0074-1L

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1834.40	ccp	S/Sst : w to m gy to or gy to lt gn gy to y gn	0.19	0.15	0.10	1.50	0.14	107	71	0.3	0.56	381	0076-1L
1834.70	ccp	S/Sst : w to m gy to or gy to lt gn gy to y gn	0.11	0.08	0.09	0.89	0.11	73	82	0.2	0.58	365	0077-1L
1835.00	cut	bulk	0.16	1.87	1.26	1.48	1.15	163	110	2.0	0.08	423	0026-0B
1836.10	ccp	S/Sst : w to m gy to or gy to lt gn gy to y gn	-	-	0.07	-	0.07	-	100	-	-	428	0078-1L
1837.00	cut	bulk	0.13	1.28	0.98	1.31	0.82	156	120	1.4	0.09	425	0027-0B
1840.00	cut	bulk	0.15	1.51	1.06	1.42	0.92	164	115	1.7	0.09	424	0028-0B
1840.00	swc	S/Sst : lt gy to m brn to red brn	-	0.06	0.06	1.00	0.11	55	55	0.1	-	376	0067-1L
1850.00	swc	Sh/Clst: red brn to m brn	0.01	-	0.73	-	0.08	-	913	-	1.00	234	0066-1L
1890.00	swc	Sh/Clst: red brn to m brn	0.01	-	0.22	-	0.12	-	183	-	1.00	251	0065-1L
1977.00	swc	Sltst : m brn to drk brn to brn gy	0.01	0.01	0.19	0.05	0.09	11	211	-	0.50	251	0069-1L
2082.50	swc	Sltst : lt gy w to lt gy	0.02	0.04	0.28	0.14	0.14	29	200	0.1	0.33	299	0036-1L
2112.00	swc	Sltst : drk brn	0.01	0.02	0.31	0.06	0.13	15	238	-	0.33	279	0035-1L
2173.00	swc	Sltst : drk brn	-	-	0.01	-	0.09	-	11	-	-	270	0038-1L

Table 2 : Rock-Eval table for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2221.00	swc	S/Sst : drk brn to w to drk gy	-	0.01	0.08	0.13	0.10	10	80	-	-	233	0037-1L
2240.00	swc	Sh/Clst: red brn to m brn	0.08	0.26	1.31	0.20	0.37	70	354	0.3	0.24	408	0079-1L
2308.00	swc	Sltst : m brn to red brn to lt gy w	-	-	0.53	-	0.09	-	589	-	-	279	0041-1L
2328.00	swc	Sltst : drk brn	0.05	0.77	0.64	1.20	0.59	131	108	0.8	0.06	421	0040-1L
2372.00	swc	Sh/Clst: drk brn	0.01	-	0.53	-	0.10	-	530	-	1.00	424	0039-1L
2427.00	swc	Sltst : gn gy to w to m brn to red brn	0.02	0.03	0.45	0.07	0.14	21	321	0.1	0.40	382	0032-1L
2439.00	swc	Sltst : gn gy to w to m brn	0.02	0.04	0.08	0.50	0.10	40	80	0.1	0.33	296	0030-1L
2442.00	swc	Sltst : lt gy to lt gn gy to w	0.02	0.04	0.36	0.11	0.11	36	327	0.1	0.33	316	0034-1L
2463.50	swc	S/Sst : red brn to m brn to w	-	-	0.25	-	0.07	-	357	-	-	227	0031-1L
2470.00	swc	S/Sst : red brn to m brn	0.01	0.01	0.25	0.04	0.08	13	313	-	0.50	295	0029-1L
2480.00	swc	S/Sst : m brn to red brn to w	-	-	0.13	-	0.08	-	163	-	-	295	0033-1L
2557.00	swc	S/Sst : w to red brn	0.01	0.05	0.15	0.33	0.08	63	188	0.1	0.17	462	0048-1L
2682.00	swc	S/Sst : w to lt gy to or red	-	-	0.13	-	0.07	-	186	-	-	411	0052-1L
2716.00	swc	S/Sst : w to or red	0.41	0.13	0.32	0.41	0.14	93	229	0.5	0.76	325	0049-1L

Table 2 : Rock-Eval table for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2795.00	swc	S/Sst : w to or red to gn gy to dsk y brn	0.01	0.01	0.17	0.06	0.10	10	170	-	0.50	267	0050-1L
2860.00	swc	S/Sst : red brn to m brn to w	0.02	0.01	0.52	0.02	0.08	13	650	-	0.67	227	0053-1L
2952.00	swc	S/Sst : w to or red to gn gy	0.01	0.03	0.08	0.38	0.07	43	114	-	0.25	320	0051-1L

Table 3a: Results of TLC-FID analysis: Absolute yields in mg/g rock for well NOCS 6407/10-3

Depth unit of measure: m

<u>Depth</u>	<u>S Tp</u>	<u>F Tp</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>Resins</u>	<u>Asp</u>	<u>Tot HC</u>	<u>Tot Pol</u>	<u>Tot EOM</u>	<u>Sample</u>
1807.00	swc	L	SHALE/CLAYSTONE	0.160	0.164	0.782	0.040	0.324	0.822	1.146	0056-1L
1809.00	swc	L	SHALE/CLAYSTONE	0.139	0.099	0.888	0.046	0.238	0.934	1.172	0055-1L
1811.00	swc	L	SHALE/CLAYSTONE	0.162	0.256	0.936	0.061	0.418	0.997	1.415	0054-1L
1812.00	cut	L	SHALE/CLAYSTONE	0.117	0.103	1.289	0.014	0.220	1.303	1.523	0017-1L
1815.00	swc	L	SHALE/CLAYSTONE	0.194	0.630	1.890	0.144	0.824	2.034	2.858	0059-1L
1817.00	swc	L	SHALE/CLAYSTONE	0.228	0.258	2.216	0.093	0.486	2.309	2.795	0058-1L
1819.00	swc	L	SHALE/CLAYSTONE	0.144	0.169	1.794	0.124	0.313	1.918	2.231	0057-1L
1821.00	swc	L	SHALE/CLAYSTONE	0.175	0.182	1.646	0.141	0.357	1.787	2.144	0061-1L
1827.00	swc	L	SHALE/CLAYSTONE	1.821	0.554	0.302	0.014	2.375	0.316	2.691	0064-1L
1829.00	swc	L	SHALE/CLAYSTONE	0.000	0.000	0.044	0.002	0.000	0.046	0.046	0063-1L
1831.00	swc	L	SHALE/CLAYSTONE	0.000	0.000	0.000	0.003	0.000	0.003	0.003	0062-1L
1832.80	ccp	L	SANDSTONE/SAND	0.220	0.123	0.135	0.020	0.343	0.155	0.498	0073-1L
1833.00	swc	L	SANDSTONE/SAND	0.399	0.098	0.068	0.085	0.497	0.153	0.650	0068-1L
1840.00	swc	L	SANDSTONE/SAND	0.000	0.000	0.102	0.011	0.000	0.113	0.113	0067-1L

Table 3b: Results of TLC-FID analysis: Rel. percentages of sep. fractions for well NOCS 6407/10-3

Depth unit of measure: m

<u>Depth</u>	<u>S Tp</u>	<u>F Tp</u>	<u>Lithology</u>	<u>Sat HC</u>	<u>Aro HC</u>	<u>Resins</u>	<u>Asp</u>	<u>Tot HC</u>	<u>Tot Pol</u>	<u>Sample</u>
1807.00	swc	L	SHALE/CLAYSTONE	13.96	14.31	68.24	3.49	28.27	71.73	0056-1L
1809.00	swc	L	SHALE/CLAYSTONE	11.86	8.45	75.77	3.92	20.31	79.69	0055-1L
1811.00	swc	L	SHALE/CLAYSTONE	11.45	18.09	66.15	4.31	29.54	70.46	0054-1L
1812.00	cut	L	SHALE/CLAYSTONE	7.68	6.76	84.64	0.92	14.45	85.55	0017-1L
1815.00	swc	L	SHALE/CLAYSTONE	6.79	22.04	66.13	5.04	28.83	71.17	0059-1L
1817.00	swc	L	SHALE/CLAYSTONE	8.16	9.23	79.28	3.33	17.39	82.61	0058-1L
1819.00	swc	L	SHALE/CLAYSTONE	6.45	7.58	80.41	5.56	14.03	85.97	0057-1L
1821.00	swc	L	SHALE/CLAYSTONE	8.16	8.49	76.77	6.58	16.65	83.35	0061-1L
1827.00	swc	L	SHALE/CLAYSTONE	67.67	20.59	11.22	0.52	88.26	11.74	0064-1L
1829.00	swc	L	SHALE/CLAYSTONE	0.00	0.00	95.65	4.35	0.00	100.00	0063-1L
1831.00	swc	L	SHALE/CLAYSTONE	0.00	0.00	0.00	100.00	0.00	100.00	0062-1L
1832.80	ccp	L	SANDSTONE/SAND	44.18	24.70	27.11	4.02	68.88	31.12	0073-1L
1833.00	swc	L	SANDSTONE/SAND	61.38	15.08	10.46	13.08	76.46	23.54	0068-1L
1840.00	swc	L	SANDSTONE/SAND	0.00	0.00	90.27	9.73	0.00	100.00	0067-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1805.00	swc	Sh/Clst: lt gy	21.31	48.70	27.85	2.14	0.03	0045-1L
1807.00	swc	Sh/Clst: dsk y brn to gy blk	4.63	15.98	40.02	39.38	4.33	0056-1L
1809.00	swc	Sh/Clst: dsk y brn to gy blk	3.19	11.22	31.57	54.02	18.23	0055-1L
1811.00	swc	Sh/Clst: gy blk	3.77	11.40	32.39	52.44	20.90	0054-1L
1813.00	swc	Sh/Clst: gy blk to blk	3.54	9.31	30.18	56.97	28.62	0060-1L
1815.00	swc	Sh/Clst: gy blk to blk	2.94	10.44	30.56	56.06	21.77	0059-1L
1817.00	swc	Sh/Clst: gy blk to blk	3.62	9.68	30.89	55.81	26.27	0058-1L
1819.00	swc	Sh/Clst: drk gy to gy blk	4.77	10.68	32.75	51.81	20.68	0057-1L
1821.00	swc	Sh/Clst: gy blk to blk	2.98	10.78	32.56	53.67	14.12	0061-1L

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
1805.00	cut	bulk	1.6	5.6	0.3	0.2	3.4	1.7	0.5	5.1	5.08	0014-0B
1805.00	swc	Sh/Clst: lt gy	5.1	6.4	0.5	0.3	0.8	4.8	0.8	5.6	0.20	0045-1L
1807.00	swc	Sh/Clst: dsk y brn to gy blk	9.1	36.8	1.3	2.9	24.7	7.9	4.2	32.6	5.18	0056-1L
1809.00	swc	Sh/Clst: dsk y brn to gy blk	9.9	31.5	1.4	2.2	17.8	10.1	3.6	27.9	3.84	0055-1L
1810.00	cut	bulk	2.7	7.1	0.2	0.3	4.8	1.8	0.5	6.6	3.10	0016-0B
1811.00	swc	Sh/Clst: gy blk	7.8	34.3	0.6	2.9	22.9	7.9	3.5	30.8	4.66	0054-1L
1813.00	swc	Sh/Clst: gy blk to blk	7.6	27.0	1.2	3.2	13.4	9.2	4.4	22.6	5.98	0060-1L
1815.00	swc	Sh/Clst: gy blk to blk	10.0	58.4	1.3	7.0	37.3	12.8	8.3	50.1	5.22	0059-1L
1817.00	cut	bulk	4.0	10.0	0.3	0.3	7.0	2.4	0.6	9.4	4.60	0019-0B
1817.00	swc	Sh/Clst: gy blk to blk	8.2	44.4	0.5	4.8	31.2	7.9	5.3	39.1	6.05	0058-1L
1819.00	swc	Sh/Clst: drk gy to gy blk	9.0	37.4	0.7	4.2	24.7	7.8	4.9	32.5	4.86	0057-1L
1821.00	swc	Sh/Clst: gy blk to blk	9.9	49.6	1.2	5.2	30.4	12.8	6.4	43.2	4.72	0061-1L
1827.00	swc	Sh/Clst: drk gy to gy blk	9.9	19.9	2.3	8.6	5.2	3.8	10.9	9.0	0.62	0064-1L
1829.00	swc	Sh/Clst: lt gy to lt ol gy	10.0	1.7	0.2	0.2	0.2	1.1	0.4	1.3	0.07	0063-1L

Table 5 a: Weight of EOM and Chromatographic Fraction for well NOCS 6407/10-3

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
1831.00	swc	Sh/Clst: red brn to m brn	8.0	2.9	1.1	0.2	0.5	1.1	1.3	1.6	0.11	0062-1L
1832.80	ccp	S/Sst : lt gn gy to gn gy to w to lt gy	9.1	6.0	1.9	0.3	2.3	1.5	2.2	3.8	0.19	0073-1L
1833.00	swc	S/Sst : lt gy w to lt gy	8.3	10.9	3.9	1.5	1.1	4.4	5.4	5.5	0.47	0068-1L
1840.00	swc	S/Sst : lt gy to m brn to red brn	7.5	8.5	0.3	0.2	0.3	7.7	0.5	8.0	0.23	0067-1L

Table 5 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1805.00	cut	bulk	3500	187	125	2125	1062	312	3187	0014-0B
1805.00	swc	Sh/Clst: lt gy	1250	97	58	156	937	156	1093	0045-1L
1807.00	swc	Sh/Clst: dsk y brn to gy blk	4048	143	319	2717	869	462	3586	0056-1L
1809.00	swc	Sh/Clst: dsk y brn to gy blk	3194	141	223	1805	1024	365	2829	0055-1L
1810.00	cut	bulk	2610	73	110	1764	661	183	2426	0016-0B
1811.00	swc	Sh/Clst: gy blk	4420	77	373	2951	1018	451	3969	0054-1L
1813.00	swc	Sh/Clst: gy blk to blk	3562	158	422	1767	1213	580	2981	0060-1L
1815.00	swc	Sh/Clst: gy blk to blk	5857	130	702	3741	1283	832	5025	0059-1L
1817.00	cut	bulk	2493	74	74	1745	598	149	2344	0019-0B
1817.00	swc	Sh/Clst: gy blk to blk	5421	61	586	3809	964	647	4774	0058-1L
1819.00	swc	Sh/Clst: drk gy to gy blk	4160	77	467	2747	867	545	3615	0057-1L
1821.00	swc	Sh/Clst: gy blk to blk	4989	120	523	3058	1287	643	4346	0061-1L
1827.00	swc	Sh/Clst: drk gy to gy blk	2008	232	867	524	383	1099	908	0064-1L
1829.00	swc	Sh/Clst: lt gy to lt ol gy	170	20	20	20	110	40	130	0063-1L

Table 5 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1831.00	swc	Sh/Clst: red brn to m brn	364	138	25	62	138	163	201	0062-1L
1832.80	ccp	S/Sst : lt gn gy to gn gy to w to lt gy	662	209	33	254	165	243	419	0073-1L
1833.00	swc	S/Sst : lt gy w to lt gy	1313	469	180	132	530	650	662	0068-1L
1840.00	swc	S/Sst : lt gy to m brn to red brn	1139	40	26	40	1032	67	1072	0067-1L

Table 5 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1805.00	cut	bulk	68.90	3.69	2.46	41.83	20.92	6.15	62.75	0014-0B
1805.00	swc	Sh/Clst: lt gy	625.00	48.83	29.30	78.13	468.75	78.13	546.87	0045-1L
1807.00	swc	Sh/Clst: dsk y brn to gy blk	78.15	2.76	6.16	52.46	16.78	8.92	69.23	0056-1L
1809.00	swc	Sh/Clst: dsk y brn to gy blk	83.20	3.70	5.81	47.01	26.68	9.51	73.69	0055-1L
1810.00	cut	bulk	84.20	2.37	3.56	56.93	21.35	5.93	78.27	0016-0B
1811.00	swc	Sh/Clst: gy blk	94.85	1.66	8.02	63.33	21.85	9.68	85.17	0054-1L
1813.00	swc	Sh/Clst: gy blk to blk	59.57	2.65	7.06	29.56	20.30	9.71	49.86	0060-1L
1815.00	swc	Sh/Clst: gy blk to blk	112.21	2.50	13.45	71.67	24.59	15.95	96.27	0059-1L
1817.00	cut	bulk	54.21	1.63	1.63	37.95	13.01	3.25	50.96	0019-0B
1817.00	swc	Sh/Clst: gy blk to blk	89.61	1.01	9.69	62.97	15.94	10.70	78.91	0058-1L
1819.00	swc	Sh/Clst: drk gy to gy blk	85.60	1.60	9.61	56.53	17.85	11.22	74.39	0057-1L
1821.00	swc	Sh/Clst: gy blk to blk	105.72	2.56	11.08	64.80	27.28	13.64	92.08	0061-1L
1827.00	swc	Sh/Clst: drk gy to gy blk	323.88	37.43	139.97	84.63	61.85	177.40	146.48	0064-1L
1829.00	swc	Sh/Clst: lt gy to lt ol gy	243.59	28.66	28.66	28.66	157.62	57.31	186.27	0063-1L

Table 5 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1831.00	swc	Sh/Clst: red brn to m brn	331.20	125.63	22.84	57.10	125.63	148.47	182.73	0062-1L
1832.80	ccp	S/Sst : lt gn gy to gn gy to w to lt gy	348.94	110.50	17.45	133.76	87.23	127.94	220.99	0073-1L
1833.00	swc	S/Sst : lt gy w to lt gy	279.42	99.97	38.45	28.20	112.79	138.43	140.99	0068-1L
1840.00	swc	S/Sst : lt gy to m brn to red brn	495.40	17.48	11.66	17.48	448.77	29.14	466.25	0067-1L

Table 5 d: Composition of material extracted from the rock (%) for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
1805.00	cut	bulk	5.36	3.57	60.71	30.36	8.93	91.07	150.00	9.80	0014-0B
1805.00	swc	Sh/Clst: lt gy	7.81	4.69	12.50	75.00	12.50	87.50	166.67	14.29	0045-1L
1807.00	swc	Sh/Clst: dsk y brn to gy blk	3.53	7.88	67.12	21.47	11.41	88.59	44.83	12.88	0056-1L
1809.00	swc	Sh/Clst: dsk y brn to gy blk	4.44	6.98	56.51	32.06	11.43	88.57	63.64	12.90	0055-1L
1810.00	cut	bulk	2.82	4.23	67.61	25.35	7.04	92.96	66.67	7.58	0016-0B
1811.00	swc	Sh/Clst: gy blk	1.75	8.45	66.76	23.03	10.20	89.80	20.69	11.36	0054-1L
1813.00	swc	Sh/Clst: gy blk to blk	4.44	11.85	49.63	34.07	16.30	83.70	37.50	19.47	0060-1L
1815.00	swc	Sh/Clst: gy blk to blk	2.23	11.99	63.87	21.92	14.21	85.79	18.57	16.57	0059-1L
1817.00	cut	bulk	3.00	3.00	70.00	24.00	6.00	94.00	100.00	6.38	0019-0B
1817.00	swc	Sh/Clst: gy blk to blk	1.13	10.81	70.27	17.79	11.94	88.06	10.42	13.55	0058-1L
1819.00	swc	Sh/Clst: drk gy to gy blk	1.87	11.23	66.04	20.86	13.10	86.90	16.67	15.08	0057-1L
1821.00	swc	Sh/Clst: gy blk to blk	2.42	10.48	61.29	25.81	12.90	87.10	23.08	14.81	0061-1L
1827.00	swc	Sh/Clst: drk gy to gy blk	11.56	43.22	26.13	19.10	54.77	45.23	26.74	121.11	0064-1L
1829.00	swc	Sh/Clst: lt gy to lt ol gy	11.76	11.76	11.76	64.71	23.53	76.47	100.00	30.77	0063-1L

Table 5 d: Composition of material extracted from the rock (%) for well NOCS 6407/10-3

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	
1831.00	swc	Sh/Clst: red brn to m brn	37.93	6.90	17.24	37.93	44.83	55.17	550.00	81.25	0062-1L
1832.80	ccp	S/Sst : lt gn gy to gn gy to w to lt gy	31.67	5.00	38.33	25.00	36.67	63.33	633.33	57.89	0073-1L
1833.00	swc	S/Sst : lt gy w to lt gy	35.78	13.76	10.09	40.37	49.54	50.46	260.00	98.18	0068-1L
1840.00	swc	S/Sst : lt gy to m brn to red brn	3.53	2.35	3.53	90.59	5.88	94.12	150.00	6.25	0067-1L

Table 6 : Saturated Hydrocarbon Ratios for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
1805.00	cut	bulk	0.74	1.20	0.74	0.73	0.94	0014-0B
1805.00	swc	Sh/Clst: lt gy	0.47	0.86	0.41	0.37	1.16	0045-1L
1807.00	swc	Sh/Clst: dsk y brn to gy blk	2.55	0.95	2.84	3.18	0.68	0056-1L
1809.00	swc	Sh/Clst: dsk y brn to gy blk	2.20	1.44	1.74	1.34	0.82	0055-1L
1810.00	cut	bulk	0.91	1.12	0.92	0.93	0.80	0016-0B
1811.00	swc	Sh/Clst: gy blk	2.40	1.22	2.38	2.36	1.28	0054-1L
1813.00	swc	Sh/Clst: gy blk to blk	1.71	1.02	1.98	2.36	1.02	0060-1L
1815.00	swc	Sh/Clst: gy blk to blk	2.42	1.21	2.46	2.52	1.24	0059-1L
1817.00	cut	bulk	0.68	1.49	0.63	0.56	1.12	0019-0B
1817.00	swc	Sh/Clst: gy blk to blk	3.07	1.40	2.94	2.78	0.97	0058-1L
1819.00	swc	Sh/Clst: drk gy to gy blk	2.74	1.43	2.65	2.53	1.10	0057-1L
1821.00	swc	Sh/Clst: gy blk to blk	2.07	1.20	2.03	1.99	1.36	0061-1L
1827.00	swc	Sh/Clst: drk gy to gy blk	0.81	1.72	0.68	0.53	1.09	0064-1L
1829.00	swc	Sh/Clst: lt gy to lt ol gy	0.55	1.34	0.46	0.38	1.47	0063-1L

Table 6 : Saturated Hydrocarbon Ratios for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
1831.00	swc	Sh/Clst: red brn to m brn	0.56	1.13	0.49	0.42	1.40	0062-1L
1832.80	ccp	S/Sst : lt gn gy to gn gy to w to lt gy	1.88	1.52	1.47	1.11	0.97	0073-1L
1833.00	swc	S/Sst : lt gy w to lt gy	1.48	1.88	1.15	0.82	1.47	0068-1L
1840.00	swc	S/Sst : lt gy to m brn to red brn	0.64	1.03	0.54	0.47	1.17	0067-1L

Table 7 : Aromatic Hydrocarbon Ratios for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1805.00	cut	bulk	-	-	-	-	-	-	-	-	-	-	0014-0B
1815.00	swc	Sh/Clst: gy blk to blk	0.74	1.01	-	1.29	1.19	1.13	1.11	-	-	-	0059-1L
1821.00	swc	Sh/Clst: gy blk to blk	1.23	1.55	0.49	1.32	1.08	1.02	1.05	-	-	-	0061-1L
1827.00	swc	Sh/Clst: drk gy to gy blk	1.22	1.96	0.23	1.06	0.80	0.90	0.88	-	-	-	0064-1L
1832.80	ccp	S/Sst : lt gn gy to gn gy to w to lt gy	-	-	-	0.68	0.60	0.68	0.76	-	-	-	0073-1L

Table 8A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 6407/10-3

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
1805.00	cut	bulk	-	*-27.71	*-27.65	-30.22	-29.12	-	0014-0
1805.00	swc	Sh/Clst	-	-28.90	-26.43	-29.53	-28.71	-	0045-1
1807.00	swc	Sh/Clst	-	-29.20	-31.24	-30.93	-29.10	-	0056-1
1809.00	swc	Sh/Clst	-	-29.29	-31.09	-30.68	-29.27	-	0055-1
1810.00	cut	bulk	-	*-29.94	*-30.18	-30.36	-29.44	-	0016-0
1811.00	swc	Sh/Clst	-	-29.22	-29.84	-30.79	-28.97	-	0054-1
1813.00	swc	Sh/Clst	-	-28.85	-31.18	-30.67	-29.12	-	0060-1
1815.00	swc	Sh/Clst	-	-30.07	-31.48	-31.10	-29.02	-	0059-1
1817.00	cut	bulk	-	*-29.41	*-27.20	-30.06	-29.80	-	0019-0
1817.00	swc	Sh/Clst	-	-29.25	-31.10	-31.02	-29.06	-	0058-1
1819.00	swc	Sh/Clst	-	-29.12	-30.78	-30.68	-28.85	-	0057-1
1821.00	swc	Sh/Clst	-	-28.97	-31.36	-31.12	-29.15	-	0061-1
1827.00	swc	Sh/Clst	-	-29.53	-28.69	-28.97	-28.11	-	0064-1
1829.00	swc	Sh/Clst	-	*-28.97	*-28.24	*-30.56	*-29.49	-	0063-1
1831.00	swc	Sh/Clst	-	*-28.04	*-27.57	*-30.40	*-30.16	-	0062-1

* Very little material.

Table 8A: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 6407/10-3

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>EOM</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>NSO</u>	<u>Asphaltenes</u>	<u>Kerogen</u>	<u>Sample</u>
1832.80	ccp	S/Sst	-	-28.19	*-27.79	-28.28	-27.99	-	0073-1
1833.00	swc	S/Sst	-	-28.59	-27.66	-28.63	-28.79	-	0068-1
1840.00	swc	S/Sst	-	-28.88	*-26.10	-29.26	-29.30	-	0067-1

* Very little material.

Table 8B: Tabulation of cv values from carbon isotope data for well NOCS 6407/10-3

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>cv value</u>	<u>Sample</u>
1805.00	cut	bulk	*-27.71	*-27.65	-2.93	0014-0
1805.00	swc	Sh/Clst	-28.90	-26.43	2.79	0045-1
1807.00	swc	Sh/Clst	-29.20	-31.24	-7.13	0056-1
1809.00	swc	Sh/Clst	-29.29	-31.09	-6.57	0055-1
1810.00	cut	bulk	*-29.94	*-30.18	-2.90	0016-0
1811.00	swc	Sh/Clst	-29.22	-29.84	-3.97	0054-1
1813.00	swc	Sh/Clst	-28.85	-31.18	-7.88	0060-1
1815.00	swc	Sh/Clst	-30.07	-31.48	-5.46	0059-1
1817.00	cut	bulk	*-29.41	*-27.20	2.37	0019-0
1817.00	swc	Sh/Clst	-29.25	-31.10	-6.69	0058-1
1819.00	swc	Sh/Clst	-29.12	-30.78	-6.31	0057-1
1821.00	swc	Sh/Clst	-28.97	-31.36	-7.98	0061-1
1827.00	swc	Sh/Clst	-29.53	-28.69	-0.63	0064-1
1829.00	swc	Sh/Clst	*-28.97	*-28.24	-1.05	0063-1
1831.00	swc	Sh/Clst	*-28.04	*-27.57	-1.91	0062-1

* Very little material.

Table 8B: Tabulation of cv values from carbon isotope data for well NOCS 6407/10-3

Depth unit of measure: m

<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Saturated</u>	<u>Aromatic</u>	<u>cv value</u>	<u>Sample</u>
1832.80	ccp	S/Sst	-28.19	*-27.79	-2.02	0073-1
1833.00	swc	S/Sst	-28.59	-27.66	-0.72	0068-1
1840.00	swc	S/Sst	-28.88	*-26.10	3.47	0067-1

* Very little material.

Table 9A: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 6407/10-3

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%		
1805.00	bulk	4.62	0.82	0.17		0.39	0.28	0.03	0.05	0.13	0.05	0.10	0.71	0.31	0.48	21.18	0014-0	
1805.00	Sh/Clst	0.88	0.47	0.22		0.88	0.47	-	-	-	-	0.30	1.00	0.47	-	-	0045-1	
1807.00	Sh/Clst	2.77	0.74	0.20		0.36	0.27	0.02	0.06	0.16	0.05	0.02	0.72	0.29	0.42	18.19	0056-1	
1809.00	Sh/Clst	3.41	0.77	0.19		0.52	0.34	0.02	0.08	0.14	0.07	0.08	0.74	0.39	0.45	23.08	0055-1	
1810.00	bulk	3.44	0.77	0.15		0.38	0.28	0.02	0.06	0.15	0.05	0.05	0.70	0.32	0.52	20.57	0016-0	
1811.00	Sh/Clst	2.29	0.70	0.17		0.43	0.30	0.02	0.11	0.24	0.10	0.04	0.73	0.35	0.47	18.66	0054-1	
1813.00	Sh/Clst	1.98	0.66	0.17		0.38	0.28	0.04	0.08	0.21	0.07	0.09	0.69	0.32	0.53	19.09	0060-1	
1815.00	Sh/Clst	2.21	0.69	0.19		0.38	0.28	0.04	0.07	0.19	0.07	0.05	0.75	0.34	0.46	18.19	0059-1	
1817.00	bulk	3.00	0.75	0.16		0.39	0.28	0.03	0.04	0.10	0.04	0.10	0.78	0.32	0.36	25.34	0019-0	
1817.00	Sh/Clst	2.71	0.73	0.19		0.39	0.28	0.02	0.06	0.16	0.06	0.02	0.74	0.34	0.48	13.43	0058-1	
1819.00	Sh/Clst	4.22	0.81	0.17		0.36	0.26	0.02	0.03	0.10	0.03	0.02	0.75	0.32	0.44	12.10	0057-1	
1821.00	Sh/Clst	2.59	0.72	0.20		0.40	0.28	0.02	0.08	0.19	0.07	0.04	0.79	0.35	0.39	15.82	0061-1	
1827.00	Sh/Clst	0.39	0.28	0.08		0.35	0.26	0.18	0.11	0.33	0.10	0.14	0.93	0.27	0.09	59.02	0064-1	
1829.00	Sh/Clst	0.96	0.49	0.15		0.86	0.46	-	-	-	-	0.20	0.79	0.40	0.14	-	0063-1	

Table 9A: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 6407/10-3

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									E/E+F	C+D+E+F	D+F/C+E	J1+J2%	
1831.00	Sh/Clst	0.89	0.47	0.16		0.89	0.47	-	0.09	0.10	0.08	0.26	0.93	0.47	0.07	56.88	0062-1
1832.80	S/Sst	0.73	0.42	0.09		0.38	0.27	0.11	0.11	0.30	0.10	0.06	0.92	0.28	0.10	59.32	0073-1
1833.00	S/Sst	0.72	0.42	0.10		0.40	0.29	0.10	0.11	0.26	0.10	0.12	0.94	0.29	0.07	61.05	0068-1
1840.00	S/Sst	0.78	0.44	0.16		1.06	0.51	0.09	0.12	0.11	0.10	0.32	0.89	0.49	0.06	57.76	0067-1

Table 9B: Variation in Sterane Distribution (peak height) SIR for Well NOCS 6407/10-3

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1805.00	bulk	0.13	6.31	45.21	0.60	0.87	0.21	0.16	0.29	0.07	0.44	0014-0
1805.00	Sh/Clst	-	-	-	-	-	-	-	-	-	-	0045-1
1807.00	Sh/Clst	0.11	4.40	49.33	0.46	0.92	0.17	0.13	0.33	0.05	0.51	0056-1
1809.00	Sh/Clst	0.12	6.20	48.26	0.54	0.88	0.22	0.18	0.32	0.07	0.50	0055-1
1810.00	bulk	0.14	6.18	47.45	0.58	0.88	0.15	0.12	0.31	0.07	0.48	0016-0
1811.00	Sh/Clst	0.12	4.45	49.79	0.52	0.92	0.17	0.13	0.33	0.05	0.52	0054-1
1813.00	Sh/Clst	0.18	7.18	57.10	0.69	0.90	0.23	0.17	0.40	0.08	0.72	0060-1
1815.00	Sh/Clst	0.19	6.46	58.08	0.62	0.91	0.28	0.21	0.41	0.07	0.74	0059-1
1817.00	bulk	0.28	10.49	47.71	1.03	0.81	0.33	0.26	0.31	0.12	0.51	0019-0
1817.00	Sh/Clst	0.17	6.29	54.94	0.60	0.91	0.26	0.20	0.38	0.07	0.65	0058-1
1819.00	Sh/Clst	0.21	5.52	49.80	0.76	0.90	0.23	0.18	0.33	0.06	0.52	0057-1
1821.00	Sh/Clst	0.26	7.11	53.33	1.04	0.89	0.28	0.21	0.36	0.08	0.62	0061-1

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: $r + s / t$

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1827.00	Sh/Clst	0.82	49.27	76.91	1.19	0.77	0.45	0.34	0.62	0.97	3.28	0064-1
1829.00	Sh/Clst	-	-	-	-	-	-	-	-	-	-	0063-1
1831.00	Sh/Clst	0.65	35.95	77.74	1.04	0.83	0.42	0.31	0.64	0.56	2.73	0062-1
1832.80	S/Sst	0.73	48.35	73.04	0.86	0.74	0.27	0.20	0.58	0.94	2.62	0073-1
1833.00	S/Sst	0.79	49.58	76.89	0.99	0.77	0.52	0.40	0.62	0.98	3.30	0068-1
1840.00	S/Sst	0.65	-	76.91	0.60	1.00	0.49	0.41	0.62	-	1.67	0067-1

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 9C: Raw GCMS triterpane data (peak height) SIR for Well NOCS 6407/10-3

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				
1805.00	bulk	132217.6	66768.0	25152.0	34401.2	13208.6	39900.6	184273.3	33124.0	255909.0	0014-0	
		20187.7	170783.5	659899.4	271877.3	109893.4	504113.3	234495.4	42252.8			
		157279.9	34606.0	135337.2	23834.7	61585.4	23956.3	121301.9				
1805.00	Sh/Clst	1514.1	839.4	494.2	723.8	0.0	876.5	769.0	0.0	0.0	2458.8	0045-1
		0.0	0.0	0.0	2789.7	0.0	1541.4	1284.0	0.0	0.0		
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
1807.00	Sh/Clst	5776.6	3112.3	0.0	3402.7	0.0	17272.2	47925.1	8142.0	50934.9	0056-1	
		2570.5	27060.0	140725.1	53408.6	18276.3	108340.9	47401.5	7434.5			
		33444.7	5375.1	37886.0	3906.0	14735.4	4923.9	40574.9				
1809.00	Sh/Clst	38925.8	21922.1	11559.2	16715.1	9026.0	24193.3	82491.7	19777.4	136438.6	0055-1	
		4331.9	87961.8	261082.0	91849.9	48139.4	231193.3	113051.9	19222.4			
		64077.0	15297.8	40771.4	8057.4	21450.7	6928.2	36380.3				
1810.00	bulk	115233.6	66964.3	40931.3	64342.8	19439.8	91808.0	315426.1	71277.2	469505.3	0016-0	
		29785.6	359172.8	1236497.6	535140.3	213935.6	1015822.4	425169.5	79857.6			
		308424.6	75428.1	283930.4	43707.1	144474.4	50957.7	278985.6				

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						
1811.00	Sh/Clst	8061.8	4865.8	2508.5	4115.5	2005.0	16118.3	36832.8	13769.9	56273.1	0054-1									
		3166.9	39266.2	130040.6	48293.5	19830.0	119298.2	52944.9	7714.4											
		33635.6	7138.8	28392.7	3719.5	14125.2	5447.4	35692.7												
1813.00	Sh/Clst	112739.0	69375.9	45641.1	36870.6	28716.8	121971.5	241616.4	63355.4	308849.2	0060-1									
		30126.9	232459.9	811460.6	363784.3	139580.0	706453.1	301088.7	49469.6											
		209653.4	47737.0	164140.7	24987.8	83513.2	31820.9	152862.5												
1815.00	Sh/Clst	44783.5	26001.2	176330.0	23733.1	16800.0	79954.4	176470.8	40601.1	208982.8	0059-1									
		21286.0	161308.8	545881.3	184825.1	93023.2	481006.8	195580.0	30756.0											
		138338.3	28873.8	121644.8	14628.0	54130.5	18059.6	109842.0												
1817.00	bulk	237072.0	113371.4	43984.9	53817.7	16658.9	92631.4	278229.8	46548.7	453234.5	0019-0									
		37911.1	255256.0	1164852.8	327893.9	205427.5	642312.4	295181.1	75457.0											
		222275.3	67043.0	175200.3	37300.9	90388.0	46040.4	159376.6												
1817.00	Sh/Clst	5930.5	3120.4	1895.3	4237.8	1988.8	18653.3	50558.4	10292.2	63027.2	0058-1									
		2830.4	51576.7	162953.8	57756.4	25725.1	154731.3	61101.5	6159.5											
		39708.6	6382.1	30002.0	2960.6	13164.8	3730.1	27808.4												

Table 9C: Raw GCMS triterpane data (peak height) SIR for Well NOCS 6407/10-3

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						
1819.00	Sh/Clst	5860.6	3490.2	2026.8	4756.0	1265.6	11899.7	50270.9	6473.7	67584.1	0057-1									
		3641.4	50669.9	187922.2	61488.4	21813.9	153110.8	61583.3	5739.5											
		41692.9	4309.8	25556.0	2494.6	12777.1	3234.1	20652.1												
1821.00	Sh/Clst	14063.5	7661.7	4314.3	6689.6	3723.7	20892.6	54159.3	13027.8	68459.1	0061-1									
		4082.4	47915.0	172379.5	45769.4	30318.4	140826.3	50669.1	8341.1											
		44388.1	7065.5	34157.3	4263.2	16657.1	7175.7	39046.5												
1827.00	Sh/Clst	60169.8	42884.9	16519.6	25089.1	11696.0	75637.4	29756.7	34673.2	106472.0	0064-1									
		55548.5	14077.5	303628.5	24358.4	104521.5	72571.7	7724.7	69603.1											
		48328.4	46155.3	34095.4	30181.7	22324.0	24338.6	14515.2												
1829.00	Sh/Clst	723.9	444.9	343.3	501.9	0.0	519.3	498.1	0.0	1917.2	0063-1									
		0.0	0.0	0.0	2230.2	591.2	966.2	1005.0	0.0	0.0										
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0										
1831.00	Sh/Clst	5371.1	2250.8	1357.9	1241.9	703.7	1931.9	1727.8	772.3	7687.5	0062-1									
		0.0	468.6	8602.0	619.7	3080.4	2258.9	593.6	1454.4											
		1102.4	733.4	640.5	723.6	509.1	614.3	569.1												

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			
1832.80	S/Sst	379191.5	259821.3	93933.5	293164.9	72768.0	651181.2	474140.4	492527.5	1636647.6	0073-1
		458355.3	209204.4	4328543.0	389456.0	1449722.6	1008170.6	152839.5	958142.0		
		657136.0	675209.1	445467.8	469387.9	309994.7	352159.3	219019.9			
1833.00	S/Sst	56925.4	37688.3	9682.8	33688.0	7505.0	52262.4	37817.0	32601.1	124080.6	0068-1
		29710.0	11176.4	307616.3	18041.6	91578.7	61652.1	4838.8	55258.8		
		35251.7	32067.7	19632.1	16897.9	11323.8	12032.8	6168.9			
1840.00	S/Sst	2428.1	1167.9	845.6	943.3	394.7	1006.5	780.7	429.3	3927.6	0067-1
		348.5	0.0	3704.7	463.0	1650.0	890.1	0.0	932.9		
		682.1	723.3	572.6	430.8	601.5	577.4	0.0			

Table 9D: Raw GCMS sterane data (peak height) SIR for Well NOCS 6407/10-3

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					
1805.00	bulk	144689.7	64701.7	91264.3	75606.5	42440.0	27469.5	51068.9	39465.4	207176.3	0014-0
		118094.1	63589.7	636648.3	94664.3	23024.8	54376.0	156267.4	78725.9		
		392792.0	35222.0	162924.0	67442.0	523039.7					
1805.00	Sh/Clst	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0045-1
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1807.00	Sh/Clst	25496.9	13623.8	20227.2	15500.6	9507.4	5704.3	13847.8	10618.0	64582.0	0056-1
		34005.5	17974.8	163850.6	24462.4	6903.0	12826.6	46483.6	30691.5		
		111731.6	5812.8	49132.7	15109.3	126180.9					
1809.00	Sh/Clst	71978.4	49083.8	45110.6	28017.5	16869.5	10783.8	20955.2	13814.6	122610.8	0055-1
		68690.8	35346.8	340478.6	47474.7	10994.0	22950.3	59699.5	37779.5		
		153278.0	18126.1	99946.1	36455.4	274306.6					
1810.00	bulk	186100.9	93624.0	183890.5	149209.0	90589.3	59324.7	107455.8	76340.4	395852.5	0016-0
		271180.5	160844.5	1157055.6	216798.8	45145.4	128011.9	306278.9	181047.1		
		698978.9	66193.0	332836.9	151135.8	1005694.7					

Table 9D: Raw GCMS sterane data (peak height) SIR for Well NOCS 6407/10-3

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					
1811.00	Sh/Clst	34013.2	19198.8	27034.0	20811.2	13009.0	6542.6	12789.0	10006.8	72190.5	0054-1
		43313.8	25009.8	192235.4	34879.7	6152.8	21730.9	44531.5	29789.8		
		101297.0	7796.9	62545.3	24242.7	167269.6					
1813.00	Sh/Clst	168023.0	112086.0	164242.9	128777.0	73588.7	37384.0	71931.0	66061.4	256385.3	0060-1
		222135.4	128183.4	729667.9	158627.4	34400.7	119793.5	166187.5	142219.9		
		343029.8	39769.2	244038.6	124298.7	513816.8					
1815.00	Sh/Clst	138793.1	91891.5	95868.0	77812.0	41726.3	27803.4	40259.6	35283.6	170117.3	0059-1
		151324.7	87951.5	408795.9	105819.4	25081.4	81648.9	107474.5	94688.7		
		191028.0	22485.9	155883.0	85262.0	325600.0					
1817.00	bulk	181510.3	108756.0	171751.3	131628.5	76236.0	47496.2	73520.0	57808.0	142018.6	0019-0
		159106.6	72898.6	433041.2	120273.2	35160.6	59147.2	101547.2	85067.2		
		226528.8	42069.9	120217.5	62830.1	359107.3					
1817.00	Sh/Clst	30492.4	20767.2	22638.0	16381.6	11376.3	3950.5	8148.9	6979.8	42033.6	0058-1
		35289.6	17619.4	110485.6	25400.8	4374.6	17873.1	25270.3	21944.9		
		47066.2	5769.2	37876.7	18012.6	85900.4					

Table 9D: Raw GCMS sterane data (peak height) SIR for Well NOCS 6407/10-3

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					
1819.00	Sh/Clst	22833.9	16109.0	24606.5	17248.4	8892.1	4558.8	6918.2	6245.4	35250.3	0057-1
		27632.1	13031.7	94797.2	23851.7	2750.9	13916.7	18854.0	16271.1		
		46282.2	4932.2	31953.4	12394.7	84484.6					
1821.00	Sh/Clst	41906.5	33626.7	59075.4	51880.7	26032.8	11471.7	21359.5	20329.5	67819.6	0061-1
		53980.0	28827.7	171933.0	45472.7	12176.2	24018.7	30998.4	29201.6		
		77960.1	8789.0	46498.8	24078.8	114738.8					
1827.00	Sh/Clst	86645.4	39431.4	148080.0	91780.0	34120.9	35703.4	75027.1	38820.0	32513.4	0064-1
		132186.4	54778.4	31559.1	75127.1	23857.8	11225.1	28929.4	44794.5		
		16025.8	28566.8	55565.0	41009.2	29411.9					
1829.00	Sh/Clst	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0063-1
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1831.00	Sh/Clst	3167.6	1619.9	4030.6	2281.0	1013.8	1345.5	1922.5	1198.2	1649.5	0062-1
		3259.1	2055.1	2126.2	2211.1	1158.0	0.0	1719.4	1748.2		
		950.0	880.5	2214.6	2062.3	1568.5					

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					
1832.80	S/Sst	464784.0	246413.9	993279.9	621213.1	244780.0	257055.3	548000.8	287385.5	307809.7	0073-1
		1210985.6	476009.6	367824.8	706814.4	242651.0	150510.8	310510.8	413294.8		
		188984.8	385641.0	607217.2	473291.8	412008.3					
1833.00	S/Sst	81594.8	36300.0	91522.0	49630.7	18252.8	18441.5	43292.2	19388.9	24735.6	0068-1
		96195.0	34604.4	24935.4	52548.1	12462.4	9251.7	18925.0	28701.0		
		10662.9	20656.2	38751.3	30543.3	21002.2					
1840.00	S/Sst	2000.5	1321.8	2437.2	0.0	0.0	0.0	0.0	919.4	1453.4	0067-1
		2760.8	1235.8	1334.7	1281.4	0.0	0.0	0.0	1043.3		
		0.0	0.0	1351.4	816.0	1301.6					