6.4 Mud Properties

Mud properties for the well are summarized on a day-by-day basis below.

Date (ymd)	Depth (mMD)	TVD (mTVD)	MW (SG)	Mud system	PV (mPa)	YP (mPa)	Funnel visc. (s)	Gels 10s (Pa)	Gels 10min (Pa)	HPHT fl. loss (ml)	Cake (mm)	pH	Pf (mg/l)	Mf (mg/l)	Chloride (mg/l)	Total hardness (mg/l)	Sand (% by vol.)	Solids (% by vol.)	Glycol (%)	KCl (kg/m3)	CEC/ MBT (kg/m3)	ECD (SG)	Flow (l/min)
970218	148	148	1.03	SEAWATER																			
970219	178	1775	1.20	BENTONITE			200																
970220	178	178	1.20	BENTONITE			200																
970221	178	178	1.04	SW/BENTONITE	150	38.4	150					9.5											
970222	179	179	1.04	SW/BENTONITE	150	38.4	150					9.5											
970223	512	512	1.20	SW/BENTONITE	150		150					9.5											
970224	512	512	1.04	SEAWATER	150		150					9.5											
970225	512	512	1.04	SEAWATER	150																		
970226	512	512	1.04	SEAWATER	150																		
970227	512	512	1.25	SW/POLYMER	23	9.5	76	1.0	1.5	6.0	3.0		0.10	0.70	28000	60		7.60		40			
970228	512	512	1.25	SW/POLYMER	76	9.5	76	1.0	1.5	6.0	3.0	9.6	0.10	0.70	28000	60		7.60		40			
970301	512	512	1.25	KCL POLYMER	23	9.5	76	1.0	1.5	6.0	3.0	9.3	0.10	0.70	28000	40		7.62		40			
970302	512	512	1.25	KCL POLYMER	23	9.5	76	1.0	1.5	6.0	3.0	9.3	0.10	0.70	28000	40		7.62		40			
970303	512	512	1.25	KCL POLYMER	23	9.5	76	1.0	1.5		3.0	9.6	0.10	0.70	28000	60		7.62		40			
970304	512	512	1.25	KCL/POLYMER	23	9.5	76	1.0	1.5		3.0	9.6	0.10	0.70	28000	60		7.62		40			
970305	801	801	1.27	KCl POLYMER	73	8.0	68	1.5	2.0		1.0	9.6	0.30	0.80	28000	140	0.10	8.70		55		1.29	3375
970305	998	998	1.27	KCl POLYMER	73	8.0	68	1.5	2.0		1.0	9.6	0.30	0.80	28000	140	0.10	8.70		55		1.29	3375
970306	1505	1505	1.27	KCL POLYMER	71	10.5	71	1.5	2.5		1.0	8.7	0.05	0.50	38000	440	0.70	8.89		81		1.30	3380
970307	1505	1505	1.27	KCL POLYMER	80	11.0	80	1.5	2.0		1.0	8.4	0.05	0.30	39500	600	0.50	7.74		83		1.30	3379
970308	1505	1505	1.27	KCL POLYMER	26	11.5	88	2.0	3.0		1.0	8.4	0.05	0.50	38000	560	1.00	8.89		82			
970309	1588	1588	1.45	KCL POLYMER	26	10.5	68	1.5	5.0		1.0	9.6	0.05	0.70	56000	440	0.80	13.73		117		1.53	2200
970310	1650	1650	1.45	KCL POLYMER	37	13.0	160	4.0	16.0		2.0	9.4	0.20	0.60	62000	880	0.50	14.99	2.5	120	100	1.53	2240
970310	1681	1869	1.40	KCL POLYMER	37	13.0	89	1.5	2.0		1.5	9.2	0.30	0.50	60000	460	0.50	12.21	4.9	115	43	1.50	2240
970311	2330	2292	1.41	KCL POLYMER	31	16.0	78	1.5	2.0		1.0	8.8	0.10	0.30	67000	440	0.25	11.89	4.7	142	42	1.50	2240
970312	2554	2504	1.40	KCL POLYMER	41	12.0	77	1.5	2.0	10.2	1.0	8.5	0.05	0.20	64000	560	0.80	12.31	4.5	144	42	1.54	2225
970313	2729	2670	1.40	KCL/POLYMER	39	13.0	70	1.5	2.0	10.2	1.0	8.5	0.05	0.25	73000	380	0.75	12.18	4.5	150	42	1.51	2225
970314	2863	2796	1.40	KCL/POLYMER	38	13.0	74	1.0	1.5	10.2	1.0	8.1	0.05	0.30	72000	500	0.50	11.22	5.0	152	35	1.51	2257
970315	3015	2941	1.40	KCL/POLYMER	34	13.0	74	1.0	2.0	9.6	1.0	8.2	0.05	0.30	73000	440	0.50	11.54	4.6	152	35	1.50	2240
970316	3018	2943	1.40	KCL/POLYMER	35	13.0	75	1.0	2.0	9.6	1.0	8.2	0.05	0.32	74000	540	0.50	11.27	4.8	151	35	1.50	2241
970317	3054	2979	1.40	KCL/POLYMER	33	9.5	70	1.0	2.0	9.8	2.0	8.2	0.05	0.32	73000	540	0.50	11.68	5.0	153	35	1.49	2113
970318	3127	3050	1.40	KCL/POLYMER	34	9.5	75	1.5	2.0	10.4	2.0	8.3	0.01	0.28	72000	420	0.50	11.95	4.8	151	35	1.48	2065
970319	3172	3095	1.40	KCL/POLYMER	33	9.5	80	1.0	2.0	10.2	2.0	8.2	0.05	0.28	73000	540	0.50	12.06	4.6	151	35	1.48	2065
970320	3172	3095	1.40	KCL/POLYMER	37	10.0	87	1.0	2.0	9.6	2.0	8.2	0.05	0.50	68000	800	0.50	11.43	3.5	150	32	1.48	2200
970321	3182	3104	1.40	KCL/POLYMER	36	11.0	89	1.5	2.0	10.2	2.0	8.7	0.05	0.35	74000	560	0.50	11.47	4.6	154	35	1.46	1300
970322	3183	3106	1.40	KCL/POLYMER	36	11.5	94	1.5	2.0	10.0	2.0	8.6	0.05	0.32	74000	620	0.05	11.27	4.8	154	37	1.47	2080
970323	3225	3148	1.40	KCL/POLYMER	31	14.0	86	2.0	3.5	10.2	2.0	8.1	0.05	0.30	78000	520	0.50	11.17	4.8	158	37	1.48	2097
970324	3225	3148	1.40	KCL/POLYMER	31	14.0	98	2.0	3.5	9.8	2.0	8.1	0.05	0.40	78000	560	0.25	11.27	4.5	156	37		
970325	3225	3148	1.40	KCL/POLYMER	37	16.0	93	2.0	3.5	9.8	2.0	8.3	0.05	0.40	76000	600	0.25	11.42	4.5	125	42	1.48	2097
970326	3225	3148	1.40	KCL/POLYMER	96	16.5	96	2.0	3.5	2.0	2.0	8.3	0.05	0.40	78000	400	0.25	11.42	4.5	125			
970327	3225	3148	1.40	KCL/POLYMER	94	17.0	94	2.0	3.5	2.0	2.0	8.3	0.05	0.40	75000	400	0.25	11.49	4.5	125			
970328	3225	3148	1.40	KCL POLYMER	94	12.0	94	2.0	3.0	2.2	2.0	8.5	0.05	0.40	80000	300	0.25	11.08	4.5	125			
970329	2487	2440	1.40	KCL POLYMER	97	11.5	97	2.0	3.0	2.2	2.0	8.4	0.05	0.40	82000	360	0.25	10.93	4.3	125			
970330	3166	3084	1.40	KCL POLYMER	98	11.5	98	2.0	3.0	9.9	2.0	8.3	0.05	0.40	83000	360	0.25	10.85	4.5	126	42		
970331	3225	3148	1.40	KCL POLYMER	98	11.5	98	2.0	3.0	2.2	2.0	8.3	0.05	0.40	83000	360	0.25	10.85	4.5	126	42		
970401	3225	3148	1.40	KCL POLYMER	94	11.5	94	2.0	3.0	2.2	2.0	8.3	0.05	0.40	84000	360	0.25	10.77	4.0	124	44		
970402	2707	2648	1.43	KCL/POLYMER	33	16.0	98	2.0	3.0	10.0	2.0	8.1	0.05	0.40	72000	600	0.25	12.75	4.0	100	40		
970403	2386	2345	1.43	KCL/POLYMER	33	16.0	99	2.0	3.0	10.0	5.0	8.3	0.50	0.40	75000	600	0.25	12.53	4.0	100	33		
970404	1495	1495	1.44	KCL/POLYMER	33	16.5	100	2.0	3.0	10.0	3.6	11	0.20	0.20	50000	900	0.25	17.60	4.0	85	40		
970405	1525	1525	1.44	KCL POLYMER	33	16.5	100	2.0	3.0	10.0	3.6	11	0.20	0.20	50000	900	0.25	17.6	4.0	85	40		

Geochemical Report for

Well NOCS 15/6-8S

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Date : July 1997

Chapter 1

INTRODUCTION

Samples, including canned cuttings samples, side-wall cores and conventional cores, were supplied by Deminex Norge together with samples of the glycol additive to the drill-mud to Geolab Nor's laboratory in Trondheim. The stratigraphy of the well was provided by Deminex Norge, and these data are used in this report.

The analytical program included both screening and follow-up analysis, where samples were selected for the latter programme after agreement with Ken Mantel, Deminex Norge.

The report is divided into chapters according to the applied analytical methods. The results are generally discussed in a (descending) stratigraphic context.

1.1 General Well Information

The samples were received as canned cuttings samples, side-wall cores and conventional core samples. The sample quality was good but has been affected by staining by the glycol-based mud. There were sufficient amounts of sample material for analysis (both screening and follow-up analysis). Any superficial contamination was removed from the core and side-wall core samples. Use of the glycol drilling mud has caused some analytical problems, due to contamination of the extractable hydrocarbons, particularly in the cuttings samples and all samples with low concentrations of in-situ hydrocarbons.

1.2 Analytical Program

The analytical programs, for 15/6-8S and 15/6-8A including analysis type and number of samples per analysis type are presented below, together with respective figure numbers and table numbers. All data for 15/6-8S can be found at the back of this report. Data and reporting of 15/6-8A can be found in a separate report.

Analytical Program for NOCS well 15/6-8S

Analysis type	No of samples	Figures	Tables
Headspace and occluded gas	103	2a-e	1a-c
Lithology description	107	2,3	2
TOC	43	3a	2,3
Rock-Eval pyrolysis	43	3b-e	3
Thermal extraction GC (GHM, S_1)	15	4a-e	
Pyrolysis GC (GHM, S_2)	15	5a-h, 6	4
Soxtec Extraction of organic matter	6		5a
Deasphalting	6		
MPLC separation	6		5b-e
Saturated hydrocarbon GC	6	7a-e	6
Aromatic hydrocarbon GC	6	8a-c	7a-b
Vitrinite reflectance	20	9	8
Visual kerogen microscopy	5	10	8,9
Isotope composition C_{15+} fractions	6	11a-b	10a-b
GC - MS of saturated HC	6	12a-n, 14a-c and 14e	11a-f
GC - MS of aromatic HC	6	13a-f, 14d	12a-e

Analytical Program for NOCS well 15/6-8A (see separate report for data)

Analysis type	No of samples	Figures	Tables
Headspace and occluded gas	15	2a-e	1a-c
Lithology description	19	2,3	2
TOC	10	3a	2,3
Rock-Eval pyrolysis	8	3b-e	3a-b
Thermal extraction GC (GHM, S_1)	6	4a-b	
Pyrolysis GC (GHM, S_2)	6	5a-b,6	4
Soxtec Extraction of organic matter	1		5a
Deasphalting	1		
MPLC separation	1		5b-e
Saturated hydrocarbon GC	1	7	6
Aromatic hydrocarbon GC	1	8	7a-b
Vitrinite reflectance	0	-	-
Visual kerogen microscopy	0	-	-
Isotope composition C_{15+} fractions	1	11a-b	10a-b
GC - MS of saturated HC	1	12a-b	11a-f
GC - MS of aromatic HC	1	13a-b	12a-e

The wells were drilled using a glycol-based drilling mud.

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1505.00	10111	68	10	2	2	8	10193	82	0.8	0.94
1630.00	3929	50	8	2	2	6	3991	62	1.6	0.95
1750.00	5671	93	13	3	2	6	5782	111	1.9	1.56
1845.00	1920	39	5	1	1	1	1966	46	2.3	1.42
1905.00	1077	34	8	1	1	1	1121	44	3.9	1.63
1920.00	2132	63	9	1	1	1	2207	75	3.4	2.16
1935.00	2652	67	8	1	1		2730	78	2.8	2.41
1950.00	1463	71	12	2	1		1550	87	5.6	2.43
1965.00	2111	80	16	3	1	1	2211	101	4.5	2.41
1980.00	1398	41	8	1	1		1449	51	3.5	2.06
1995.00	1053	41	10	2	1	1	1106	54	4.9	2.62
2010.00	840	32	7	1	1		882	42	4.7	2.50
2025.00	811	34	8	2	1	1	856	45	5.3	2.23
2040.00	1147	52	14	3	1	1	1218	70	5.8	2.62
2055.00	1565	54	9	1	1	1	1630	65	4.0	1.70
2070.00	1907	66	13	2	2	3	1989	82	4.1	1.41
2085.00	954	29	7	1	1	1	992	38	3.8	2.13
2100.00	491	15	4	1			511	20	3.9	1.97
2115.00	1454	35	9	1	1	2	1500	46	3.1	1.84
2130.00	1265	28	10	2	1	2	1305	40	3.1	1.98
2145.00	2713	80	27	4	2	3	2826	113	4.0	1.78
2160.00	763	43	22	4	2	2	833	70	8.4	1.80
2175.00	2634	143	53	7	4	4	2839	206	7.2	1.83
2190.00	1212	71	31	4	3	2	1321	109	8.2	1.72
2205.00	775	43	26	4	3	3	851	76	9.0	1.55
2220.00	1850	96	53	9	7	8	2014	165	8.2	1.32
2235.00	1164	39	22	4	3	5	1233	69	5.6	1.30

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
2250.00	616	17	9	2	2	2	647	30	4.6	1.20
2265.00	3542	347	206	38	31	43	4163	622	14.9	1.24
2280.00	2783	215	134	26	22	39	3180	397	12.5	1.17
2295.00	2068	182	189	49	48	100	2535	467	18.4	1.02
2310.00	2088	130	102	24	24	53	2369	281	11.9	0.99
2325.00	775	52	58	16	18	47	919	144	15.7	0.88
2340.00	1725	263	238	59	56	81	2339	615	26.3	1.06
2355.00	1903	313	257	65	59	73	2597	694	26.7	1.09
2370.00	486	93	135	45	51	87	809	323	40.0	0.89
2385.00	739	307	369	115	120	185	1650	911	55.2	0.96
2400.00	1240	293	242	76	84	179	1936	696	36.0	0.91
2415.00	1062	201	141	35	46	125	1485	423	28.5	0.76
2430.00	178	30	27	6	9	18	250	72	28.9	0.62
2445.00	664	66	42	7	13	26	792	128	16.1	0.52
2460.00	1115	540	346	49	58	59	2108	994	47.1	0.83
2475.00	4078	1366	809	124	144	149	6522	2443	37.5	0.86
2490.00	3103	970	667	112	137	167	4989	1886	37.8	0.82
2505.00	5586	1559	1018	174	218	273	8554	2969	34.7	0.80
2520.00	1426	316	261	48	64	94	2115	690	32.6	0.75
2535.00	2599	1131	756	125	148	169	4759	2160	45.4	0.85
2550.00	8382	3019	1927	318	382	425	14029	5647	40.3	0.83
2565.00	1487	688	676	127	169	199	3148	1661	52.8	0.75
2580.00	1387	782	843	160	216	262	3388	2001	59.1	0.74
2595.00	4130	2561	2294	414	527	561	9926	5796	58.4	0.79
2610.00	1286	698	831	160	234	272	3210	1924	59.9	0.69
2625.00	194	52	89	17	36	56	387	193	49.9	0.47
2640.00	357	108	148	35	59	83	707	350	49.5	0.59

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2655.00	336	73	98	22	43	68	572	236	41.3	0.51
2670.00	929	392	438	94	153	194	2006	1076	53.7	0.62
2685.00	386	79	69	13	20	29	566	180	31.9	0.64
2700.00	256	31	28	4	7	11	326	70	21.4	0.61
2715.00	919	350	403	79	145	410	1895	976	51.5	0.54
2730.00	474	38	31	5	10	14	557	83	15.0	0.50
2745.00	214	16	14	3	5	10	251	38	15.0	0.64
2760.00	304	20	12	2	2	9	341	36	10.6	0.82
2775.00	679	55	46	8	11	23	798	119	14.9	0.69
2790.00	554	29	17	3	4	12	606	52	8.6	0.75
2805.00	640	43	21	3	3	8	711	71	9.9	1.01
2820.00	746	45	23	4	5	13	822	77	9.3	0.74
2835.00	1044	53	24	7	4	6	1132	88	7.8	1.98
2850.00	674	48	26	4	5	14	758	84	11.1	0.81
2865.00	237	22	19	3	4	9	286	48	16.9	0.79
2880.00	250	13	9	1	2	6	275	25	9.2	0.76
2895.00	297	14	10	1	2	3	323	26	8.2	0.77
2910.00	53	3	3			1	59	6	10.2	0.83
2925.00	125	12	7	1	1	2	146	21	14.4	1.21
2940.00	227	13	9	1	1	1	253	25	9.9	1.05
2955.00	145	10	7	1	1	3	164	19	11.6	1.16
2970.00	67	6	5	1	1	2	81	13	16.5	1.18
2985.00	134	11	9	2	2	7	158	23	14.7	0.79
3000.00	118	10	9	2	2	3	141	23	16.2	0.94
3010.00	156	9	1	1	1	4	168	12	7.2	0.72
3020.00	416	67	60	11	14	15	568	152	26.7	0.79
3030.00	197	24	24	4	6	10	256	59	22.9	0.63

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Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wetness	iC4/nC4
3039.00	260	31	27	7	9	18	334	74	22.0	0.77
3048.00	318	31	24	4	7	16	384	66	17.2	0.66
3054.00	354	33	26	5	8	16	427	72	17.0	0.67
3063.00	610	53	46	12	23	42	744	134	18.1	0.53
3072.00	452	57	79	24	48	68	659	207	31.5	0.50
3081.00	169	36	41	9	17	30	271	103	37.8	0.53
3090.00	242	22	15	3	3	4	285	43	15.1	0.80
3099.00	3610	869	745	136	271	255	5631	2021	35.9	0.50
3108.00	18757	3348	2230	313	608	538	25256	6499	25.7	0.52
3117.00	8349	1923	1656	265	615	713	12808	4459	34.8	0.43
3126.00	5690	1364	1482	246	617	586	9399	3708	39.5	0.40
3135.00	5499	1165	1250	218	554	655	8686	3187	36.7	0.39
3144.00	4652	922	883	150	337	370	6945	2294	33.0	0.45
3153.00	1497	393	401	74	157	221	2522	1025	40.6	0.47
3162.00	4102	1115	1201	235	477	567	7130	3028	42.5	0.49
3171.00	11495	1259	878	145	263	274	14041	2545	18.1	0.55
3178.00	277	78	171	27	106	114	659	382	57.9	0.26
3189.00	542	163	149	24	60	192	938	396	42.2	0.40
3198.00	303	77	62	9	24	104	474	171	36.1	0.36
3207.00	303	33	43	9	39	61	427	124	29.1	0.23
3216.00	567	34	29	6	14	50	650	83	12.8	0.46
3225.00	244	17	20	4	10	70	294	50	17.1	0.36

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1505.00	42	3	5	1	1	15	52	11	20.2	0.59
1630.00	41	6	6	2	4	27	58	18	30.1	0.69
1750.00	42	8	6	2	3	12	62	20	31.7	0.85
1845.00	39	7	5	2	2	10	54	16	29.1	0.88
1905.00	10	2	2		1	3	15	4	29.5	0.83
1920.00	30	5	4	1	1	8	41	11	26.8	0.60
1935.00	13	2	2		1	1	18	5	27.1	0.69
1950.00	27	7	7	2	2	7	46	19	41.3	1.10
1965.00	24	5	5	2	2	2	38	14	37.0	1.10
1980.00	32	5	4	1	1	7	44	12	26.8	0.83
1995.00	28	6	6	2	2	9	43	15	34.0	1.05
2010.00	24	4	4	1	1	6	34	10	30.1	0.98
2025.00	23	5	4	1	1	3	36	12	34.1	1.06
2040.00	26	5	4	1	1	8	38	11	30.2	0.82
2055.00	24	5	4	1	1	5	35	11	30.4	0.75
2070.00	30	5	4	1	1	9	41	11	27.4	0.48
2085.00	23	4	3	1	1	9	32	8	26.8	0.51
2100.00	20	3	2		1	3	27	7	25.6	0.40
2115.00	16	2	2		1	4	21	5	24.4	0.81
2130.00	11	2	2		1	4	16	4	27.3	0.75
2145.00	16	3	5	1	1	5	27	11	40.7	0.91
2160.00	26	5	8	2	3	12	45	18	40.6	0.84
2175.00	29	10	22	6	6	12	72	43	60.2	1.02
2190.00	17	6	15	4	4	9	47	30	64.4	0.97
2205.00	23	4	7	2	3	11	39	16	40.9	0.70
2220.00	65	11	17	5	8	16	106	41	38.5	0.70
2235.00	25	4	3	1	2	9	35	10	28.5	0.50

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2250.00	34	5	4	1	2	6	46	11	24.8	0.39
2265.00	41	28	84	27	386	98	566	525	92.8	0.07
2280.00	42	19	55	20	30	106	166	125	74.9	0.66
2295.00	54	14	47	22	37	183	173	120	68.9	0.59
2310.00	29	9	24	9	16	71	86	58	66.6	0.57
2325.00	32	7	18	8	16	106	82	50	61.4	0.52
2340.00	30	16	71	31	51	167	200	170	85.1	0.61
2355.00	42	31	125	53	90	252	341	300	87.8	0.59
2370.00	15	7	43	29	49	215	142	127	89.6	0.58
2385.00	14	16	96	69	103	352	298	284	95,3	0.67
2400.00	13	8	31	17	35	142	103	91	87.6	0.47
2415.00	28	7	13	4	11	63	64	36	55.9	0.39
2430.00	26	5	5	1	4	27	41	15	35.8	0.31
2445.00	20	5	7	1	4	19	37	17	45.0	0.39
2460.00	20	38	79	15	30	51	182	162	89.0	0.50
2475.00	49	81	146	29	61	113	366	317	86.7	0.48
2490.00	96	106	132	28	56	121	418	322	77.1	0.50
2505.00	31	87	149	30	60	115	356	326	91.4	0.49
2520.00	19	11	31	9	21	53	90	71	79.0	0.43
2535.00	59	161	331	77	155	338	783	724	92.5	0.49
2550.00	94	303	528	111	230	434	1266	1172	92.6	0.48
2565.00	25	27	86	26	59	142	222	198	88.9	0.44
2580.00	27	51	138	35	80	170	330	304	92.0	0.44
2595.00	37	140	360	85	180	317	803	765	95.4	0.47
2610.00	33	25	86	23	61	152	228	195	85.5	0.38
2625.00	28	6	16	5	17	62	71	43	60.9	0.30
2640.00	42	10	34	10	32	78	128	86	67.4	0.30

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2655.00	12	3	8	3	10	28	35	23	65.4	0.30
2670.00	10	11	46	17	46	108	130	120	92.1	0.37
2685.00	11	6	23	7	18	43	65	54	83.7	0.36
2700.00	19	4	4	1	4	15	32	13	40.6	0.33
2715.00	14	7	32	11	31	78	95	81	84.9	0.34
2730.00	11	2	4	1	2	6	21	10	45.5	0.55
2745.00	9	2	2	1	2	5	15	6	42.3	0.32
2760.00	10	2	2		1	7	15	5	34.4	0.37
2775.00	16	3	5	1	3	10	28	12	41.9	0.42
2790.00	4	1	1			3	5	2	33.0	0.54
2805.00	13	3	5	2	2	11	24	12	47.9	0.66
2820.00	21	4	6	2	4	12	35	15	41.9	0.50
2835.00	10	2	3	1	2	9	18	8	43.4	0.53
2850.00	14	2	3	1	2	8	22	8	38.5	0.49
2865.00	9	2	2	1	2	12	16	7	42.3	0.38
2880.00	13	2	2		1	6	17	5	26.7	0.46
2895.00	12	2	2		1	6	17	5	29.2	0.56
2910.00	15	2	1	1	1	1	20	5	25.5	1.04
2925.00	6	1	2		1	3	9	4	39.3	0.75
2940.00	6	2	1			3	9	3	34.4	0.59
2955.00	13	2	2		1	5	17	5	26.1	0.55
2970.00	20	3	2	1	1	4	27	7	25.3	0.45
2985.00	8	1	1		1	5	12	4	29.6	0.55
3000.00	8	1	1		1	2	11	3	30.2	0.62
3010.00	8	1	2	1	1	5	12	4	36.8	0.51
3020.00	13	3	9	3	6	15	33	21	62.4	0.47
3030.00	15	2	3	1	3	10	24	9	38.7	0.52

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Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
3039.00	9	2	3	2	3	7	19	10	50.8	0.58
3048.00	9	2	3	1	2	8	17	8	47.5	0.57
3054.00	12	2	4	2	4	13	24	12	50.2	0.45
3063.00	18	4	6	2	5	16	34	16	48.1	0.38
3072.00	13	2	6	3	9	30	34	20	60.5	0.30
3081.00	10	2	7	3	8	23	31	21	66.7	0.36
3090.00	9	2	4	1	3	11	19	10	53.9	0.42
3099.00	488	999	2540	754	1757	2209	6538	6050	92.5	0.43
3108.00	762	1684	3762	974	2378	3121	9561	8798	92.0	0.41
3117.00	179	452	1486	480	1319	2204	3916	3737	95.4	0.36
3126.00	58	129	614	245	741	1630	1787	1729	96.8	0.33
3135.00	94	153	546	190	592	1261	1576	1481	94.0	0.32
3144.00	146	234	691	215	598	964	1884	1738	92.2	0.36
3153.00	53	68	153	53	142	404	468	416	88.7	0.37
3162.00	37	44	140	55	144	393	419	382	91.3	0.38
3171.00	180	205	359	89	244	506	1078	897	83.3	0.36
3178.00	41	6	15	6	23	132	91	50	55.2	0.25
3189.00	21	16	58	17	53	131	165	144	87.4	0.31
3198.00	26	8	20	6	20	59	80	54	67.4	0.27
3207.00	15	5	13	4	13	49	50	34	69.0	0.27
3216.00	23	6	12	3	16	52	60	37	61.1	0.21
3225.00	31	6	10	4	13	69	64	33	51.8	0.27

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas (µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
1505.00	10152	72	14	3	4	23	10245	93	0.9	0.80
1630.00	3969	55	14	4	6	33	4049	80	2.0	0.79
1750.00	5713	101	19	6	5	18	5844	131	2.2	1.17
1845.00	1959	47	10	2	2	11	2021	62	3.1	1.02
1905.00	1087	36	9	2	1	4	1136	48	4.2	1.28
1920.00	2162	69	13	2	2	8	2248	86	3.8	1.18
1935.00	2666	70	10	2	1	1	2748	83	3.0	1.62
1950.00	1490	79	19	5	3	8	1596	106	6.6	1.51
1965.00	2134	85	22	5	3	3	2249	115	5.1	1.70
1980.00	1430	46	12	2	2	7	1493	62	4.2	1.25
1995.00	1081	46	16	4	2	9	1149	68	5.9	1.59
2010.00	864	37	11	3	2	7	916	52	5.7	1.50
2025.00	834	39	13	3	2	3	891	57	6.4	1.46
2040.00	1174	57	18	4	2	9	1255	82	6.5	1.68
2055.00	1589	59	12	2	2	6	1665	76	4.6	1.13
2070.00	1937	71	16	3	3	12	2030	94	4.6	0.96
2085.00	977	33	10	2	2	10	1023	47	4.6	1.13
2100.00	511	18	6	1	1	3	538	27	5.0	0.86
2115.00	1470	37	11	2	1	6	1521	51	3.4	1.42
2130.00	1276	29	11	2	1	6	1321	45	3.4	1.49
2145.00	2729	83	32	5	4	8	2853	124	4.3	1.44
2160.00	790	48	29	6	5	14	878	88	10.0	1.23
2175.00	2662	153	74	12	9	16	2911	249	8.5	1.35
2190.00	1229	77	46	9	7	11	1367	139	10.1	1.25
2205.00	798	47	32	7	6	13	890	92	10.4	1.11
2220.00	1915	107	71	14	14	24	2120	205	9.7	1.00
2235.00	1189	43	26	5	5	14	1268	79	6.2	1.03

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas (µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wetness	iC4/nC4
2250.00	651	23	13	3	3	8	692	41	6.0	0.79
2265.00	3582	375	290	65	417	141	4729	1146	24.2	0.16
2280.00	2825	234	189	46	53	145	3346	521	15.6	0.87
2295.00	2122	196	236	71	85	283	2709	587	21.7	0.83
2310.00	2117	139	126	33	40	124	2455	339	13.8	0.82
2325.00	807	59	77	24	34	154	1001	194	19.4	0.71
2340.00	1754	279	309	90	107	248	2539	785	30.9	0.85
2355.00	1945	344	382	118	150	326	2938	994	33.8	0.79
2370.00	501	100	177	74	100	302	951	451	47.4	0.74
2385.00	753	322	465	184	223	537	1947	1195	61.3	0.82
2400.00	1253	301	273	93	119	322	2040	787	38.6	0.78
2415.00	1090	209	154	39	57	188	1549	458	29.6	0.69
2430.00	204	35	32	7	13	45	291	87	29.8	0.53
2445.00	685	71	49	8	16	45	829	145	17.4	0.49
2460.00	1135	579	425	64	88	110	2290	1156	50.5	0.72
2475.00	4127	1447	955	153	205	263	6888	2761	40.1	0.75
2490.00	3199	1077	798	140	193	288	5407	2208	40.8	0.73
2505.00	5616	1647	1167	203	278	388	8911	3294	37.0	0.73
2520.00	1445	327	292	57	85	148	2205	761	34.5	0.67
2535.00	2658	1292	1087	202	303	506	5542	2884	52.0	0.67
2550.00	8476	3322	2455	429	613	859	15295	6819	44.6	0.70
2565.00	1512	715	763	153	228	341	3371	1859	55.1	0.67
2580.00	1413	833	981	195	296	432	3718	2305	62.0	0.66
2595.00	4167	2702	2655	498	707	878	10728	6561	61.2	0.70
2610.00	1319	723	918	183	295	423	3438	2119	61.6	0.62
2625.00	221	58	105	22	52	119	458	237	51.6	0.41
2640.00	398	118	182	45	91	161	835	436	52.3	0.49

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4/nC4
2655.00	348	76	106	25	53	96	607	259	42.7	0.47
2670.00	940	403	484	111	198	301	2136	1196	56.0	0.56
2685.00	396	86	92	19	38	71	631	235	37.2	0.50
2700.00	275	35	32	5	10	26	357	83	23.1	0.51
2715.00	933	357	434	89	176	488	1990	1057	53.1	0.51
2730.00	485	40	35	6	12	21	578	93	16.1	0.51
2745.00	222	18	16	4	7	15	266	44	16.5	0.55
2760.00	314	21	14	3	4	16	355	41	11.6	0.67
2775.00	695	57	50	9	14	34	826	131	15.9	0.63
2790.00	558	29	17	3	4	15	611	54	8.8	0.73
2805.00	653	45	27	5	6	19	735	82	11.2	0.87
2820.00	767	49	28	6	9	24	858	91	10.7	0.64
2835.00	1054	55	27	8	6	15	1150	96	8.4	1.49
2850.00	687	50	30	5	7	22	780	92	11.9	0.72
2865.00	247	23	21	4	6	22	302	55	18.3	0.66
2880.00	262	15	10	2	3	13	292	30	10.2	0.67
2895.00	309	16	11	2	2	9	340	31	9.2	0.70
2910.00	68	5	4	1	1	3	79	11	14.1	0.97
2925.00	131	13	9	2	2	5	155	25	15.9	1.03
2940.00	233	15	10	2	2	3	262	28	10.8	0.96
2955.00	158	12	9	2	2	8	181	24	13.0	0.93
2970.00	87	9	7	2	2	7	107	20	18.6	0.77
2985.00	143	12	10	2	3	12	170	27	15.8	0.73
3000.00	126	12	10	2	2	4	152	26	17.2	0.85
3010.00	163	10	2	2	2	8	180	16	9.2	0.63
3020.00	429	70	69	14	20	30	601	173	28.7	0.69
3030.00	212	27	27	5	9	20	280	68	24.3	0.60

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Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas
(µl gas/kg rock)

Project: NOCS 15/6-8A&S
Well: NOCS 15/6-8S
Depth unit of measure: m * Indicated values in ml gas/kg rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 / nC4
3039.00	269	32	30	9	12	25	352	83	23.6	0.73
3048.00	327	33	26	6	9	24	400	74	18.4	0.63
3054.00	366	36	31	7	11	29	451	84	18.7	0.60
3063.00	628	57	52	14	28	58	779	151	19.4	0.50
3072.00	465	60	85	27	57	98	693	228	32.9	0.46
3081.00	179	38	48	12	25	53	302	123	40.8	0.47
3090.00	250	24	19	4	6	15	304	53	17.6	0.61
3099.00	4098	1868	3285	890	2028	2464	12169	8071	66.3	0.44
3108.00	19519	5033	5991	1288	2986	3659	34817	15298	43.9	0.43
3117.00	8528	2375	3141	745	1934	2917	16724	8195	49.0	0.38
3126.00	5748	1493	2095	491	1357	2216	11186	5437	48.6	0.36
3135.00	5593	1318	1796	408	1146	1915	10262	4668	45.5	0.36
3144.00	4798	1156	1574	366	936	1334	8830	4032	45.7	0.39
3153.00	1549	461	554	127	299	625	2990	1441	48.2	0.42
3162.00	4138	1159	1341	290	621	960	7549	3411	45.2	0.47
3171.00	11676	1464	1237	234	507	781	15118	3442	22.8	0.46
3178.00	318	84	186	33	129	246	750	432	57.6	0.26
3189.00	563	179	207	41	114	323	1103	540	49.0	0.36
3198.00	329	85	81	14	44	163	554	225	40.6	0.32
3207.00	318	38	56	12	52	110	477	159	33.3	0.24
3216.00	590	40	41	10	29	102	710	120	16.9	0.33
3225.00	275	23	30	7	23	139	359	84	23.3	0.31

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1505.00							0153
	1.64	100	Sh/Clst: m gy to brn gy, calc, slt, glauc				0153-1L
		tr	S/Sst : w, f				0153-2L
1630.00							0154
		85	Sh/Clst: m gy to brn gy, calc, slt, glauc				0154-1L
		10	S/Sst : w, f				0154-2L
		5	Ca : pl y brn				0154-3L
1750.00							0155
	2.13	100	Sh/Clst: m gy to brn gy, calc, slt, glauc				0155-1L
		tr	S/Sst : w, f				0155-2L
		tr	Ca : pl y brn				0155-3L
1845.00							0156
		90	S/Sst : w, f, crs, l				0156-1L
		10	Sh/Clst: m gy to brn gy, gn gy				0156-2L
1905.00							0157
	1.11	95	Sh/Clst: m gy to ol gy				0157-1L
		5	S/Sst : w, carb, glauc				0157-2L
1920.00							0158
		100	Sh/Clst: m gy to ol gy				0158-1L
		tr	Ca : pl y brn				0158-2L
1935.00							0160
		100	Sh/Clst: brn gy to ol gy, dsk y brn				0160-1L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
1950.00									0161
			90					Sh/Clst: brn gy to ol gy, dsk y brn	0161-1L
			10					S/Sst : w, f	0161-2L
1965.00									0162
		1.07	90					Sh/Clst: brn gy to ol gy, dsk y brn	0162-1L
			10					S/Sst : w, f	0162-2L
1980.00									0163
			80					Sh/Clst: brn gy to ol gy, dsk y brn	0163-1L
			20					S/Sst : w, f, l	0163-2L
1995.00									0164
			95					Sh/Clst: ol gy to drk ol gy	0164-1L
			5					S/Sst : w, f, l	0164-2L
2010.00									0165
			100					Sh/Clst: ol gy to drk ol gy	0165-1L
			tr					Ca : pl y brn	0165-2L
2025.00									0166
			80					S/Sst : w, f, crs, l	0166-1L
			20					Sh/Clst: ol gy	0166-2L
2040.00									0167
			90					Sh/Clst: ol gy to drk ol gy	0167-1L
			10					S/Sst : w, f, l	0167-2L
2055.00									0168
		0.97	100					Sh/Clst: ol gy to drk ol gy	0168-1L
			tr					S/Sst : w, f, l	0168-2L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2070.00								0169	
			100					0169-1L	Sh/Clst: ol gy to drk ol gy, drk gn gy
			tr					0169-2L	S/Sst : w, f, l
2085.00								0170	
			90					0170-1L	Sh/Clst: ol gy, gn gy, brn gy
			5					0170-2L	S/Sst : w, f, l
			5					0170-3L	Ca : pl y brn
2100.00								0171	
			95					0171-1L	Sh/Clst: ol gy to brn gy
			5					0171-2L	S/Sst : w, f, l
2115.00								0172	
		0.87	95					0172-1L	Sh/Clst: m gy to ol gy
			5					0172-2L	Ca : pl y brn
2130.00								0173	
			95					0173-1L	Sh/Clst: m gy to ol gy
			5					0173-2L	Ca : pl y brn
2145.00								0174	
			95					0174-1L	Sh/Clst: m gy to ol gy
			5					0174-2L	Ca : pl y brn
2160.00								0175	
			95					0175-1L	Sh/Clst: m gy to ol gy, brn gy
			5					0175-2L	Ca : pl y brn
2175.00								0176	
		1.10	90					0176-1L	Sh/Clst: m gy to ol gy, brn gy, dsk y brn
			10					0176-2L	Ca : pl y brn

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
2190.00									0177
			90					Sh/Clst: m gy to ol gy, brn gy, dsk y brn	0177-1L
			10					Ca : pl y brn	0177-2L
2205.00									0178
			90					Sh/Clst: gy brn to lt bl gn, ol gy, m gy	0178-1L
			10					Ca : pl y brn	0178-2L
2220.00									0179
			90					Sh/Clst: gy brn to lt bl gn, ol gy, m gy	0179-1L
			10					Ca : pl y brn	0179-2L
2235.00									0180
			75					Sh/Clst: brn gy to red brn	0180-1L
			20					Sh/Clst: m gy to lt bl gn	0180-2L
			5					Ca : pl gy to w	0180-3L
2250.00									0181
			95					Sh/Clst: red brn	0181-1L
			5					Sh/Clst: m gy to lt bl gn	0181-2L
2265.00									0182
		1.42	90					Sh/Clst: m gy to m drk gy, pyr	0182-1L
			5					Sh/Clst: gy brn to red brn	0182-2L
			5					Sh/Clst: lt bl gn	0182-3L
2280.00									0183
			90					Sh/Clst: m gy to m drk gy, pyr	0183-1L
			5					Sh/Clst: gy brn to red brn	0183-2L
			5					Ca : pl y brn	0183-3L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2295.00								0184	
		1.35	70					0184-1L	Sh/Clst: lt gy to m gy
			25					0184-2L	Ca : lt or to pl y brn
			5					0184-3L	Sh/Clst: red brn
2310.00								0185	
			70					0185-1L	Sh/Clst: lt gy to m gy
			25					0185-2L	Ca : lt or to pl y brn
			5					0185-3L	Sh/Clst: red brn
2325.00								0186	
		1.34	90					0186-1L	Sh/Clst: lt gy to m gy, gy brn
			10					0186-2L	Ca : lt or to pl y brn
2340.00								0187	
			100					0187-1L	Sh/Clst: m gy, gy brn, lam
			tr					0187-2L	Ca : lt or to pl y brn
2355.00								0188	
		1.98	100					0188-1L	Sh/Clst: m gy, lam
			tr					0188-2L	Ca : lt or to pl y brn
2370.00								0189	
			100					0189-1L	Sh/Clst: m gy, lam
			tr					0189-2L	S/Sst : w, f
2385.00								0190	
		1.60	100					0190-1L	Sh/Clst: m gy, lam
			tr					0190-2L	S/Sst : w, f
2400.00								0191	
			95					0191-1L	Sh/Clst: m gy to m drk gy, lam
			5					0191-2L	Ca : lt or

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2415.00								0192
		0.65	80	Sh/Clst: lt bl gy to lt gy				0192-1L
			20	S/Sst : w, carb, glauc				0192-2L
2430.00								0193
			95	Sh/Clst: lt bl gy to lt gy				0193-1L
			5	S/Sst : w, pyr, f				0193-2L
2445.00								0194
		0.31	80	S/Sst : w to lt or, f, crs, l				0194-1L
			20	Sh/Clst: lt gn gy to lt bl gy				0194-2L
2460.00								0195
			80	S/Sst : w to lt or, f, crs, l				0195-1L
			20	Sh/Clst: lt gn gy to lt bl gy				0195-2L
			tr	Coal : dsk brn				0195-3L
2475.00								0196
		0.32	90	S/Sst : w to lt or, f, crs, l, kln				0196-1L
			10	Sh/Clst: lt gn gy to lt bl gy				0196-2L
			tr	Coal : dsk brn				0196-3L
2490.00								0197
			90	S/Sst : w to lt or, f, crs, l, kln				0197-1L
			10	Sh/Clst: lt gn gy to lt bl gy				0197-2L
			tr	Coal : dsk brn				0197-3L
2505.00								0198
		0.38	85	S/Sst : w to lt or, f, crs, l, kln				0198-1L
			15	Sh/Clst: lt gn gy to lt bl gy				0198-2L
			tr	Coal : dsk brn				0198-3L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2520.00								0199
			85			S/Sst : w to lt or, f, crs, l, kln		0199-1L
			15			Sh/Clst: lt gn gy to lt bl gy		0199-2L
			tr			Coal : dsk brn		0199-3L
2535.00								0200
			85			S/Sst : w to lt or, f, crs, l, kln		0200-1L
			15			Sh/Clst: lt gn gy to lt bl gy		0200-2L
			tr			Coal : dsk brn		0200-3L
2550.00								0201
		1.34	85			S/Sst : w to lt or, f, crs, l, kln		0201-1L
			10			Sh/Clst: lt gn gy to lt bl gy		0201-2L
			5			Coal : dsk brn		0201-3L
2565.00								0202
			70			S/Sst : w to lt or, f, crs, l, kln		0202-1L
			30			Sh/Clst: lt gn gy to lt bl gy		0202-2L
			tr			Coal : dsk brn		0202-3L
2580.00								0203
			90			S/Sst : w to lt or, m gy, slt, f, l		0203-1L
			10			Sh/Clst: m gy to m drk gy		0203-2L
			tr			Coal : dsk brn		0203-3L
2595.00								0204
		2.42	90			S/Sst : w to lt or, m gy, slt, f, l		0204-1L
			10			Sh/Clst: m gy to m drk gy		0204-2L
			tr			Coal : dsk brn		0204-3L
2610.00								0205
			90			S/Sst : w to lt or, f, crs, kln		0205-1L
			10			Sh/Clst: m gy to m drk gy		0205-2L
			tr			Coal : dsk brn		0205-3L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2625.00						0206
		80	Sh/Clst:	lt gn gy to lt bl gy		0206-1L
		15	S/Sst :	w to m gy, slt, f, kln		0206-2L
		5	Ca :	w		0206-3L
2640.00						0207
		95	Sh/Clst:	lt gn gy to lt bl gy, m gy, gy brn		0207-1L
		5	Ca :	w		0207-2L
2655.00						0208
		95	Sh/Clst:	lt gn gy to lt bl gy, m gy, gy brn		0208-1L
		5	Ca :	w		0208-2L
2670.00						0209
	1.03	75	Sh/Clst:	m gy to drk gy		0209-1L
		20	Sh/Clst:	lt gn gy to lt bl gy		0209-2L
		5	Ca :	w		0209-3L
2685.00						0210
		50	Ca :	w		0210-1L
		40	Sh/Clst:	v col		0210-2L
		10	S/Sst :	w, f		0210-3L
2700.00						0211
		90	Ca :	gy pi, w		0211-1L
		10	Sh/Clst:	v col		0211-2L
2715.00						0212
	0.20	60	S/Sst :	w, f, crs		0212-1L
		25	Ca :	w to gy pi		0212-2L
		15	Sh/Clst:	v col		0212-3L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2730.00								0213	
			90	Ca		: w		0213-1L	
			10	Sh/Clst		: v col		0213-2L	
2745.00								0214	
			90	Ca		: w		0214-1L	
			10	Sh/Clst		: v col		0214-2L	
2760.00								0215	
			90	Ca		: w		0215-1L	
			10	Sh/Clst		: v col		0215-2L	
2775.00								0216	
			90	Ca		: w		0216-1L	
			10	Sh/Clst		: v col		0216-2L	
2790.00								0217	
			95	Ca		: w		0217-1L	
			5	Sh/Clst		: v col		0217-2L	
2805.00								0218	
			70	Ca		: w		0218-1L	
			30	Sh/Clst		: m gy to m drk gy		0218-2L	
2820.00								0219	
			70	Ca		: w		0219-1L	
	1.05		30	Sh/Clst		: m gy to m drk gy		0219-2L	
2835.00								0220	
			85	Ca		: w		0220-1L	
			15	Sh/Clst		: m gy to m drk gy		0220-2L	

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2850.00								0221	
			85	Ca		: w		0221-1L	
			15	Sh/Clst		: m gy to m drk gy		0221-2L	
2865.00								0222	
			85	Ca		: w		0222-1L	
			15	Sh/Clst		: m gy to m drk gy		0222-2L	
2880.00								0223	
			85	Ca		: w		0223-1L	
			15	Sh/Clst		: m gy to m drk gy		0223-2L	
2895.00								0224	
			85	Ca		: gy pi, w		0224-1L	
			15	Sh/Clst		: m gy to m drk gy		0224-2L	
2910.00								0225	
			85	Ca		: gy pi, w		0225-1L	
			15	Sh/Clst		: m gy to m drk gy		0225-2L	
2925.00								0226	
			70	Ca		: gy pi, w		0226-1L	
	1.25		30	Sh/Clst		: m gy to m drk gy, v col		0226-2L	
2940.00								0227	
			90	Ca		: gy pi, w		0227-1L	
			10	Sh/Clst		: m gy to m drk gy, v col		0227-2L	
2955.00								0228	
			90	Ca		: w		0228-1L	
			10	Sh/Clst		: m gy to m drk gy, v col		0228-2L	

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2970.00							0229
		90	Ca	: gy pi, w			0229-1L
		10	Sh/Clst	: m gy to m drk gy, red brn			0229-2L
2985.00							0230
		90	Ca	: w			0230-1L
		10	Sh/Clst	: v col			0230-2L
3000.00							0231
		90	Ca	: gy pi, w			0231-1L
		10	Sh/Clst	: v col			0231-2L
3010.00							0232
		90	Ca	: w, glauc			0232-1L
		10	Sh/Clst	: v col			0232-2L
3020.00							0233
	0.82	90	Sh/Clst	: v col			0233-2L
		10	Ca	: w, glauc			0233-1L
3030.00							0234
		70	Ca	: w, glauc			0234-1L
		30	Sh/Clst	: v col			0234-2L
3039.00							0235
		80	Ca	: w, glauc			0235-1L
		20	Sh/Clst	: v col			0235-2L
3048.00							0236
		80	Ca	: w, glauc			0236-1L
		20	Sh/Clst	: v col			0236-2L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
3054.00								0237
			60	Ca	:	w, pyr, s, glauc		0237-1L
			40	Sh/Clst	:	v col		0237-2L
3063.00								0238
			60	Ca	:	w, pyr, s, cly, mic, glauc		0238-1L
		1.20	40	Sh/Clst	:	gy brn, lt ol gy		0238-2L
3072.00								0239
			75	Ca	:	w to gy w, gy brn, pyr, s, cly, mic, glauc		0239-1L
			25	Sh/Clst	:	gy brn, lt ol gy		0239-2L
3081.00								0240
			75	Ca	:	w to gy w, gy brn, pyr, s, cly, mic, glauc		0240-1L
		1.07	25	Sh/Clst	:	gy brn, lt ol gy, red brn		0240-2L
3090.00								0241
			75	Ca	:	w to gy w, gy brn, pyr, s, cly, mic, glauc		0241-1L
		1.07	25	Sh/Clst	:	gy brn, lt ol gy, red brn		0241-2L
3099.00								0242
		6.86	90	Sh/Clst	:	brn blk, pyr		0242-1L
			5	Sh/Clst	:	lt gn gy, red brn, gy brn		0242-2L
			5	Ca	:	w		0242-3L
			tr	S/Sst	:	w, f		0242-4L
3108.00								0243
		9.44	90	Sh/Clst	:	brn blk, dsk y brn, pyr		0243-1L
			5	Sh/Clst	:	lt gn gy, red brn, gy brn		0243-2L
			5	Ca	:	w		0243-3L
			tr	S/Sst	:	w, f		0243-4L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
3117.00								0244	
		6.44	80					0244-1L	Sh/Clst: brn blk, dsk y brn, pyr
			20					0244-2L	Sh/Clst: lt gn gy, red brn, gy brn
			tr					0244-3L	Ca : w
			tr					0244-4L	S/Sst : w, f
3126.00								0245	
		3.73	50					0245-1L	Sh/Clst: brn blk, dsk y brn, pyr
			50					0245-2L	Sh/Clst: lt gn gy, red brn, gy brn
			tr					0245-3L	Ca : w
			tr					0245-4L	S/Sst : w, f
3135.00								0246	
		3.94	80					0246-1L	Sh/Clst: brn blk, dsk y brn, pyr, slt
			20					0246-2L	Sh/Clst: v col
3144.00								0247	
		5.17	80					0247-1L	Sh/Clst: drk gy to dsk y brn, pyr, slt
			20					0247-2L	Sh/Clst: v col
3153.00								0248	
		2.40	60					0248-1L	Sh/Clst: drk gy to dsk y brn, pyr, slt
			40					0248-2L	Sh/Clst: v col
3162.00								0249	
		2.50	60					0249-1L	Sh/Clst: drk gy to dsk y brn, pyr, slt
			40					0249-2L	Sh/Clst: v col
3171.00								0250	
			75					0250-1L	S/Sst : w to gy w, calc, f, kln
		2.73	10					0250-2L	Sh/Clst: gy brn
		66.90	10					0250-3L	Coal : drk brn, blk
			5					0250-4L	Sh/Clst: v col

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3172.00	ccp						0149
		100	S/Sst	: gy w to lt brn gy, carb, cly, f			0149-1L
	0.49		bulk				0149-0B
3173.00	ccp						0150
	0.28	90	S/Sst	: gy w to lt brn gy, carb, cly, f			0150-1L
		10	Sh/Clst	: lt gn gy			0150-2L
3174.00	ccp						0151
		100	S/Sst	: gy w, carb, f, crs			0151-1L
	0.07		bulk				0151-0B
3175.00	ccp						0152
		100	S/Sst	: gy w, crs			0152-1L
	0.04		bulk				0152-0B
3178.00							0251
	2.00	30	Sh/Clst	: gy brn to dsk y brn			0251-1L
		30	S/Sst	: w, f, crs, l			0251-2L
		30	Sh/Clst	: v col			0251-3L
		10	Cont	: prp			0251-4L
3189.00							0252
		60	S/Sst	: w, mic, f, kln			0252-1L
	2.30	30	Sh/Clst	: gy brn			0252-2L
		10	Sh/Clst	: v col			0252-3L
		tr	Cont	: prp			0252-4L
3198.00							0253
		80	S/Sst	: w, mic, f, kln			0253-1L
		15	Sh/Clst	: gy brn			0253-2L
		5	Sh/Clst	: v col			0253-3L
		tr	Cont	: prp			0253-4L

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Table 2: Lithology description for well NOCS 15/6-8S

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
3207.00								0254
			80	S/Sst	:	w, mic, f, kln		0254-1L
			15	Sh/Clst	:	gy brn		0254-2L
			5	Sh/Clst	:	v col		0254-3L
			tr	Cont	:	prp		0254-4L
3216.00								0255
		0.14	80	Sh/Clst	:	lt gy to lt gn gy		0255-1L
			10	Sh/Clst	:	gy brn		0255-2L
			10	S/Sst	:	w, f, kln		0255-3L
3225.00								0256
			80	S/Sst	:	w to gy pi, pyr, f, crs		0256-1L
			10	Sh/Clst	:	gy brn		0256-2L
			10	Sh/Clst	:	lt gn gy to m brn		0256-3L

Table 3A: Rock-Eval table for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1505.00	cut		Sh/Clst: m gy to brn gy	0.45	3.22	1.40	2.30	1.64	196	85	3.7	0.12	414	0153-1L
1750.00	cut		Sh/Clst: m gy to brn gy	0.71	6.16	2.24	2.75	2.13	289	105	6.9	0.10	390	0155-1L
1905.00	cut		Sh/Clst: m gy to ol gy	0.88	5.11	2.26	2.26	1.11	460	204	6.0	0.15	363	0157-1L
1965.00	cut		Sh/Clst: brn gy to ol gy, dsk y brn	0.74	4.18	1.69	2.47	1.07	391	158	4.9	0.15	360	0162-1L
2055.00	cut		Sh/Clst: ol gy to drk ol gy	0.75	3.33	1.85	1.80	0.97	343	191	4.1	0.18	353	0168-1L
2115.00	cut		Sh/Clst: m gy to ol gy	0.85	3.77	1.90	1.98	0.87	433	218	4.6	0.18	356	0172-1L
2175.00	cut		Sh/Clst: m gy to ol gy, brn gy, dsk y brn	0.69	3.33	1.58	2.11	1.10	303	144	4.0	0.17	354	0176-1L
2265.00	cut		Sh/Clst: m gy to m drk gy	0.39	2.56	1.10	2.33	1.42	180	77	3.0	0.13	425	0182-1L
2295.00	cut		Sh/Clst: lt gy to m gy	0.42	2.93	1.10	2.66	1.35	217	81	3.4	0.13	430	0184-1L
2325.00	cut		Sh/Clst: lt gy to m gy, gy brn	1.06	3.93	1.53	2.57	1.34	293	114	5.0	0.21	356	0186-1L
2355.00	cut		Sh/Clst: m gy	1.08	4.03	1.27	3.17	1.98	204	64	5.1	0.21	424	0188-1L
2385.00	cut		Sh/Clst: m gy	0.90	5.08	1.18	4.31	1.60	318	74	6.0	0.15	425	0190-1L
2415.00	cut		Sh/Clst: lt bl gy to lt gy	0.46	1.87	1.35	1.39	0.65	288	208	2.3	0.20	355	0192-1L
2445.00	cut		S/Sst : w to lt or	0.35	1.22	1.35	0.90	0.31	394	435	1.6	0.22	369	0194-1L
2475.00	cut		S/Sst : w to lt or	0.45	1.26	1.04	1.21	0.32	394	325	1.7	0.26	368	0196-1L

Table 3A: Rock-Eval table for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2505.00	cut		S/Sst : w to lt or	0.34	1.27	1.04	1.22	0.38	334	274	1.6	0.21	366	0198-1L
2550.00	cut		S/Sst : w to lt or	0.70	4.47	2.28	1.96	1.34	334	170	5.2	0.14	366	0201-1L
2595.00	cut		S/Sst : w to lt or, m gy	1.05	5.44	1.34	4.06	2.42	225	55	6.5	0.16	426	0204-1L
2670.00	cut		Sh/Clst: m gy to drk gy	0.64	2.90	1.41	2.06	1.03	282	137	3.5	0.18	356	0209-1L
2715.00	cut		S/Sst : w	0.03	0.14	0.40	0.35	0.20	70	200	0.2	0.18	391	0212-1L
2820.00	cut		Sh/Clst: m gy to m drk gy	0.97	3.93	2.02	1.95	1.05	374	192	4.9	0.20	354	0219-2L
2925.00	cut		Sh/Clst: m gy to m drk gy, v col	1.03	5.42	1.97	2.75	1.25	434	158	6.5	0.16	357	0226-2L
3020.00	cut		Sh/Clst: v col	0.58	2.90	1.53	1.90	0.82	354	187	3.5	0.17	357	0233-2L
3063.00	cut		Sh/Clst: gy brn, lt ol gy	0.93	4.91	2.04	2.41	1.20	409	170	5.8	0.16	359	0238-2L
3081.00	cut		Sh/Clst: gy brn, lt ol gy, red brn	0.87	4.05	1.79	2.26	1.07	379	167	4.9	0.18	357	0240-2L
3090.00	cut		Sh/Clst: gy brn, lt ol gy, red brn	0.88	4.66	1.92	2.43	1.07	436	179	5.5	0.16	358	0241-2L
3099.00	cut		Sh/Clst: brn blk	4.75	44.81	2.06	21.75	6.86	653	30	49.6	0.10	428	0242-1L
3108.00	cut		Sh/Clst: brn blk, dsk y brn	5.49	63.45	1.62	39.17	9.44	672	17	68.9	0.08	428	0243-1L
3117.00	cut		Sh/Clst: brn blk, dsk y brn	3.89	37.40	1.75	21.37	6.44	581	27	41.3	0.09	429	0244-1L
3126.00	cut		Sh/Clst: brn blk, dsk y brn	1.99	16.82	2.31	7.28	3.73	451	62	18.8	0.11	431	0245-1L
3135.00	cut		Sh/Clst: brn blk, dsk y brn	2.32	16.79	2.04	8.23	3.94	426	52	19.1	0.12	431	0246-1L

Table 3A: Rock-Eval table for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3144.00	cut		Sh/Clst: drk gy to dsk y brn	3.09	26.15	2.32	11.27	5.17	506	45	29.2	0.11	425	0247-1L
3153.00	cut		Sh/Clst: drk gy to dsk y brn	1.36	8.67	2.25	3.85	2.40	361	94	10.0	0.14	369	0248-1L
3162.00	cut		Sh/Clst: drk gy to dsk y brn	1.43	8.78	2.86	3.07	2.50	351	114	10.2	0.14	435	0249-1L
3171.00	cut		Sh/Clst: gy brn	1.09	10.15	3.76	2.70	2.73	372	138	11.2	0.10	435	0250-2L
3171.00	cut		Coal : drk brn, blk	33.27	225.17	40.17	5.61	66.90	337	60	258.4	0.13	423	0250-3L
3172.00	ccp		bulk	1.05	1.89	1.38	1.37	0.49	386	282	2.9	0.36	361	0149-0B
3173.00	ccp		S/Sst : gy w to lt brn gy	0.39	1.10	0.50	2.20	0.28	393	179	1.5	0.26	350	0150-1L
3174.00	ccp		bulk	0.06	0.50	0.07	7.14	0.07	714	100	0.6	0.11	462	0151-0B
3175.00	ccp		bulk	0.06	0.36	1.93	0.19	0.04	900	4825	0.4	0.14	349	0152-0B
3178.00	cut		Sh/Clst: gy brn to dsk y brn	0.95	6.08	2.13	2.85	2.00	304	107	7.0	0.14	366	0251-1L
3189.00	cut		Sh/Clst: gy brn	1.64	10.90	3.24	3.36	2.30	474	141	12.5	0.13	373	0252-2L
3216.00	cut		Sh/Clst: lt gy to lt gn gy	0.50	1.17	1.31	0.89	0.14	836	936	1.7	0.30	355	0255-1L

Table 3B: Rock-Eval table for well RE,STD

Depth unit of measure: m

Depth	Typ	Form	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1.00	std		bulk	0.53	19.90	1.97	10.10	-	-	-	20.4	0.03	419	0127-0B
2.00	std		bulk	0.46	18.83	2.05	9.19	-	-	-	19.3	0.02	422	0129-0B
3.00	std		bulk	0.43	19.00	2.16	8.80	-	-	-	19.4	0.02	419	0135-0B

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2355.00	cut	Sh/Clst: m gy	3.92	36.65	42.15	17.28	-	0188-1L
2550.00	cut	S/Sst : w to lt or	7.97	42.17	42.75	7.11	-	0201-1L
2595.00	cut	S/Sst : w to lt or, m gy	6.74	27.83	38.47	26.96	-	0204-1L
2820.00	cut	Sh/Clst: m gy to m drk gy	0.85	35.23	62.56	1.35	-	0219-2L
3099.00	cut	Sh/Clst: brn blk	3.08	20.61	38.07	38.24	-	0242-1L
3117.00	cut	Sh/Clst: brn blk, dsk y brn	2.94	20.26	39.96	36.85	-	0244-1L
3135.00	cut	Sh/Clst: brn blk, dsk y brn	0.94	15.39	51.17	32.51	-	0246-1L
3162.00	cut	Sh/Clst: drk gy to dsk y brn	3.39	34.60	47.74	14.27	-	0249-1L
3171.00	cut	Coal : drk brn, blk	14.03	18.44	51.19	16.34	-	0250-3L
3172.00	ccp	bulk	4.82	48.33	41.34	5.52	-	0149-0B
3173.00	ccp	S/Sst : gy w to lt brn gy	8.81	47.25	39.08	4.86	-	0150-1L
3174.00	ccp	bulk	6.86	50.00	38.88	4.26	-	0151-0B
3175.00	ccp	bulk	8.40	53.32	33.64	4.64	-	0152-0B
3178.00	cut	Sh/Clst: gy brn to dsk y brn	3.50	43.01	45.08	8.40	-	0251-1L
3189.00	cut	Sh/Clst: gy brn	0.84	23.12	64.78	11.26	-	0252-2L

Table 5 a: MPLC Bulk Composition: Weight of EOM and Fraction for well NOCS 15/6-8S

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
2550.00	cut	S/Sst : w	5.7	2.0	0.1	0.2	1.3	0.4	0.3	1.7	1.34	0201-1L
2595.00	cut	S/Sst : w	4.4	1.4	0.1	0.1	0.9	0.2	0.3	1.1	2.42	0204-1L
3108.00	cut	Sh/Clst: br	10.2	116.1	19.5	30.5	15.6	50.5	50.0	66.1	9.44	0243-1L
3135.00	cut	Sh/Clst: br	10.7	38.5	3.6	5.9	8.2	20.8	9.5	29.0	3.94	0246-1L
3171.00	cut	Sh/Clst: gy	10.9	16.4	2.4	3.1	4.0	6.9	5.5	10.9	2.73	0250-2L
3172.00	ccp	S/Sst : gy	8.7	17.3	1.1	0.9	1.4	13.9	2.0	15.3	0.49	0149-1L

Table 5 b: MPLC Bulk Composition: Concentration of EOM and Fraction (wt ppm rock) for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2550.00	cut	S/Sst : w	349	20	27	226	73	48	300	0201-1L
2595.00	cut	S/Sst : w	315	27	31	202	54	58	256	0204-1L
3108.00	cut	Sh/Clst: br	11360	1910	2982	1530	4936	4893	6466	0243-1L
3135.00	cut	Sh/Clst: br	3611	339	554	769	1948	893	2717	0246-1L
3171.00	cut	Sh/Clst: gy	1503	216	284	367	635	500	1002	0250-2L
3172.00	ccp	S/Sst : gy	1995	126	109	158	1600	236	1758	0149-1L

Table 5 c: MPLC Bulk Composition: Concentration of EOM and Fraction (mg/g TOC(e)) for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro.	Asph	NSO	HC	Non-HC	Sample
2550.00	cut	S/Sst : w	26.05	1.56	2.08	16.93	5.47	3.65	22.40	0201-1L
2595.00	cut	S/Sst : w	13.03	1.12	1.30	8.38	2.23	2.42	10.61	0204-1L
3108.00	cut	Sh/Clst: br	120.34	20.24	31.59	16.21	52.29	51.84	68.50	0243-1L
3135.00	cut	Sh/Clst: br	91.67	8.62	14.07	19.52	49.45	22.69	68.98	0246-1L
3171.00	cut	Sh/Clst: gy	55.06	7.92	10.41	13.46	23.27	18.33	36.73	0250-2L
3172.00	ccp	S/Sst : gy	407.22	25.89	22.36	32.25	326.72	48.25	358.97	0149-1L

Table 5 d: MPLC Bulk Composition: Material extracted from the rock (%) for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	Total	HC	Non-HC	Recov. MPLC	Recov. Asph	Sample
2550.00	cut	S/Sst : w	6.00	8.00	65.00	20.50	99.50	14.00	85.50	-	0.65	0201-1L
2595.00	cut	S/Sst : w	8.57	10.00	64.29	17.14	100.00	18.57	81.43	-	0.64	0204-1L
3108.00	cut	Sh/Clst: br	16.82	26.25	13.47	43.45	99.99	43.07	56.92	-	0.13	0243-1L
3135.00	cut	Sh/Clst: br	9.40	15.35	21.30	53.95	100.00	24.75	75.25	-	0.21	0246-1L
3171.00	cut	Sh/Clst: gy	14.39	18.90	24.45	42.26	100.00	33.29	66.71	-	0.24	0250-2L
3172.00	ccp	S/Sst : gy	6.36	5.49	7.92	80.23	100.00	11.85	88.15	-	0.08	0149-1L

Table 5 e: MPLC Bulk Composition: Ratios for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Lithology	Sat / Aro	HC / Non-HC	Asp / NSO	Sample
2550.00	cut	S/Sst : w	0.75	0.16	3.17	0201-1L
2595.00	cut	S/Sst : w	0.86	0.23	3.75	0204-1L
3108.00	cut	Sh/Clst: br	0.64	0.76	0.31	0243-1L
3135.00	cut	Sh/Clst: br	0.61	0.33	0.39	0246-1L
3171.00	cut	Sh/Clst: gy	0.76	0.50	0.58	0250-2L
3172.00	ccp	S/Sst : gy	1.16	0.13	0.10	0149-1L

Table 6: Saturated Hydrocarbon Ratios (peak area) for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	Pristane/nC17 / Phytane/nC18	Phytane / nC18	CPI1	nC17 / nC17+nC27	Sample
2550.00	cut	S/Sst : w to lt or	1.20	1.24	2.06	0.59	1.42	0.67	0201-1L
2595.00	cut	S/Sst : w to lt or, m gy	2.57	3.43	6.35	0.41	2.19	0.42	0204-1L
3108.00	cut	Sh/Clst: brn blk, dsk y brn	1.44	1.11	1.07	1.35	0.88	0.86	0243-1L
3135.00	cut	Sh/Clst: brn blk, dsk y brn	2.08	2.19	1.93	1.08	1.17	0.73	0246-1L
3171.00	cut	Sh/Clst: gy brn	2.09	1.92	1.79	1.17	1.46	0.68	0250-2L
3172.00	ccp	S/Sst : gy w to lt brn gy	1.33	2.57	2.83	0.47	1.18	0.78	0149-1L

Table 7a: Aromatic Hydrocarbon Ratios (peak area) for well NOCS 15/6-8S

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
2550.00	cut	S/Sst : w to lt or	-	-	-	0.70	0.26	0.34	0.56	-	-	-	0201-1L
2595.00	cut	S/Sst : w to lt or, m gy	-	-	-	0.51	0.17	0.25	0.50	-	-	-	0204-1L
3108.00	cut	Sh/Clst: brn blk, dsk y brn	1.14	2.21	0.17	-	-	-	-	1.01	0.20	0.19	0243-1L
3135.00	cut	Sh/Clst: brn blk, dsk y brn	1.06	1.92	0.13	-	-	-	-	0.55	0.29	0.32	0246-1L
3171.00	cut	Sh/Clst: gy brn	0.94	1.92	-	-	-	-	-	0.49	0.24	0.22	0250-2L
3172.00	ccp	S/Sst : gy w to lt brn gy	-	1.59	-	1.61	0.60	0.71	0.76	-	-	-	0149-1L