

# Formation pressures, Well 34/7-15S



Set No.	Depth		Hydrostatic Mud Pressures		Formation Pressures (HP-gauge)		Comments
	MD m RKB	TVD m RKB	psia	psia	psia	bar	
<b>Set Run 2A</b>							
1	3554.2	3505.8	7872.20	-	-	-	Tight, abandon test
2	3554.0	3505.6	7871.30	-	-	-	No seal
3	3561.0	3511.0	7883.80	-	-	-	No seal
4	3568.0	3516.4	7893.60	-	-	-	No seal
5	3582.5	3527.5	7917.80	-	-	-	No seal
6	3582.5	3527.1	7918.80	-	-	-	No seal
7	3583.0	3527.9	7918.10	-	-	-	No seal
8	3582.5	3527.5	7910.40	-	-	-	No seal
9	3582.0	3527.1	7909.34	4520.4	311.67	-	Tight, abandon test
10	3588.5	3532.1	7921.00	-	-	-	No seal
11	3598.5	3539.6	7938.20	-	-	-	No seal
12	3599.5	3540.4	7940.58	7280.9	501.99	-	Good quality
13	3664.3	3587.2	8043.70	-	-	-	Tight, abandon test
14	3802.5	3683.1	8257.10	-	-	-	No seal
15	3803.0	3684.3	8257.10	-	-	-	No seal
16	3904.5	3756.2	8418.10	-	-	-	No seal
17	3906.5	3757.6	8420.20	-	-	-	No seal
18	3599.5	3540.4	7937.80	7276.6	501.70	-	Segregated sample
<b>Set Run 4C</b>							
1	4467.4	4174.2	10102.30	-	-	-	Tight, abandon test
2	4466.2	4173.2	10097.78	8967.5	618.29	-	Tight
3	4466.0	4173.0	10123.00	-	-	-	Tight, abandon test
4	4439.4	4150.7	10021.84	8600.7	592.99	-	Tight
5	4439.3	4150.6	10029.62	8474.8	584.32	-	Good permeability
<b>Segregated Sample</b>							
Run No.	Depth MD m RKB	TVD m RKB	2 3/4 gallon				
2A	3599.5	3540.4	Opening pressure : 450 psia				
			Gas : 0 cc				
			Oil : 0 cc				
			Mud/Water : 9750 cc				

**REMARKS:**

The pressures are temperature corrected  
KB = 25 m

**Run 3B.**

Not completed operation. Did not enter below 4080 m due to bad hole condition.

1 gallon chamber, accidentally emptied before entering GECO laboratories.

Figure 5.3 Formation Pressures

Well: 34/7-15S

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf /Mf	Ca++ mg/l	Cl- mg/l	Sand %	Solids %	Mudtype
900523	36"	358.0	1.05			/	9.5	/					SPUD MUD
900524	36"	432.0	1.05			/	9.5	/					SPUD MUD
900526	36"	433.0	1.05			/	9.5	/					SPUD MUD
900527	36"	433.0	1.05			22/27	10.0	/					SPUD MUD
900528	36"	433.0	1.05			22/27	10.0	/					SPUD MUD
900529	17 1/2"	687.0	1.12	12.0	36.0	36/48	9.9	/					GEL MUD
900530	17 1/2"	970.0	1.13	7.0	38.0	21/23	9.5	/		5000	1.5		GEL MUD
900531	26"	970.0	1.15	6.0	28.0	26/36	9.0	/		7000	1.5		GEL MUD
900601	26"	970.0	1.18	8.0	34.0	28/40	9.9	/	400	8500	1.5		GEL MUD
900602	26"	970.0	1.18	8.0	34.0	28/40	8.9	/	400	8500	1.5		GEL MUD
900603	26"	970.0				/		/					GEL MUD
900604	26"	970.0	1.10			/		/					KCL MUD
900605	17 1/2"	1038.0	1.12	26.0	12.0	2/3	8.8	.1/1.5	280	50000	.5	6.0	KCL MUD
900606	17 1/2"	1381.0	1.20	29.0	9.0	2/3	8.5	.1/1.5	280	48000	.5	8.0	KCL MUD
900607	17 1/2"	1709.0	1.20	32.0	11.0	2/3	8.2	.1/2.5	520	46000	1.5	8.0	KCL MUD
900608	17 1/2"	1999.0	1.27	28.0	9.0	2/3	8.3	.1/2.5	440	47000	1.5	13.0	KCL MUD
900609	17 1/2"	2120.0	1.30	36.0	10.0	2/3	8.6	.1/1.8	360	45000	.5	15.0	KCL MUD
900610	17 1/2"	2230.0	1.38	37.0	14.0	2/4	8.3	.1/1.9	360	49000	.5	17.0	KCL MUD
900611	17 1/2"	2350.0	1.42	38.0	14.0	2/5	8.5	.1/1.9	360	49000	.5	19.0	KCL MUD
900612	17 1/2"	2420.0	1.42	30.0	12.0	2/5	8.6	.1/1.9	240	51000	.5	19.0	KCL MUD
900613	17 1/2"	2555.0	1.45	46.0	13.0	2/14	8.3	.1/1.7	240	53000	.5	21.0	KCL MUD
900614	17 1/2"	2621.0	1.45	30.0	14.0	2/14	8.1	.1/1.7	320	54000	.3	21.0	KCL MUD
900615	17 1/2"	2621.0	1.45	29.0	14.0	2/12	8.1	.1/1.4	320	54000	.3	21.0	KCL MUD
900616	17 1/2"	2621.0	1.45	29.0	10.0	2/9	8.1	.1/1.4	320	54000	.3	21.0	KCL MUD
900617	17 1/2"	2621.0	1.45	26.0	9.0	2/9	8.7	.1/1.4	320	54000	.3	21.0	KCL MUD
900618	12 1/4"	2621.0	1.46	29.0	12.0	3/14	8.4	.0/1.4	140	50000	.3	21.0	KCL MUD
900619	12 1/4"	2771.0	1.46	27.0	12.0	4/24	8.3	.0/1.9	280	55000	.3	60.0	KCL MUD
900620	12 1/4"	2839.0	1.45	28.0	15.0	4/24	8.2	1.6	280	57000	.3	21.0	KCL MUD
900621	12 1/4"	2900.0	1.45	27.0	13.0	3/15	8.2	1.6	280	57000	.3	21.0	KCL MUD
900622	12 1/4"	2956.0	1.45	34.0	31.0	7/15	8.3	.1/1.6	320	53000	.3	18.0	KCL MUD
900623	12 1/4"	2990.0	1.45	37.0	35.0	8/18	8.2	1.9	320	52000	.3	18.0	KCL MUD
900624	12 1/4"	3057.0	1.45	34.0	36.0	9/19	8.2	1/1.0	320	53000	.3	18.0	KCL MUD
900625	12 1/4"	3153.0	1.45	33.0	32.0	8/18	8.2	1/1.0	380	53000	.3	18.0	KCL MUD
900626	12 1/4"	3236.0	1.45	33.0	31.0	6/9	8.0	1.7	380	50000	.3	17.0	KCL MUD
900627	12 1/4"	3351.0	1.48	31.0	36.0	9/21	8.1	1.7	400	53000	.3	19.0	KCL MUD
900628	12 1/4"	3376.0	1.48	31.0	36.0	9/21	8.1	1.7	400	53000	.3	19.0	KCL MUD
900629	12 1/4"	3404.0	1.48	34.0	37.0	10/22	8.1	1.7	400	53000	.3	19.0	KCL MUD
900630	12 1/4"	3520.0	1.50	34.0	38.0	9/18	8.0	.1/1.9	480	52000	.3	19.0	KCL MUD
900701	12 1/4"	3581.0	1.52	34.0	34.0	9/17	8.0	1.9	520	50000	.3	19.0	KCL MUD
900702	12 1/4"	3639.0	1.52	33.0	31.0	9/19	8.0	1/1.1	560	51000	.3	20.0	KCL MUD
900703	12 1/4"	3639.0	1.52	35.0	39.0	9/18	7.8	1.9	560	48000	.3	20.0	KCL MUD

111

900704	12 1/4"	3639.0	1.52	35.0	36.0	9/17	7.2	/1.1	680	47000	.3	20.0	KCL MUD
900705	12 1/4"	3678.0	1.54	34.0	36.0	7/15	8.1	/1.1	520	47000	.3	20.0	KCL MUD
900706	12 1/4"	3678.0	1.54	37.0	36.0	8/17	8.0	/1.1	560	47000	.3	21.0	KCL MUD
900707	12 1/4"	3729.0	1.54	39.0	37.0	7/17	8.1	/1.4	600	48000	.3	21.0	KCL MUD
900708	12 1/4"	3754.0	1.54	36.0	35.0	7/18	7.8	/1.7	400	49000	.3	21.0	KCL MUD
900709	12 1/4"	3789.0	1.58	40.0	38.0	8/18	8.3	/1.7	440	48000	.3	22.0	KCL MUD
900710	12 1/4"	3827.0	1.58	35.0	31.0	7/23	8.1	/1.9	400	48000	.3	22.0	KCL MUD
900711	12 1/4"	3835.0	1.58	33.0	30.0	7/23	8.7	.1/2.3	368	49000		22.0	KCL MUD
900712	12 1/4"	3874.0	1.58	33.0	31.0	8/26	9.1	.2/2.1	320	49000		22.0	KCL MUD
900713	12 1/4"	3892.0	1.58	31.0	25.0	7/28	9.3	.1/2.0	260	47000		22.0	KCL MUD

Well: 34/7-15S

Date	Hole size	Hole depth	Mud weight	PV	YP	Gel strength	pH	Alkalinity Pf /Mf	Ca++ mg/l	Cl- mg/l	Sand %	Solids %	Mudtype
900714	12 1/4"	3922.0	1.58	33.0	29.0	8/33	9.3	.1/3.0	300	48000		22.0	KCL MUD
900715	12 1/4"	3936.0	1.58	35.0	30.0	8/35	10.0	.2/2.5	600	50000		22.0	KCL MUD
900716	12 1/4"	3936.0	1.58	35.0	29.0	8/32	9.8	.2/2.3	600	50000		22.0	KCL MUD
900717	12 1/4"	3936.0	1.58	36.0	32.0	8/33	9.9	.3/2.2	620	50000		22.0	KCL MUD
900718	12 1/4"	3936.0	1.58	34.0	34.0	8/33	9.3	.2/2.7	620	50000		22.0	KCL MUD
900719	12 1/4"	3936.0	1.58	36.0	33.0	8/32	10.1	.3/2.4	580	50000		22.0	KCL MUD
900720	12 1/4"	3936.0	1.58	36.0	34.0	8/35	9.8	.3/2.7	580	50000		22.0	KCL MUD
900721	8 1/2"	3936.0	1.58	31.0	22.0	8/32	9.8	.3/2.3	580	50000		22.0	KCL MUD
900722	8 1/2"	3936.0	1.58	30.0	22.0	11/40	10.5	.5/2.8	500	50000		22.0	KCL MUD
900723	8 1/2"	3940.0	1.58	27.0	20.0	11/34	10.1	.3/2.6	380	45000		22.0	KCL MUD
900724	8 1/2"	3942.0	1.58	34.0	17.0	9/32	10.2	.3/3.1	380	45000		22.0	KCL MUD
900725	8 1/2"	3982.0	1.58	29.0	27.0	10/38	9.9	.3/3.1	440	40000		22.0	KCL MUD
900726	8 1/2"	4029.0	1.58	32.0	28.0	11/45	9.9	.3/3.1	440	38000		22.0	KCL MUD
900727	8 1/2"	4059.0	1.58	30.0	25.0	11/52	9.9	.3/3.1	440	37000		22.0	KCL MUD
900728	8 1/2"	4092.0	1.58	23.0	18.0	9/37	9.9	.2/3.0	480	31000		21.0	KCL MUD
900729	8 1/2"	4166.0	1.64	23.0	17.0	11/42	10.1	.3/2.9	340	27000		24.0	KCL MUD
900730	8 1/2"	4263.0	1.64	23.0	20.0	11/52	9.8	.3/2.8	500	28000	.1	24.0	KCL MUD
900731	8 1/2"	4293.0	1.68	24.0	18.0	11/47	10.0	.3/2.7	560	27000	.1	25.0	KCL MUD
900801	8 1/2"	4326.0	1.70	23.0	15.0	10/50	10.4	.3/3.0	500	25000	.1	25.0	KCL MUD
900802	8 1/2"	4379.0	1.70	21.0	16.0	11/52	10.6	.4/3.0	640	24000	.1	25.0	KCL MUD
900803	8 1/2"	4401.0	1.72	22.0	13.0	7/43	10.5	.4/2.9	520	24000	.1	26.0	KCL MUD
900804	8 1/2"	4426.0	1.75	22.0	14.0	7/42	10.0	.5/3.1	560	24000	.1	26.0	KCL MUD
900805	8 1/2"	4435.0	1.75	21.0	12.0	7/43	10.0	.3/3.1	540	25000	.1	27.0	KCL MUD
900806	8 1/2"	4442.0	1.75	22.0	15.0	10/39	10.8	.5/3.3	600	26000		27.0	KCL MUD
900807	8 1/2"	4447.0	1.75	22.0	12.0	8/46	10.9	.4/3.0	560	26500		27.0	KCL MUD
900808	8 1/2"	4487.0	1.72	20.0	12.0	8/40	10.6	.4/2.9	600	23000		26.0	KCL MUD
900809	8 1/2"	4487.0	1.72	21.0	12.0	7/42	10.5	.4/2.9	600	25000		27.0	KCL MUD
900810	8 1/2"	4487.0	1.70	28.0	14.0	4/28	10.3	.3/7.7	560	14000		25.0	KCL MUD
900811	8 1/2"	4487.0	1.70	28.0	13.0	3/26	10.2	.3/2.2	500	14000		23.0	KCL MUD
900812	8 1/2"	4487.0	1.70	27.0	13.0	5/30	10.4	.3/2.2	560	14000		25.0	KCL MUD
900813	8 1/2"	4487.0	1.70	27.0	13.0	4/27	10.3	.3/2.2	540	14000		25.0	KCL MUD
900814	8 1/2"	4487.0	1.70	26.0	10.0	3/29	10.1	.3/2.2	540	13000		25.0	KCL MUD
900815	8 1/2"	4487.0	1.70	26.0	9.0	3/27	10.1	.3/2.1	540	13000		25.0	KCL MUD
900816	8 1/2"	4487.0	1.70	24.0	10.0	4/26	9.5	.2/1.8	540	13000		25.0	KCL MUD
900817	8 1/2"	4487.0	1.70	28.0	11.0	4/29	10.6	.5/2.5	380	13000		25.0	KCL MUD
900818	8 1/2"	4487.0	1.70	28.0	11.0	4/29	10.6	.5/2.5	380	13000		25.0	KCL MUD
900819	8 1/2"	4487.0	1.70	28.0	11.0	4/29	10.6	.5/2.5	380	13000		23.0	KCL MUD
900820	5 7/8"	4487.0	1.70	29.0	10.0	4/29	10.6	.4/2.5	340	12000		24.0	KCL MUD
900821	5 7/8"	4487.0	1.70	29.0	15.0	4/29	10.7	.5/2.7	340	12000		24.0	KCL MUD
900822	5 7/8"	4490.0	1.50	23.0	10.0	5/31	9.8	.3/2.3	300	8000		18.0	KCL MUD
900823	5 7/8"	4493.0	1.50	19.0	9.0	4/22	10.2	.3/2.5	300	8000		18.0	KCL MUD

900824	5 7/8"	4536.0	1.50	20.0	10.0	5/28	10.5	.3/2.2	360	8000	18.0	KCL MUD
900825	5 7/8"	4581.0	1.50	19.0	8.0	5/21	10.5	.3/2.2	400	7000	18.0	KCL MUD
900826	5 7/8"	4615.0	1.50	20.0	8.0	5/25	10.5	.3/2.1	400	7000	18.0	KCL MUD
900827	5 7/8"	4644.0	1.50	19.0	9.0	6/29	10.5	.3/2.1	400	6800	18.0	KCL MUD
900828	5 7/8"	4646.0	1.50	19.0	9.0	6/27	10.5	.3/2.1	400	6700	18.0	KCL MUD
900829	5 7/8"	4646.0	1.50	19.0	9.0	6/27	10.5	.3/2.1	400	6700	18.0	KCL MUD
900830	5 7/8"	4646.0	1.50	19.0	11.0	7/35	11.0	.5/1.8	600	6700	18.0	KCL MUD
900831	5 7/8"	4646.0	1.50	20.0	11.0	7/37	11.2	.6/1.7	640	6800	18.0	KCL MUD
900901	5 7/8"	4646.0	1.50	21.0	8.0	7/35	10.7	.5/2.3	600	6900	18.0	KCL MUD
900902		4646.0	1.50	21.0	8.0	7/35	10.7	.5/2.3	600	6900	18.0	KCL MUD

Well : 34/7-15S

Materials	Unit	36" Hole	26" Hole	17 1/2" Hole	12 1/4" Hole	Total
ANTISOL FL 3000	25 kg	-	-	36	-	36
BARITE	M/T	18	135	380	655	1188
BENTONITE	M/T	30	46	2	7	85
BICARBONATE	50 kg	-	13	23	2	38
Bachban -biocid	3kg	-	-	-	18	18
CACL2	25 kg	-	-	-	18	18
CAUSTIC SODA	25 k	6	15	-	40	61
CF DESCO	25 lbs	-	-	-	54	54
Conqor 404	55 gal	-	-	-	2	2
GYP SUM	50 kg	-	-	-	20	20
KCL - brine	bbl	-	-	4413	1089	5502
KCL - sxs	50 kg	-	-	225	380	605
KOH -POTASS. HY	50 kg	-	-	-	20	20
LIME	40 kg	-	-	-	42	42
Lanpec Lv	kg	-	-	18500	10505	29005
Lanpec Reg	kg	-	-	1750	250	2000
Oillex	55 gal	-	-	-	1	1
POT. BICARBONAT	50 kg	-	-	87	29	116
Poly Plus	25 kg	-	-	46	85	131
Polysal	25 kg	-	-	-	198	198
Resinex	50 lbs	-	-	-	405	405
SODA ASH	50 k	2	4	55	-	61
XC-POLYMER	25 kg	-	-	11	16	27
XP-20	50 lbs	-	-	-	404	404
Xanvis	kg	-	-	-	2420	2420
Zinc Carb	kg	-	-	-	300	300



## GEOCHEMICAL ANALYSIS REPORT

well NOCS 34/7-15S

BA91-542-1

14 MARS 1991

REGISTRERT  
OLJEDIREKTORATET

Client : Saga Petroleum A/S

Authors: Malvin Bjorøy  
Rita Løberg  
Ian L. Ferriday  
Sunil BharatiGeolab Nor A/S  
Hornebergveien 5  
7038 Trondheim  
Norway

Date : 06.02.91

**SUMMARY**

Geochemical analyses were performed on rock samples and one formation water sample from well NOCS 34/7-15S as requested by Saga Petroleum A/S.



## INTRODUCTION

Geochemical analyses were performed on material (cuttings, sidewall cores and formation water) from the well NOCS 34/7-15S. The analyses were performed as per the analytical program suggested by Saga Petroleum. In all, 179 cuttings samples, 32 sidewall cores and 1 formation water were geochemically examined. The analytical program was as follows:

Lithology description	179	samples
Headspace/occluded gas analysis	122	"
TOC analysis on LECO carbon analyser	99	"
Whole rock pyrolysis using Rock-Eval	93	"
Extraction, separation and asphaltene precipitation of whole rock samples	25	"
Capillary - gas chromatography of saturated and aromatic hydrocarbon fractions	25	"
Gas chromatography - mass spectrometry	25	"
Isotope analysis (saturated HC, aromatic HC, NSO and asphaltene fractions)	25	"
Vitrinite reflectance microscopy	39	"
Visual kerogen microscopy	10	"

Tables with details of the samples analysed and with all data acquired for individual geochemical analysis are included in Appendix 1. Reflectance histograms are found in Appendix 2. Saturated and aromatic hydrocarbon gas chromato-

grams are found in Appendix 3. Appendix 4 includes gas chromatography - mass spectrometry fragmentograms. Isotope data from the Institutt for Energiteknikk are found in Table 9.

- 1-

 Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas  
 ( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

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
1000.00	1271	2	-	-	-	-	1273	2	0.2	-
1030.00	1078	2	-	-	-	-	1080	2	0.2	-
1060.00	218	-	-	-	-	-	218	-	-	-
1090.00	13	-	-	-	-	-	13	-	-	-
1120.00	28765	18	4	-	-	-	28787	22	0.1	-
1150.00	39307	27	12	1	1	1	39348	41	0.1	1.00
1190.00	26325	24	26	10	3	3	26388	63	0.2	3.33
1220.00	22136	23	23	7	3	2	22192	56	0.3	2.33
1260.00	32025	39	40	9	4	3	32117	92	0.3	2.25
1330.00	805	2	2	-	-	1	809	4	0.5	-
1380.00	15	-	-	-	-	-	15	-	-	-
1420.00	1387	1	-	-	-	3	1388	1	0.1	-
1460.00	26	-	-	-	-	1	26	-	-	-
1510.00	5	-	-	-	1	1	6	1	16.7	-
1540.00	13	-	-	-	-	-	13	-	-	-
1580.00	26	-	-	-	-	-	26	-	-	-
1610.00	14	-	-	-	-	-	14	-	-	-
1640.00	366	2	1	1	1	2	371	5	1.4	1.00
1660.00	328	2	1	1	1	3	333	5	1.5	1.00
1700.00	179	1	1	-	-	1	181	2	1.1	-
1730.00	18	-	-	-	-	-	18	-	-	-
1760.00	477	4	2	3	1	2	487	10	2.1	3.00
1790.00	299	2	1	1	-	1	303	4	1.3	-

- 2-

 Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

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
1820.00	556	2	1	1	-	1	560	4	0.7	-
1850.00	484	3	1	2	-	2	490	6	1.2	-
1890.00	359	2	1	1	-	2	363	4	1.1	-
1930.00	120	2	2	3	1	5	128	8	6.3	3.00
1960.00	504	3	1	2	1	2	511	7	1.4	2.00
1990.00	427	4	2	3	1	3	437	10	2.3	3.00
2020.00	61	-	-	-	-	-	61	-	-	-
2040.00	94	2	2	3	1	4	102	8	7.8	3.00
2070.00	706	5	5	9	4	28	729	23	3.2	2.25
2100.00	708	9	11	18	10	45	756	48	6.4	1.80
2130.00	444	8	11	14	8	32	485	41	8.5	1.75
2160.00	3546	47	49	49	29	95	3720	174	4.7	1.69
2190.00	973	16	18	16	9	24	1032	59	5.7	1.78
2250.00	1170	10	7	4	3	7	1194	24	2.0	1.33
2280.00	654	12	13	10	6	13	695	41	5.9	1.67
2310.00	1737	27	34	27	17	36	1842	105	5.7	1.59
2340.00	756	30	62	61	38	75	947	191	20.2	1.61
2370.00	272	13	30	33	20	40	368	96	26.1	1.65
2400.00	48	3	9	13	7	12	80	32	40.0	1.86
2430.00	14	1	7	11	7	14	40	26	65.0	1.57
2460.00	8	1	3	4	3	6	19	11	57.9	1.33
2480.00	-	-	-	-	-	-	-	-	-	-
2510.00	13	1	6	13	10	41	43	30	69.8	1.30

Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

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
2540.00	313	23	54	53	31	71	474	161	34.0	1.71
2570.00	34	2	3	3	1	2	43	9	20.9	3.00
2600.00	1507	106	235	215	131	264	2194	687	31.3	1.64
2630.00	4	-	-	-	-	5	4	-	-	-
2660.00	1288	59	56	31	21	45	1455	167	11.5	1.48
2690.00	291	21	36	31	20	60	399	108	27.1	1.55
2720.00	63	7	14	15	9	26	108	45	41.7	1.67
2750.00	17	1	4	4	2	2	28	11	39.3	2.00
2780.00	1085	57	71	48	31	136	1292	207	16.0	1.55
2800.00	1494	48	59	47	34	354	1682	188	11.2	1.38
2830.00	693	38	33	17	10	72	791	98	12.4	1.70
2860.00	828	38	31	17	10	71	924	96	10.4	1.70
2890.00	1908	87	62	37	20	93	2114	206	9.7	1.85
2920.00	23	2	4	5	4	18	38	15	39.5	1.25
2950.00	126	18	33	29	16	26	222	96	43.2	1.81
2980.00	8	1	1	1	-	2	11	3	27.3	-
3010.00	1470	125	122	66	34	26	1817	347	19.1	1.94
3040.00	482	59	55	32	17	12	645	163	25.3	1.88
3070.00	2127	227	185	92	40	37	2671	544	20.4	2.30
3100.00	443	83	75	44	27	39	672	229	34.1	1.63
3130.00	2632	318	247	131	71	86	3399	767	22.6	1.85
3160.00	953	66	28	12	7	6	1066	113	10.6	1.71
3190.00	27	32	48	18	12	9	137	110	80.3	1.50

Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

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
3220.00	28	17	18	4	4	4	71	43	60.6	1.00
3250.00	2232	470	221	11	19	14	2953	721	24.4	0.58
3280.00	518	188	130	6	29	71	871	353	40.5	0.21
3310.00	20	7	5	-	-	3	32	12	37.5	-
3340.00	955	115	95	1	8	4	1174	219	18.7	0.13
3370.00	492	65	91	2	17	3	667	175	26.2	0.12
3400.00	1167	360	523	31	115	54	2196	1029	46.9	0.27
3430.00	132	138	350	27	120	46	767	635	82.8	0.22
3460.00	7137	4414	10877	1253	5035	3872	28716	21579	75.2	0.25
3490.00	24	18	205	48	293	643	588	564	95.9	0.16
3520.00	381	233	725	86	361	386	1786	1405	78.7	0.24
3550.00	3989	2794	10810	1396	6024	4622	25013	21024	84.1	0.23
3580.00	6149	2449	7374	1081	5575	6989	22628	16479	72.8	0.19
3609.00	10667	4652	7092	854	3435	3087	26700	16033	60.1	0.25
3640.00	253	137	365	45	208	370	1008	755	74.9	0.22
3667.00	521	319	808	96	509	804	2253	1732	76.9	0.19
3694.00	4139	3638	7835	834	4330	5170	20776	16637	80.1	0.19
3721.00	2934	2148	5120	528	2344	1998	13074	10140	77.6	0.23
3748.00	3058	795	1974	232	1013	674	7072	4014	56.8	0.23
3775.00	53	23	69	7	38	57	190	137	72.1	0.18
3802.00	1038	434	664	63	237	30	2436	1398	57.4	0.27
3829.00	9701	4409	7030	677	2385	261	24202	14501	59.9	0.28
3856.00	3244	1503	2409	256	993	204	8405	5161	61.4	0.26

Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas  
 ( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

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
3880.00	4220	2750	9274	1428	5646	4298	23318	19098	81.9	0.25
3907.00	833	1474	4312	640	2423	2866	9682	8849	91.4	0.26
3934.00	17	7	10	1	2	2	37	20	54.1	0.50
3963.00	97	46	78	10	28	34	259	162	62.6	0.36
3990.00	1522	719	902	134	432	793	3709	2187	59.0	0.31
4017.00	1294	619	779	131	413	740	3236	1942	60.0	0.32
4044.00	1505	707	1220	240	934	1705	4606	3101	67.3	0.26
4071.00	891	455	991	187	867	1728	3391	2500	73.7	0.22
4098.00	839	320	719	216	1061	3971	3155	2316	73.4	0.20
4125.00	616	231	519	127	620	2401	2113	1497	70.9	0.20
4152.00	241	130	229	37	179	480	816	575	70.5	0.21
4179.00	363	314	585	98	477	1263	1837	1474	80.2	0.21
4206.00	578	262	332	54	236	604	1462	884	60.5	0.23
4233.00	1575	644	754	139	556	1317	3668	2093	57.1	0.25
4260.00	2003	898	1087	216	841	2069	5045	3042	60.3	0.26
4287.00	617	222	445	107	458	1611	1849	1232	66.6	0.23
4314.00	487	12	330	52	187	395	1068	581	54.4	0.28
4341.00	488	178	247	46	168	408	1127	639	56.7	0.27
4359.00	1054	407	459	68	215	488	2203	1149	52.2	0.32
4377.00	518	225	256	37	118	297	1154	636	55.1	0.31
4401.00	548	248	292	39	153	578	1280	732	57.2	0.25
4425.00	14197	3372	7477	1557	6742	12505	33345	19148	57.4	0.23
4452.00	456	174	286	51	186	374	1153	697	60.5	0.27

Table 1a: C1 to C7 hydrocarbons in HEADSPACE gas  
( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

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
4479.00	956	329	579	87	308	457	2259	1303	57.7	0.28
4497.00	12600	738	210	17	58	94	13623	1023	7.5	0.29
4524.00	2297	905	2744	523	2194	3963	8663	6366	73.5	0.24
4551.00	102	41	88	15	92	500	338	236	69.8	0.16
4578.00	195	138	381	78	310	518	1102	907	82.3	0.25
4605.00	36	19	33	6	27	137	121	85	70.3	0.22
4632.00	9	4	7	1	6	42	27	18	66.7	0.17



- 1-

 Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas  
 ( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 nC4
1000.00	212	9	3	-	1	2	225	13	5.8	-
1030.00	141	8	3	-	1	4	153	12	7.8	-
1060.00	128	6	2	-	1	3	137	9	6.6	-
1090.00	349	35	14	1	6	12	405	56	13.8	0.17
1120.00	191	14	6	-	2	4	213	22	10.3	-
1150.00	349	24	10	1	4	12	388	39	10.1	0.25
1190.00	165	13	6	1	2	4	187	22	11.8	0.50
1220.00	214	17	8	2	4	6	245	31	12.7	0.50
1260.00	160	15	7	1	3	5	186	26	14.0	0.33
1330.00	130	13	6	1	2	4	152	22	14.5	0.50
1380.00	99	11	5	-	2	3	117	18	15.4	-
1420.00	51	6	2	-	1	7	60	9	15.0	-
1460.00	44	7	2	-	1	1	54	10	18.5	-
1510.00	87	14	5	1	2	21	109	22	20.2	0.50
1540.00	32	4	1	-	1	-	38	6	15.8	-
1580.00	44	5	2	-	1	6	52	8	15.4	-
1610.00	29	4	1	-	1	1	35	6	17.1	-
1640.00	35	4	1	-	1	8	41	6	14.6	-
1660.00	25	3	1	-	-	1	29	4	13.8	-
1700.00	40	5	2	-	1	1	48	8	16.7	-
1730.00	35	5	2	-	1	2	43	8	18.6	-
1760.00	32	4	2	2	1	4	41	9	22.0	2.00
1790.00	42	5	2	-	1	3	50	8	16.0	-

- 2-

 Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m \* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
1820.00	-	-	-	-	-	-	-	-	-	-
1850.00	73	8	3	-	2	3	86	13	15.1	-
1890.00	61	6	2	-	1	6	70	9	12.9	-
1930.00	52	5	2	-	1	1	60	8	13.3	-
1960.00	66	7	3	1	1	2	78	12	15.4	1.00
1990.00	86	12	5	1	2	14	106	20	18.9	0.50
2020.00	65	10	4	1	2	11	82	17	20.7	0.50
2040.00	65	8	3	-	1	12	77	12	15.6	-
2070.00	45	5	2	-	1	5	53	8	15.1	-
2100.00	61	5	2	-	1	8	69	8	11.6	-
2130.00	64	7	3	1	1	10	76	12	15.8	1.00
2160.00	68	8	3	1	2	14	82	14	17.1	0.50
2190.00	47	5	3	1	2	14	58	11	19.0	0.50
2250.00	72	8	3	1	1	17	85	13	15.3	1.00
2280.00	69	7	3	2	2	21	83	14	16.9	1.00
2310.00	66	7	3	2	3	24	81	15	18.5	0.67
2340.00	135	16	6	2	3	34	162	27	16.7	0.67
2370.00	88	9	3	2	2	20	104	16	15.4	1.00
2400.00	79	8	3	3	3	18	96	17	17.7	1.00
2430.00	106	10	4	2	3	19	125	19	15.2	0.67
2460.00	145	15	8	7	8	40	183	38	20.8	0.88
2480.00	121	10	9	10	11	43	161	40	24.8	0.91
2510.00	239	20	8	6	8	70	281	42	15.0	0.75

Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas  
 ( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m \* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
2540.00	106	9	8	9	9	47	141	35	24.8	1.00
2570.00	125	12	14	8	15	73	174	49	28.2	0.53
2600.00	199	19	20	23	27	129	288	89	30.9	0.85
2630.00	70	3	1	-	1	28	75	5	6.7	-
2660.00	139	18	41	35	37	134	270	131	48.5	0.95
2690.00	32	5	9	11	12	54	69	37	53.6	0.92
2720.00	37	6	10	11	12	53	76	39	51.3	0.92
2750.00	32	5	5	5	7	51	54	22	40.7	0.71
2780.00	39	6	4	2	3	40	54	15	27.8	0.67
2800.00	33	5	3	1	2	45	44	11	25.0	0.50
2830.00	30	4	2	1	1	54	38	8	21.1	1.00
2860.00	40	6	4	2	3	54	55	15	27.3	0.67
2890.00	46	8	9	4	5	78	72	26	36.1	0.80
2920.00	38	5	6	3	5	35	57	19	33.3	0.60
2950.00	32	6	7	4	5	51	54	22	40.7	0.80
2980.00	48	8	8	3	4	41	71	23	32.4	0.75
3010.00	32	5	4	1	2	31	44	12	27.3	0.50
3040.00	42	7	7	2	4	23	62	20	32.3	0.50
3070.00	30	7	9	3	5	16	54	24	44.4	0.60
3100.00	45	11	12	5	7	28	80	35	43.8	0.71
3130.00	39	7	6	3	5	27	60	21	35.0	0.60
3160.00	41	9	6	2	3	19	61	20	32.8	0.67
3190.00	48	8	10	3	6	29	75	27	36.0	0.50

- 4 -

 Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
3220.00	35	7	7	1	3	17	53	18	34.0	0.33
3250.00	38	10	11	1	3	22	63	25	39.7	0.33
3280.00	36	11	14	1	5	30	67	31	46.3	0.20
3310.00	45	21	31	1	5	19	103	58	56.3	0.20
3340.00	40	8	11	1	3	17	63	23	36.5	0.33
3370.00	35	7	8	-	3	12	53	18	34.0	-
3400.00	28	46	255	18	135	60	482	454	94.2	0.13
3430.00	33	13	120	16	121	94	303	270	89.1	0.13
3460.00	102	330	2012	702	3105	5743	6251	6149	98.4	0.23
3490.00	92	110	1880	852	3876	9379	6810	6718	98.7	0.22
3520.00	168	610	2874	1219	4519	7694	9390	9222	98.2	0.27
3550.00	112	289	2235	850	3781	6683	7267	7155	98.5	0.22
3580.00	133	219	1598	506	2748	4824	5204	5071	97.4	0.18
3609.00	188	746	2017	618	2867	4858	6436	6248	97.1	0.22
3640.00	235	561	2379	774	3630	6514	7579	7344	96.9	0.21
3667.00	438	1071	3114	1770	6498	11202	12891	12453	96.6	0.27
3694.00	268	542	3476	660	3462	4280	8408	8140	96.8	0.19
3721.00	709	1079	8664	1678	8812	9010	20942	20233	96.6	0.19
3748.00	3932	2215	6871	1136	5645	5826	19799	15867	80.1	0.20
3775.00	5839	3713	11329	1481	6771	5211	29133	23294	80.0	0.22
3802.00	2195	1971	6807	935	3842	3064	15750	13555	86.1	0.24
3829.00	2188	1713	5858	930	3831	3588	14520	12332	84.9	0.24
3856.00	1622	2522	9652	1654	6378	5690	21828	20206	92.6	0.26

- 5-

 Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
3880.00	1096	2329	8058	1300	4731	4266	17514	16418	93.7	0.27
3907.00	566	971	1557	155	522	724	3771	3205	85.0	0.30
3934.00	592	580	1038	120	484	1189	2814	2222	79.0	0.25
3963.00	444	353	959	115	546	850	2417	1973	81.6	0.21
3990.00	426	124	297	76	416	1644	1339	913	68.2	0.18
4017.00	665	249	568	143	755	2248	2380	1715	72.1	0.19
4044.00	450	198	411	101	581	2070	1741	1291	74.2	0.17
4071.00	449	442	913	162	887	2464	2853	2404	84.3	0.18
4098.00	617	223	626	186	1066	3078	2718	2101	77.3	0.17
4125.00	348	209	1182	273	1548	2657	3560	3212	90.2	0.18
4152.00	507	492	2221	514	2646	4338	6380	5873	92.1	0.19
4179.00	702	1565	6045	1037	4837	5356	14186	13484	95.1	0.21
4206.00	833	348	913	208	1146	2567	3448	2615	75.8	0.18
4233.00	1219	449	990	223	1116	3114	3997	2778	69.5	0.20
4260.00	1309	555	976	186	851	2386	3877	2568	66.2	0.22
4287.00	1740	560	1132	232	1191	2842	4855	3115	64.2	0.19
4314.00	3275	798	1572	293	1443	2614	7381	4106	55.6	0.20
4341.00	1942	657	1091	144	555	695	4389	2447	55.8	0.26
4359.00	1447	667	1112	130	494	627	3850	2403	62.4	0.26
4377.00	3126	997	1825	224	828	863	7000	3874	55.3	0.27
4401.00	1878	855	1862	384	1538	2214	6517	4639	71.2	0.25
4425.00	1695	148	46	3	14	79	1906	211	11.1	0.21
4452.00	174	302	1148	222	934	1521	2780	2606	93.7	0.24

Table 1b: C1 to C7 hydrocarbons in CUTTINGS gas  
 ( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
4479.00	870	938	1831	376	1483	1796	5498	4628	84.2	0.25
4497.00	124	178	489	86	365	528	1242	1118	90.0	0.24
4524.00	240	147	346	6	27	493	766	526	68.7	0.22
4551.00	585	216	113	9	41	154	964	379	39.3	0.22
4578.00	1254	352	243	19	124	341	1992	738	37.1	0.15
4605.00	833	196	165	22	114	549	1330	497	37.4	0.19
4632.00	3503	423	170	17	73	249	4186	683	16.3	0.23

- 1-

 Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas  
 ( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m \* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
1000.00	1483	11	3	-	1	2	1498	15	1.0	-
1030.00	1219	10	3	-	1	4	1233	14	1.1	-
1060.00	346	6	2	-	1	3	355	9	2.5	-
1090.00	362	35	14	1	6	12	418	56	13.4	0.17
1120.00	28956	32	10	-	2	4	29000	44	0.2	-
1150.00	39656	51	22	2	5	13	39736	80	0.2	0.40
1190.00	26490	37	32	11	5	7	26575	85	0.3	2.20
1220.00	22350	40	31	9	7	8	22437	87	0.4	1.29
1260.00	32185	54	47	10	7	8	32303	118	0.4	1.43
1330.00	935	15	8	1	2	5	961	26	2.7	0.50
1380.00	114	11	5	-	2	3	132	18	13.6	-
1420.00	1438	7	2	-	1	10	1448	10	0.7	-
1460.00	70	7	2	-	1	2	80	10	12.5	-
1510.00	92	14	5	1	3	22	115	23	20.0	0.33
1540.00	45	4	1	-	1	-	51	6	11.8	-
1580.00	70	5	2	-	1	6	78	8	10.3	-
1610.00	43	4	1	-	1	1	49	6	12.2	-
1640.00	401	6	2	1	2	10	412	11	2.7	0.50
1660.00	353	5	2	1	1	4	362	9	2.5	1.00
1700.00	219	6	3	-	1	2	229	10	4.4	-
1730.00	53	5	2	-	1	2	61	8	13.1	-
1760.00	509	8	4	5	2	6	528	19	3.6	2.50

Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
1790.00	341	7	3	1	1	4	353	12	3.4	1.00
1820.00	556	2	1	1	-	1	560	4	0.7	-
1850.00	557	11	4	2	2	5	576	19	3.3	1.00
1890.00	420	8	3	1	1	8	433	13	3.0	1.00
1930.00	172	7	4	3	2	6	188	16	8.5	1.50
1960.00	570	10	4	3	2	4	589	19	3.2	1.50
1990.00	513	16	7	4	3	17	543	30	5.5	1.33
2020.00	126	10	4	1	2	11	143	17	11.9	0.50
2040.00	159	10	5	3	2	16	179	20	11.2	1.50
2070.00	751	10	7	9	5	33	782	31	4.0	1.80
2100.00	769	14	13	18	11	53	825	56	6.8	1.64
2130.00	508	15	14	15	9	42	561	53	9.5	1.67
2160.00	3614	55	52	50	31	109	3802	188	4.9	1.61
2190.00	1020	21	21	17	11	38	1090	70	6.4	1.55
2250.00	1242	18	10	5	4	24	1279	37	2.9	1.25
2280.00	723	19	16	12	8	34	778	55	7.1	1.50
2310.00	1803	34	37	29	20	60	1923	120	6.2	1.45
2340.00	891	46	68	63	41	109	1109	218	19.7	1.54
2370.00	360	22	33	35	22	60	472	112	23.7	1.59
2400.00	127	11	12	16	10	30	176	49	27.8	1.60
2430.00	120	11	11	13	10	33	165	45	27.3	1.30
2460.00	153	16	11	11	11	46	202	49	24.3	1.00



Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
2480.00	121	10	9	10	11	43	161	40	24.8	0.91
2510.00	252	21	14	19	18	111	324	72	22.2	1.06
2540.00	419	32	62	62	40	118	615	196	31.9	1.55
2570.00	159	14	17	11	16	75	217	58	26.7	0.69
2600.00	1706	125	255	238	158	393	2482	776	31.3	1.51
2630.00	74	3	1	-	1	33	79	5	6.3	-
2660.00	1427	77	97	66	58	179	1725	298	17.3	1.14
2690.00	323	26	45	42	32	114	468	145	31.0	1.31
2720.00	100	13	24	26	21	79	184	84	45.7	1.24
2750.00	49	6	9	9	9	53	82	33	40.2	1.00
2780.00	1124	63	75	50	34	176	1346	222	16.5	1.47
2800.00	1527	53	62	48	36	399	1726	199	11.5	1.33
2830.00	723	42	35	18	11	126	829	106	12.8	1.64
2860.00	868	44	35	19	13	125	979	111	11.3	1.46
2890.00	1954	95	71	41	25	171	2186	232	10.6	1.64
2920.00	61	7	10	8	9	53	95	34	35.8	0.89
2950.00	158	24	40	33	21	77	276	118	42.8	1.57
2980.00	56	9	9	4	4	43	82	26	31.7	1.00
3010.00	1502	130	126	67	36	57	1861	359	19.3	1.86
3040.00	524	66	62	34	21	35	707	183	25.9	1.62
3070.00	2157	234	194	95	45	53	2725	568	20.8	2.11
3100.00	488	94	87	49	34	67	752	264	35.1	1.44

Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas  
( $\mu$ l gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
3130.00	2671	325	253	134	76	113	3459	788	22.8	1.76
3160.00	994	75	34	14	10	25	1127	133	11.8	1.40
3190.00	75	40	58	21	18	38	212	137	64.6	1.17
3220.00	63	24	25	5	7	21	124	61	49.2	0.71
3250.00	2270	480	232	12	22	36	3016	746	24.7	0.55
3280.00	554	199	144	7	34	101	938	384	40.9	0.21
3310.00	65	28	36	1	5	22	135	70	51.9	0.20
3340.00	995	123	106	2	11	21	1237	242	19.6	0.18
3370.00	527	72	99	2	20	15	720	193	26.8	0.10
3400.00	1195	406	778	49	250	114	2678	1483	55.4	0.20
3430.00	165	151	470	43	241	140	1070	905	84.6	0.18
3460.00	7239	4744	12889	1955	8140	9615	34967	27728	79.3	0.24
3490.00	116	128	2085	900	4169	10022	7398	7282	98.4	0.22
3520.00	549	843	3599	1305	4880	8080	11176	10627	95.1	0.27
3550.00	4101	3083	13045	2246	9805	11305	32280	28179	87.3	0.23
3580.00	6282	2668	8972	1587	8323	11813	27832	21550	77.4	0.19
3609.00	10855	5398	9109	1472	6302	7945	33136	22281	67.2	0.23
3640.00	488	698	2744	819	3838	6884	8587	8099	94.3	0.21
3667.00	959	1390	3922	1866	7007	12006	15144	14185	93.7	0.27
3694.00	4407	4180	11311	1494	7792	9450	29184	24777	84.9	0.19
3721.00	3643	3227	13784	2206	11156	11008	34016	30373	89.3	0.20
3748.00	6990	3010	8845	1368	6658	6500	26871	19881	74.0	0.21

Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
3775.00	5892	3736	11398	1488	6809	5268	29323	23431	79.9	0.22
3802.00	3233	2405	7471	998	4079	3094	18186	14953	82.2	0.24
3829.00	11889	6122	12888	1607	6216	3849	38722	26833	69.3	0.26
3856.00	4866	4025	12061	1910	7371	5894	30233	25367	83.9	0.26
3880.00	5316	5079	17332	2728	10377	8564	40832	35516	87.0	0.26
3907.00	1399	2445	5869	795	2945	3590	13453	12054	89.6	0.27
3934.00	609	587	1048	121	486	1191	2851	2242	78.6	0.25
3963.00	541	399	1037	125	574	884	2676	2135	79.8	0.22
3990.00	1948	843	1199	210	848	2437	5048	3100	61.4	0.25
4017.00	1959	868	1347	274	1168	2988	5616	3657	65.1	0.23
4044.00	1955	905	1631	341	1515	3775	6347	4392	69.2	0.23
4071.00	1340	897	1904	349	1754	4192	6244	4904	78.5	0.20
4098.00	1456	543	1345	402	2127	7049	5873	4417	75.2	0.19
4125.00	964	440	1701	400	2168	5058	5673	4709	83.0	0.18
4152.00	748	622	2450	551	2825	4818	7196	6448	89.6	0.20
4179.00	1065	1879	6630	1135	5314	6619	16023	14958	93.4	0.21
4206.00	1411	610	1245	262	1382	3171	4910	3499	71.3	0.19
4233.00	2794	1093	1744	362	1672	4431	7665	4871	63.6	0.22
4260.00	3312	1453	2063	402	1692	4455	8922	5610	62.9	0.24
4287.00	2357	782	1577	339	1649	4453	6704	4347	64.8	0.21
4314.00	3762	810	1902	345	1630	3009	8449	4687	55.5	0.21
4341.00	2430	835	1338	190	723	1103	5516	3086	56.0	0.26

Table 1c: C1 to C7 hydrocarbons in HEADSPACE and CUTTINGS gas  
 ( $\mu\text{l}$  gas/kg rock)

Project: NOCS 34/7-15S

Well: NOCS 34/7-15S

Depth unit of measure: m

\* Indicated values in ml gas/kg source rock

Depth	C1	C2	C3	iC4	nC4	C5+	sum C1-C4	sum C2-C4	%wet ness	iC4 --- nC4
4359.00	2501	1074	1571	198	709	1115	6053	3552	58.7	0.28
4377.00	3644	1222	2081	261	946	1160	8154	4510	55.3	0.28
4401.00	2426	1103	2154	423	1691	2792	7797	5371	68.9	0.25
4425.00	15892	3520	7523	1560	6756	12584	35251	19359	54.9	0.23
4452.00	630	476	1434	273	1120	1895	3933	3303	84.0	0.24
4479.00	1826	1267	2410	463	1791	2253	7757	5931	76.5	0.26
4497.00	12724	916	699	103	423	622	14865	2141	14.4	0.24
4524.00	2537	1052	3090	529	2221	4456	9429	6892	73.1	0.24
4551.00	687	257	201	24	133	654	1302	615	47.2	0.18
4578.00	1449	490	624	97	434	859	3094	1645	53.2	0.22
4605.00	869	215	198	28	141	686	1451	582	40.1	0.20
4632.00	3512	427	177	18	79	291	4213	701	16.6	0.23

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1000.00						0001
				90 S/Sst : v col, carb, fos, glauc		0001-1L
				10 Sh/Clst: lt ol gy, calc		0001-2L
1030.00						0002
				80 S/Sst : v col, glauc, fos, pyr		0002-1L
				15 Sh/Clst: lt ol gy, calc		0002-2L
				5 Cont : prp		0002-3L
1060.00						0003
				90 S/Sst : w		0003-1L
				10 Sh/Clst: lt bl gy, calc		0003-2L
1090.00						0004
				60 S/Sst : gn, glauc, l		0004-1L
				40 S/Sst : w, l		0004-2L
				tr Sh/Clst: lt gn brn, calc		0004-3L
1120.00						0005
				40 Sh/Clst: gn, glauc		0005-1L
				30 S/Sst : w, l		0005-2L
				30 Sltst : m ol gy, calc		0005-3L
1150.00						0006
				40 Sltst : m ol gy, calc		0006-3L
				30 Sh/Clst: gn, glauc, l		0006-1L
				30 S/Sst : w, l		0006-2L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1190.00						0007
	cvd		90	Sh/Clst: lt ol gy, slt, calc		0007-1L
			10	S/Sst : gn, w, l		0007-2L
1220.00						0008
			100	Sh/Clst: lt ol gy, slt, calc		0008-1L
1260.00						0009
		1.87	100	Sh/Clst: lt ol gy, slt, calc		0009-1L
1330.00						0010
			100	Sh/Clst: lt ol gy, slt, calc		0010-1L
1380.00						0011
	cvd		85	Sh/Clst: drk gn gy		0011-3L
			10	Sltst : w, calc		0011-2L
			5	Sh/Clst: lt ol gy, slt, calc		0011-1L
1420.00						0012
	cvd		85	Sh/Clst: drk gn gy		0012-3L
			10	Sltst : w, calc		0012-2L
			5	Sh/Clst: lt ol gy, slt, calc		0012-1L
1460.00						0013
		0.61	100	Sh/Clst: drk gn gy		0013-2L
				tr Sltst : w, calc		0013-1L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1510.00						0014
			100	Sh/Clst: drk gn gy		0014-1L
			tr	Sh/Clst: m y brn		0014-2L
1540.00						0015
			100	Sh/Clst: drk gn gy		0015-1L
1580.00						0016
			100	Sh/Clst: drk ol gy		0016-1L
1610.00						0017
			100	Sh/Clst: drk ol gy		0017-1L
			tr	Ca	: w	0017-2L
1640.00						0018
			100	Sh/Clst: drk ol gy		0018-1L
			tr	Ca	: w	0018-2L
1660.00						0019
			50	Sh/Clst: drk ol gy		0019-1L
	0.40		50	Sh/Clst: m gn gy		0019-2L
1700.00						0020
			80	Sh/Clst: drk ol gy		0020-1L
			20	Sh/Clst: m gn gy		0020-2L
			tr	Ca	: w	0020-3L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1730.00						0021
			100	Sh/Clst: m drk ol gy		0021-1L
1760.00						0022
			100	Sh/Clst: dsk y brn		0022-1L
1790.00						0023
			50	Sh/Clst: m red brn		0023-2L
			25	Sh/Clst: dsk y brn		0023-1L
			25	Sh/Clst: lt red brn, calc		0023-3L
1820.00						0024
			60	Sltst : m gn gy, calc, cly		0024-4L
			20	Sh/Clst: m red brn		0024-2L
			20	Sh/Clst: lt red brn		0024-3L
			tr	Sh/Clst: dsk y brn		0024-1L
			tr	Ca : w		0024-5L
1850.00						0025
	0.38		95	Sh/Clst: m gn gy		0025-4L
			5	Sltst : m gn gy, calc, cly		0025-2L
			tr	Sh/Clst: dsk y brn		0025-1L
			tr	Ca : w		0025-3L
			tr	Sh/Clst: m red brn		0025-5L
1890.00						0026
			95	Sh/Clst: m lt gn gy		0026-2L
			5	Sltst : m gn gy, calc, cly		0026-1L
			tr	Sh/Clst: m red brn		0026-3L



Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1930.00						0027
				80 Sh/Clst: m lt gn gy		0027-2L
				15 Sh/Clst: lt gn gy		0027-5L
				5 Sltst : m gn gy, calc, cly		0027-1L
				tr Sh/Clst: m red brn		0027-3L
				tr Other : y, pyr		0027-4L
1960.00						0028
				100 Sh/Clst: m lt gn gy, slt		0028-1L
				tr Ca : w		0028-2L
1990.00						0029
				50 Sh/Clst: m ol gy		0029-3L
				45 Sh/Clst: m lt ol gy, calc		0029-2L
				5 Sh/Clst: m lt gn gy, slt		0029-1L
				tr Ca : w		0029-4L
2020.00						0030
				80 Sh/Clst: m ol gy		0030-1L
				20 Sltst : v col, l, pyr, calc, cly		0030-5L
				tr Ca : w		0030-2L
				tr Other : v col, prp		0030-4L
2040.00						0031
	0.45			80 Sh/Clst: m ol gy		0031-1L
				20 Sltst : v col, l, pyr, cly, calc		0031-5L
				tr Ca : w		0031-2L
				tr Other : v col, prp		0031-4L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2070.00						0032
				60 Sh/Clst: m ol gy		0032-1L
				40 Sltst : v col, l, pyr, cly, calc		0032-5L
				tr Ca : w		0032-2L
				tr Other : v col, prp		0032-4L
2100.00						0033
				40 Sh/Clst: m ol gy		0033-1L
				30 S/Sst : lt gy, calc, cly		0033-3L
				30 S/Sst : lt gy, l, calc, cly, pyr		0033-4L
				tr Ca : w		0033-2L
2130.00						0034
				50 Sh/Clst: lt gy, calc		0034-5L
				20 Sh/Clst: m ol gy		0034-1L
				20 S/Sst : lt gy, calc, cly		0034-3L
				10 S/Sst : lt gy, l, calc, cly, pyr, glauc		0034-4L
				tr Ca : w		0034-2L
2160.00						0035
				40 Sh/Clst: m ol gy		0035-1L
				20 S/Sst : lt gy, calc, cly		0035-2L
				20 S/Sst : lt gy, l, calc, cly, pyr, glauc		0035-3L
				20 Sh/Clst: lt gy, calc		0035-4L
2190.00						0036
				50 Sh/Clst: lt gy, calc		0036-4L
				20 Sh/Clst: m ol gy		0036-1L
				20 S/Sst : lt gy, l, calc, cly, pyr, glauc		0036-3L
				10 S/Sst : lt gy, calc, cly		0036-2L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2250.00						0037
		0.55		30 Sh/Clst: m ol gy		0037-1L
				20 S/Sst : lt gy, l, calc, cly, pyr, glauc		0037-3L
				20 Sh/Clst: lt gy, calc		0037-4L
				20 Sh/Clst: dsk red brn, calc		0037-5L
				10 S/Sst : lt gy, calc, cly		0037-2L
2280.00						0038
				35 Sh/Clst: lt gy, calc		0038-4L
				30 Sh/Clst: m ol gy		0038-1L
				30 S/Sst : lt gy, l, calc, cly, pyr, glauc		0038-3L
				5 S/Sst : lt gy, calc, cly		0038-2L
				tr Sh/Clst: dsk red brn, calc		0038-5L
2310.00						0039
				40 Sh/Clst: m ol gy		0039-1L
				40 Sh/Clst: lt gy, calc		0039-4L
				15 S/Sst : lt gy, l, calc, cly, pyr, glauc		0039-3L
				5 S/Sst : lt gy, calc, cly		0039-2L
				tr Sh/Clst: dsk red brn, calc		0039-5L
2340.00						0040
				60 Sh/Clst: lt gy, calc		0040-4L
				25 S/Sst : lt gy, l, calc, cly, pyr, glauc		0040-3L
				10 Sh/Clst: m ol gy		0040-1L
				5 S/Sst : lt gy, calc, cly		0040-2L
2370.00						0041
				50 Sh/Clst: lt gy, calc		0041-3L
				40 Sh/Clst: m ol gy		0041-1L
				10 S/Sst : lt gy, l, calc, cly, pyr, glauc		0041-2L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2400.00						0042
		70	Sh/Clst:	lt gy, calc		0042-3L
		20	Sh/Clst:	m ol gy		0042-1L
		10	S/Sst :	lt gy, l, calc, cly, pyr, glauc		0042-2L
2430.00						0043
		70	Sh/Clst:	lt gy, calc		0043-3L
		20	Sh/Clst:	m ol gy		0043-1L
		10	S/Sst :	lt gy, l, calc, cly, pyr, glauc		0043-2L
2460.00						0044
	0.64	50	Sh/Clst:	m ol gy, lt gy		0044-1L
		40	S/Sst :	lt gy, calc, cly		0044-4L
		10	S/Sst :	lt gy, l, calc, cly, pyr, glauc		0044-2L
2480.00						0045
		40	S/Sst :	lt gy, calc, cly		0045-4L
		25	Sh/Clst:	m ol gy		0045-1L
		25	S/Sst :	lt gy, l, calc, cly, pyr, glauc		0045-2L
		10	Sh/Clst:	lt gy, calc		0045-3L
2510.00						0046
		40	S/Sst :	lt gy, calc, cly		0046-4L
		25	Sh/Clst:	m ol gy		0046-1L
		25	S/Sst :	lt gy, l, calc, cly, pyr		0046-2L
		10	Sh/Clst:	lt gy, calc		0046-3L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2540.00						0047
				65 Sh/Clst: m ol gy		0047-1L
				20 S/Sst : lt gy, calc, cly		0047-4L
				10 Sh/Clst: lt gy, calc		0047-3L
				5 S/Sst : lt gy, l, calc, cly, pyr		0047-2L
2570.00						0048
				30 Sh/Clst: m ol gy		0048-1L
				30 S/Sst : lt gy, calc, cly		0048-4L
				20 S/Sst : lt gy, l, calc, cly, pyr		0048-2L
				20 Sh/Clst: lt gy, calc		0048-3L
2600.00						0049
				40 S/Sst : lt gy, calc, cly		0049-4L
				30 S/Sst : lt gy, l, calc, cly, pyr		0049-2L
				20 Sh/Clst: lt gy, calc		0049-3L
				10 Sh/Clst: m ol gy		0049-1L
2630.00						0050
				40 S/Sst : lt gy, calc, cly		0050-4L
				20 Sh/Clst: m ol gy		0050-1L
				20 S/Sst : lt gy, l, calc, cly, pyr		0050-2L
				20 Sh/Clst: lt gy, calc		0050-3L
2660.00						0051
				30 Sh/Clst: m ol gy		0051-1L
	0.96			30 Sh/Clst: lt gy, calc		0051-3L
				20 S/Sst : lt gy, l, calc, cly, pyr		0051-2L
				20 S/Sst : lt gy, calc, cly		0051-4L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2690.00						0052	
		90	Sh/Clst:	m drk gy, calc		0052-1L	
		10	S/Sst	: lt gy, calc, cly		0052-3L	
		tr	S/Sst	: lt gy, l, calc, cly, pyr,		0052-2L	
		tr	Ca	: w		0052-4L	
2720.00						0053	
		95	Sh/Clst:	m drk gy, calc		0053-1L	
		5	S/Sst	: lt gy, calc, cly		0053-3L	
		tr	S/Sst	: lt gy, l, calc, cly, pyr		0053-2L	
		tr	Ca	: w		0053-4L	
2750.00						0054	
		100	Sh/Clst:	m drk gy, calc		0054-1L	
		tr	S/Sst	: lt gy, calc, cly		0054-2L	
		tr	Ca	: w		0054-3L	
2780.00						0055	
		100	Sh/Clst:	m drk gy, calc		0055-1L	
		tr	S/Sst	: lt gy, calc, cly		0055-2L	
		tr	Ca	: w		0055-3L	
2800.00						0056	
		90	Sh/Clst:	m drk gy, calc		0056-1L	
		5	S/Sst	: lt gy, calc, cly		0056-2L	
		5	Ca	: w		0056-3L	

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2830.00						0057
			100	Sh/Clst: m drk gy, calc		0057-1L
2860.00						0058
	0.77		100	Sh/Clst: m drk gy, calc		0058-1L
2890.00						0059
			100	Sh/Clst: m drk gy, calc		0059-1L
				tr S/Sst : lt gy, calc, cly		0059-2L
2920.00						0060
			100	Sh/Clst: m drk gy, calc, slt		0060-1L
				tr Ca : w		0060-2L
2920.00						0061
			100	Sh/Clst: m drk gy, calc, slt		0061-1L
				tr Ca : w		0061-2L
2950.00						0062
			100	Sh/Clst: m drk gy, calc, slt		0062-1L
				tr Ca : w		0062-2L
2980.00						0063
			100	Sh/Clst: m drk gy, calc, slt		0063-1L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3010.00						0064
		100	Sh/Clst: m drk gy, calc, slt			0064-1L
3040.00						0065
	0.63	95	Sh/Clst: m drk gy, calc, slt			0065-1L
		5	Ca : w			0065-2L
3070.00						0066
		100	Sh/Clst: m drk gy, calc, slt			0066-1L
3100.00						0067
		100	Sh/Clst: m drk gy, calc, slt			0067-1L
3130.00						0068
		100	Sh/Clst: m drk gy, calc, slt			0068-1L
3160.00						0069
		80	Sh/Clst: m drk gy, calc, slt			0069-1L
		20	Ca : w			0069-2L
		tr	Slst : pl ol gy			0069-3L
3190.00						0070
	0.80	100	Sh/Clst: m drk gy, calc, slt			0070-1L



Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3220.00						0071
			100	Sh/Clst: m drk gy, calc, slt tr Ca : w		0071-1L 0071-2L
3250.00						0072
	0.69		100	Sh/Clst: m drk gy, calc, slt tr Ca : w		0072-1L 0072-2L
3280.00						0073
			100	Sh/Clst: m drk gy, calc, slt tr Ca : w		0073-1L 0073-2L
3310.00						0074
	0.76		100	Sh/Clst: m drk gy, calc, slt tr Ca : w		0074-1L 0074-2L
3340.00						0075
			100	Sh/Clst: m drk gy, calc, slt		0075-1L
3370.00						0076
	0.59		100	Sh/Clst: m drk gy, calc, slt tr Sh/Clst: m gy red, calc		0076-1L 0076-2L
3400.00						0077
			70	Sh/Clst: m drk gy, calc, slt		0077-1L
			20	Sh/Clst: lt gn gy, calc		0077-3L
			10	Sh/Clst: m gy red, calc		0077-2L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3430.00						0078
	0.24	40	Sh/Clst:	m gy red, calc		0078-2L
		40	Ca	: w		0078-3L
		20	Sh/Clst:	m drk gy, calc, slt		0078-1L
3440.00						0124
	1.71	50	Ca	: w		0124-2L
		40	Sh/Clst:	m drk gy, calc		0124-3L
		10	Sh/Clst:	m gy red, calc		0124-1L
3450.00						0125
	3.77	95	Sh/Clst:	brn blk, ol blk		0125-3L
		5	Ca	: w		0125-2L
		tr	Sh/Clst:	m gy red, calc		0125-1L
3460.00						0079
	5.41	75	Sh/Clst:	brn blk to ol blk		0079-1L
		20	Ca	: w		0079-3L
		5	Sh/Clst:	m gy red, calc		0079-2L
3470.00						0126
	5.38	90	Sh/Clst:	brn blk to ol blk		0126-1L
		10	Ca	: w		0126-2L
		tr	Sh/Clst:	m gy red, calc		0126-3L
3480.00						0127
	5.20	90	Sh/Clst:	brn blk to ol blk		0127-1L
		10	Ca	: w		0127-2L
		tr	Sh/Clst:	m gy red, calc		0127-3L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3490.00						0080	
	4.44	95	Sh/Clst: brn blk to ol blk, fis			0080-1L	
		5	Ca : w			0080-3L	
		tr	Sh/Clst: m gy red, calc			0080-2L	
3500.00						0128	
	4.88	95	Sh/Clst: brn blk to ol blk			0128-1L	
		5	Ca : w			0128-2L	
		tr	Sh/Clst: m gy red, calc			0128-3L	
3510.00						0129	
	5.01	95	Sh/Clst: brn blk to ol blk			0129-1L	
		5	Ca : w			0129-2L	
		tr	Sh/Clst: m gy red, calc			0129-3L	
		tr	Cont : prp			0129-4L	
3520.00						0081	
	4.85	95	Sh/Clst: brn blk to ol blk, fis			0081-1L	
		5	Ca : w			0081-3L	
		tr	Sh/Clst: m gy red, calc			0081-2L	
3530.00						0130	
	4.95	90	Sh/Clst: brn blk to ol blk			0130-1L	
		10	Ca : w			0130-2L	
		tr	Sh/Clst: m gy red, calc			0130-3L	
3540.00						0131	
	4.67	95	Sh/Clst: brn blk to ol blk, fis			0131-1L	
		5	Ca : w			0131-2L	
		tr	Sh/Clst: m gy red, calc			0131-3L	

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3550.00						0082	
	4.13	95	Sh/Clst: brn blk to ol blk, fis			0082-1L	
		5	Ca : w			0082-3L	
		tr	Sh/Clst: m gy red, calc			0082-2L	
3560.00						0132	
	4.31	80	Sh/Clst: brn blk to ol blk			0132-1L	
		15	Ca : w			0132-2L	
		5	S/Sst : w to lt gy, f			0132-3L	
		tr	Sh/Clst: m gy red, calc			0132-4L	
3570.00						0133	
	4.51	90	Sh/Clst: brn blk to ol blk, fis			0133-1L	
		5	Ca : w			0133-2L	
		5	S/Sst : w to lt gy, f			0133-3L	
		tr	Sh/Clst: m gy red, calc			0133-4L	
		tr	Cont : prp			0133-5L	
3580.00						0083	
	4.26	90	Sh/Clst: brn blk to ol blk, fis			0083-1L	
		10	Ca : w			0083-3L	
		tr	Sh/Clst: m gy red, calc			0083-2L	
3589.00						0202	
	4.51	90	Sh/Clst: brn blk to ol blk, fis			0202-1L	
		10	S/Sst : w to lt gy, f			0202-2L	
		tr	Ca : w			0202-3L	
		tr	Sh/Clst: m gy red, calc			0202-4L	

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3598.00						0134
	4.49	80	Sh/Clst:	brn blk to ol blk, fis		0134-1L
		10	S/Sst	: w to lt gy, f		0134-2L
		10	Ca	: w		0134-3L
		tr	Sh/Clst:	m gy red, calc		0134-4L
		tr	Cont	: Coal-ad		0134-5L
3609.00						0084
	4.60	90	Sh/Clst:	brn blk to ol blk, fis		0084-1L
		10	Ca	: w		0084-3L
		tr	Sh/Clst:	m gy red, calc		0084-2L
3616.00						0136
	4.64	95	Sh/Clst:	brn blk to ol blk, fis		0136-1L
		5	S/Sst	: w to lt gy, f		0136-2L
		tr	Ca	: w		0136-3L
		tr	Sh/Clst:	m gy red, calc		0136-4L
3625.00						0137
	4.46	85	Sh/Clst:	brn blk to ol blk, fis		0137-1L
		10	S/Sst	: w to lt gy, f		0137-2L
		5	Ca	: w		0137-3L
		tr	Sh/Clst:	m gy red, calc		0137-4L
		tr	Cont	: prp		0137-5L
3640.00						0085
	4.79	90	Sh/Clst:	brn blk, ol blk, fis		0085-1L
		5	Ca	: w		0085-2L
		5	Sltst	: w		0085-3L
		tr	Sh/Clst:	m gy red		0085-4L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3649.00						0138
	3.96	75	Sh/Clst:	brn blk to ol blk, fis		0138-1L
		10	S/Sst	: w to lt gy, f		0138-2L
		10	Sh/Clst:	m gy red		0138-3L
		5	Ca	: w		0138-4L
3658.00						0139
	5.15	90	Sh/Clst:	brn blk to ol blk, fis		0139-1L
		5	S/Sst	: w to lt gy, f		0139-2L
		5	Ca	: w		0139-3L
		tr	Sh/Clst:	m gy red		0139-4L
3667.00						0086
	5.41	95	Sh/Clst:	brn blk, ol blk, fis		0086-1L
		5	Ca	: w, slt		0086-2L
		tr	Sh/Clst:	m gy red, calc		0086-3L
3676.00						0140
	5.77	90	Sh/Clst:	brn blk to ol blk, fis		0140-1L
		5	S/Sst	: w to lt gy, f		0140-2L
		5	Ca	: w, slt		0140-3L
		tr	Sh/Clst:	m gy red		0140-4L
		tr	Cont	: prp		0140-5L
3685.00						0141
	5.70	95	Sh/Clst:	brn blk to ol blk, fis		0141-1L
		5	S/Sst	: w to lt gy, f		0141-2L
		tr	Sh/Clst:	m gy red		0141-3L
		tr	Cont	: prp		0141-4L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
3694.00						0087
	4.96	100	Sh/Clst: brn blk, fis tr Sltst : w, calc			0087-1L 0087-2L
3703.00						0142
	6.15	100	Sh/Clst: brn blk to ol blk, fis tr Sh/Clst: m gy red			0142-1L 0142-2L
3712.00						0143
	5.76	100	Sh/Clst: brn blk to ol blk, fis tr Sh/Clst: m gy red			0143-1L 0143-2L
3721.00						0088
	5.63	100	Sh/Clst: brn blk, fis tr Ca : w			0088-1L 0088-2L
3730.00						0144
	6.39	100	Sh/Clst: brn blk to ol blk, fis tr Sh/Clst: m gy red			0144-1L 0144-2L
3739.00						0145
	6.26	100	Sh/Clst: brn blk to ol blk, fis			0145-1L
3748.00						0089
	6.13	100	Sh/Clst: brn blk, fis			0089-1L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3757.00						0146
	6.30	95		Sh/Clst: brn blk to ol blk, fis		0146-1L
		5		Sh/Clst: m gy red		0146-2L
				tr Cont : prp		0146-3L
3766.00						0147
	6.84	100		Sh/Clst: brn blk, fis		0147-1L
				tr Sh/Clst: m gy red		0147-2L
				tr Cont : prp		0147-3L
3775.00						0090
	7.51	100		Sh/Clst: brn blk, ol blk, fis		0090-1L
3784.00						0148
	7.52	100		Sh/Clst: brn blk, fis		0148-1L
				tr Sh/Clst: m gy red		0148-2L
3793.00						0149
	7.76	100		Sh/Clst: brn blk, fis		0149-1L
				tr Cont : prp		0149-2L
3802.00						0091
	7.08	100		Sh/Clst: brn blk, ol blk, fis		0091-1L
3811.00						0150
	7.35	100		Sh/Clst: brn blk, fis		0150-1L
				tr Cont : prp		0150-2L
				tr Sh/Clst: m gy red		0150-3L



Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3811.00	swc					0212	
		100	Sh/Clst: brn blk, fis			0212-1L	
			tr Cont : prp			0212-2L	
			tr Sh/Clst: m gy red			0212-3L	
3820.00						0151	
	7.83	100	Sh/Clst: brn blk, fis			0151-1L	
			tr Cont : prp			0151-2L	
			tr Sh/Clst: m gy red			0151-3L	
3829.00						0092	
	7.67	95	Sh/Clst: brn blk, ol blk, fis			0092-1L	
		5	Sh/Clst: brn blk, trbofsgs			0092-2L	
			tr Sh/Clst: v col			0092-3L	
3838.00						0152	
	5.74	90	Sh/Clst: brn blk, ol blk, fis			0152-1L	
		5	Sh/Clst: brn blk, trbofsgs			0152-2L	
		5	Sh/Clst: m gy			0152-4L	
			tr Sh/Clst: v col			0152-3L	
3847.00						0153	
	7.86	95	Sh/Clst: brn blk, ol blk, fis			0153-1L	
		5	Sh/Clst: m gy			0153-4L	
			tr Sh/Clst: brn blk, trbofsgs			0153-2L	
			tr Sh/Clst: v col			0153-3L	

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3856.00						0093
	7.85	90	Sh/Clst:	brn blk, ol blk, fis		0093-1L
		5	Sltst	: w, lt gy, calc		0093-4L
		5	Ca	: w		0093-5L
		tr	Sh/Clst:	brn blk, trbofgs		0093-2L
		tr	Sh/Clst:	v col		0093-3L
3874.00						0154
	8.01	50	Sh/Clst:	brn blk, ol blk, fis		0154-1L
		20	Sh/Clst:	v col		0154-2L
		10	Sltst	: w, lt gy, calc		0154-3L
		10	Ca	: w		0154-4L
		10	Sh/Clst:	lt gn gy		0154-5L
3889.00						0155
		40	Sh/Clst:	brn blk, ol blk, fis		0155-1L
		25	Sh/Clst:	v col		0155-2L
	0.52	20	Sh/Clst:	lt gn gy		0155-5L
		5	Sltst	: w, lt gy, calc		0155-3L
		5	Ca	: w		0155-4L
		5	Cont	: cem, prp		0155-6L
3907.00						0095
	5.95	50	Sh/Clst:	brn blk, ol blk, fis		0095-1L
		20	Sh/Clst:	v col		0095-2L
		20	Sh/Clst:	lt gn gy		0095-4L
		5	Sltst	: w, lt gy, calc		0095-3L
		5	Cont	: cem, prp		0095-5L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3925.00						0156
	0.61		40	Sh/Clst: brn blk, ol blk, fis		0156-1L
			40	Sh/Clst: pl ol gy, lt gn gy		0156-2L
			10	Sh/Clst: v col		0156-6L
			5	Sltst : w, lt gy, calc		0156-3L
			5	Cont : cem, prp		0156-5L
3943.00						0157
	1.93		85	Cont : lt ol gy, pl y brn, cem, prp		0157-3L
			15	Sh/Clst: brn blk, ol blk, fis		0157-1L
			tr	Sltst : w, lt gy, calc		0157-2L
3963.00						0097
	3.18		50	Cont : lt ol gy, pl y brn, cem, prp		0097-2L
			30	Sh/Clst: brn blk, ol blk, fis		0097-1L
			20	Sh/Clst: brn blk, trbofgs		0097-3L
3981.00						0158
	1.78		50	Sh/Clst: brn blk, ol blk, fis		0158-1L
			15	Sh/Clst: brn blk, trbofgs		0158-3L
			15	Sh/Clst: m lt gy		0158-6L
			10	Other : pl y brn, lt ol gy, cem, calc		0158-4L
			5	Cont : v col, prp		0158-2L
			5	Sh/Clst: v col		0158-5L
3999.00						0159
	2.18		50	Sh/Clst: brn blk, ol blk, fis		0159-1L
			25	Sh/Clst: brn blk, trbofgs		0159-2L
			25	Sh/Clst: lt ol gy, lt y brn		0159-3L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frn	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
4017.00						0099	
	2.28	40	Sh/Clst: brn blk, ol blk, fis			0099-1L	
		40	Sh/Clst: lt ol gy, lt y brn, slt			0099-2L	
		20	Sh/Clst: brn blk, trbofgs			0099-3L	
4035.00						0160	
	5.65	50	Sh/Clst: brn blk, trbofgs			0160-3L	
		30	Sh/Clst: brn blk, ol blk, fis			0160-1L	
		10	Sh/Clst: lt ol gy, lt y brn, slt			0160-2L	
		10	Cont : v col, cem, prp			0160-4L	
4055.00						0161	
	2.28	70	Sh/Clst: lt ol gy, lt y brn, slt			0161-2L	
		15	Sh/Clst: brn blk, ol blk, fis			0161-1L	
		10	Sh/Clst: brn blk, trbofgs			0161-3L	
		5	Cont : v col, cem, prp			0161-4L	
4071.00						0101	
	2.33	90	Sh/Clst: lt ol gy, lt y brn, slt			0101-2L	
		5	Sh/Clst: brn blk, ol blk, fis			0101-1L	
		5	Cont : v col, cem, prp			0101-4L	
		tr	Sh/Clst: brn blk, trbofgs			0101-3L	
4089.00						0162	
	2.32	65	Sh/Clst: brn blk, ol blk, fis			0162-1L	
		15	Sh/Clst: lt ol gy, lt y brn, slt			0162-2L	
		15	Sh/Clst: brn blk, trbofgs			0162-3L	
		5	Cont : v col, cem, prp			0162-4L	

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4107.00						0163
	2.65	50	Sh/Clst:	lt ol gy, lt y brn, slt		0163-2L
		20	Sh/Clst:	brn blk, ol blk, fis		0163-1L
		20	Sh/Clst:	brn blk, trbofgs		0163-3L
		10	Cont	: v col, cem, prp		0163-4L
4125.00						0103
	3.14	70	Sh/Clst:	lt ol gy, lt y brn, slt		0103-2L
		15	Sh/Clst:	brn blk, trbofgs		0103-3L
		5	Sh/Clst:	brn blk, ol blk, fis		0103-1L
		5	Cont	: v col, cem, prp		0103-4L
		5	Other	: v col		0103-5L
4142.00						0164
	4.61	70	Sh/Clst:	m ol gy, lt y brn, slt		0164-2L
		15	Sh/Clst:	brn blk, trbofgs		0164-3L
		5	Sh/Clst:	brn blk, ol blk, fis		0164-1L
		5	Cont	: v col, cem, prp		0164-4L
		5	Other	: v col		0164-5L
4161.00						0165
	3.35	50	Sh/Clst:	brn blk, ol blk, fis		0165-1L
		30	Sh/Clst:	brn blk, trbofgs		0165-2L
		20	Sh/Clst:	lt ol gy, lt y brn		0165-3L
4179.00						0105
	6.83	90	Sh/Clst:	drk ol gy, drk y brn, fis		0105-2L
		10	Sh/Clst:	brn blk, drk ol gy, trbofgs		0105-3L
		tr	Sh/Clst:	brn blk, ol blk, fis		0105-1L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4197.00						0166
	2.07	70	Sh/Clst:	brn blk, drk ol gy, trbofgs		0166-3L
		10	Sh/Clst:	brn blk, ol blk, fis		0166-1L
		10	Sh/Clst:	drk ol gy, drk y brn, fis		0166-2L
		10	Cont	: v col, cem, prp		0166-4L
4215.00						0167
	1.34	70	Sh/Clst:	brn blk, drk ol gy, trbofgs		0167-3L
		20	Sh/Clst:	drk ol gy, drk y brn, fis		0167-2L
		5	Sh/Clst:	brn blk, ol blk, fis		0167-1L
		5	Cont	: v col, cem, prp		0167-4L
4233.00						0107
	2.69	80	Sh/Clst:	brn blk, drk ol gy, trbofgs		0107-3L
		15	Sh/Clst:	brn blk, ol blk, fis		0107-1L
		5	Cont	: v col, cem, prp		0107-4L
		tr	Sh/Clst:	drk ol gy, drk y brn, fis		0107-2L
4251.00						0168
	1.72	90	Sh/Clst:	brn blk, drk ol gy, trbofgs		0168-3L
		10	Sh/Clst:	brn blk, ol blk, fis		0168-1L
		tr	Sh/Clst:	drk ol gy, drk y brn, fis		0168-2L
4269.00						0169
	2.43	40	Sh/Clst:	brn blk, ol blk, fis		0169-1L
		40	Sh/Clst:	brn blk, drk ol gy, trbofgs		0169-3L
		20	Sh/Clst:	drk ol gy, drk y brn, fis		0169-2L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4287.00						0109
	2.28		70	Sh/Clst: brn blk, drk ol gy, trbofgs		0109-3L
			30	Sh/Clst: brn blk, ol blk, fis		0109-1L
			tr	Sh/Clst: drk ol gy, drk y brn, fis		0109-2L
4305.00						0170
	2.71		65	Sh/Clst: brn blk, drk ol gy, trbofgs		0170-3L
			20	Sh/Clst: brn blk, ol blk, fis		0170-1L
			10	Sh/Clst: drk ol gy, drk y brn, fis		0170-2L
			5	Cont : v col, cem, prp		0170-4L
4323.00						0171
	2.96		80	Sh/Clst: brn blk, drk ol gy, trbofgs		0171-3L
			10	Sh/Clst: brn blk, ol blk, fis		0171-1L
			5	Sh/Clst: drk ol gy, drk y brn, fis		0171-2L
			5	Cont : v col, cem, prp		0171-4L
4341.00						0111
	3.60		70	Sh/Clst: drk ol gy, drk y brn, fis		0111-2L
			25	Sh/Clst: brn blk, drk ol gy, trbofgs		0111-3L
			5	Sh/Clst: brn blk, ol blk, fis		0111-1L
			tr	Cont : v col, cem, prp		0111-4L
4359.00						0112
	3.35		80	Sh/Clst: drk ol gy, drk y brn, fis		0112-2L
			20	Sh/Clst: brn blk, drk ol gy, trbofgs		0112-3L
			tr	Sh/Clst: brn blk, ol blk, fis		0112-1L
			tr	Cont : v col, prp		0112-4L

Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4401.00						0114
	2.22	80	Sh/Clst:	brn blk, ol blk		0114-1L
	0.31	15	S/Sst	: w		0114-4L
		5	Cont	: v col, prp		0114-3L
		tr	Sh/Clst:	brn blk, drk ol gy, trbofgs		0114-2L
4434.00						0172
	1.94	70	Sh/Clst:	brn blk, ol blk		0172-1L
		20	Sh/Clst:	brn blk, drk ol gy, trbofgs		0172-2L
		5	S/Sst	: w		0172-4L
		5	Sh/Clst:	m lt gy		0172-5L
		tr	Cont	: v col, prp		0172-3L
4470.00						0173
	64.50	30	Coal	: blk		0173-3L
	0.32	30	S/Sst	: w		0173-4L
		20	Sh/Clst:	brn blk, ol blk		0173-1L
		20	Cont	: v col, prp		0173-2L
4506.00						0174
	0.83	80	Ca	: dsk y brn, dol, s, fe		0174-3L
		15	S/Sst	: w		0174-2L
		5	Coal	: blk		0174-1L
4542.00						0175
	0.96	100	Other	: dsk y brn, prp, dd		0175-1L
		tr	S/Sst	: w		0175-2L



Table 2 : Lithology description for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Type	Grp	Prm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
4569.00						0176	
	1.08	100	Other	: dsk y brn, prp, dd		0176-1L	
			tr S/Sst	: w		0176-2L	
			tr Coal	: blk		0176-3L	
4587.00						0177	
	1.88	100	Sh/Clst: brn blk, ol blk, trbofgs			0177-1L	
4605.00						0122	
		100	Sh/Clst: brn blk, ol blk, trbofgs			0122-1L	
4623.00						0178	
	2.05	100	Sh/Clst: brn blk, ol blk, trbofgs			0178-1L	
4641.00						0179	
	1.39	100	Sh/Clst: brn blk, ol blk, trbofgs			0179-1L	

Table 3 : Rock-Eval table for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1260.00	cut	Sh/Clst: lt ol gy	0.76	4.55	2.13	2.14	1.87	243	114	5.3	0.14	409	0009-1L
1460.00	cut	Sh/Clst: drk gn gy	0.03	0.39	0.91	0.43	0.61	64	149	0.4	0.07	415	0013-2L
2250.00	cut	Sh/Clst: lt gy	0.01	0.19	0.81	0.23	0.55	35	147	0.2	0.05	427	0037-4L
2460.00	cut	Sh/Clst: m ol gy, lt gy	0.02	0.23	0.44	0.52	0.64	36	69	0.3	0.08	425	0044-1L
2660.00	cut	Sh/Clst: lt gy	0.05	0.95	0.38	2.50	0.96	99	40	1.0	0.05	434	0051-3L
2860.00	cut	Sh/Clst: m drk gy	0.18	0.40	0.59	0.68	0.77	52	77	0.6	0.31	430	0058-1L
3040.00	cut	Sh/Clst: m drk gy	0.08	0.17	0.50	0.34	0.63	27	79	0.3	0.32	431	0065-1L
3190.00	cut	Sh/Clst: m drk gy	0.10	0.34	0.56	0.61	0.80	43	70	0.4	0.23	431	0070-1L
3250.00	cut	Sh/Clst: m drk gy	0.08	0.22	0.60	0.37	0.69	32	87	0.3	0.27	433	0072-1L
3310.00	cut	Sh/Clst: m drk gy	0.11	0.22	0.52	0.42	0.76	29	68	0.3	0.33	433	0074-1L
3370.00	cut	Sh/Clst: m drk gy	0.12	0.22	0.93	0.24	0.59	37	158	0.3	0.35	401	0076-1L
3440.00	cut	Sh/Clst: m drk gy	0.31	1.89	0.69	2.74	1.71	111	40	2.2	0.14	442	0124-3L
3450.00	cut	Sh/Clst: brn blk, ol blk	1.95	14.89	0.64	23.27	3.77	395	17	16.8	0.12	436	0125-3L
3460.00	cut	Sh/Clst: brn blk to ol blk	2.59	25.63	0.99	25.89	5.41	474	18	28.2	0.09	438	0079-1L
3470.00	cut	Sh/Clst: brn blk to ol blk	3.05	24.68	0.84	29.38	5.38	459	16	27.7	0.11	438	0126-1L

Table 3 : Rock-Eval table for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3480.00	cut	Sh/Clst: brn blk to ol blk	3.10	24.68	0.60	41.13	5.20	475	12	27.8	0.11	437	0127-1L
3490.00	cut	Sh/Clst: brn blk to ol blk	2.66	19.56	0.63	31.05	4.44	441	14	22.2	0.12	434	0080-1L
3500.00	cut	Sh/Clst: brn blk to ol blk	3.09	23.34	0.70	33.34	4.88	478	14	26.4	0.12	436	0128-1L
3510.00	cut	Sh/Clst: brn blk to ol blk	3.06	24.36	0.62	39.29	5.01	486	12	27.4	0.11	436	0129-1L
3520.00	cut	Sh/Clst: brn blk to ol blk	2.89	23.23	0.63	36.87	4.85	479	13	26.1	0.11	438	0081-1L
3530.00	cut	Sh/Clst: brn blk to ol blk	2.66	23.10	0.49	47.14	4.95	467	10	25.8	0.10	439	0130-1L
3540.00	cut	Sh/Clst: brn blk to ol blk	2.70	18.88	0.74	25.51	4.67	404	16	21.6	0.13	434	0131-1L
3550.00	cut	Sh/Clst: brn blk to ol blk	2.45	16.06	0.70	22.94	4.13	389	17	18.5	0.13	434	0082-1L
3560.00	cut	Sh/Clst: brn blk to ol blk	2.89	17.37	0.77	22.56	4.31	403	18	20.3	0.14	433	0132-1L
3570.00	cut	Sh/Clst: brn blk to ol blk	2.37	16.50	0.80	20.63	4.51	366	18	18.9	0.13	434	0133-1L
3580.00	cut	Sh/Clst: brn blk to ol blk	2.14	15.04	0.67	22.45	4.26	353	16	17.2	0.12	436	0083-1L
3589.00	cut	Sh/Clst: brn blk to ol blk	2.28	16.22	0.74	21.92	4.51	360	16	18.5	0.12	437	0202-1L
3598.00	cut	Sh/Clst: brn blk to ol blk	2.25	15.41	0.81	19.02	4.49	343	18	17.7	0.13	437	0134-1L
3609.00	cut	Sh/Clst: brn blk to ol blk	1.90	15.61	0.80	19.51	4.60	339	17	17.5	0.11	436	0084-1L
3616.00	cut	Sh/Clst: brn blk to ol blk	2.42	16.70	0.83	20.12	4.64	360	18	19.1	0.13	434	0136-1L

Table 3 : Rock-Eval table for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3625.00	cut	Sh/Clst: brn blk to ol blk	2.42	15.11	0.94	16.07	4.46	339	21	17.5	0.14	436	0137-1L
3640.00	cut	Sh/Clst: brn blk, ol blk	2.60	16.39	0.77	21.29	4.79	342	16	19.0	0.14	434	0085-1L
3649.00	cut	Sh/Clst: brn blk to ol blk	1.82	12.55	0.90	13.94	3.96	317	23	14.4	0.13	439	0138-1L
3658.00	cut	Sh/Clst: brn blk to ol blk	2.89	17.92	0.85	21.08	5.15	348	17	20.8	0.14	439	0139-1L
3667.00	cut	Sh/Clst: brn blk, ol blk	3.54	19.42	0.74	26.24	5.41	359	14	23.0	0.15	436	0086-1L
3676.00	cut	Sh/Clst: brn blk to ol blk	3.40	19.72	0.97	20.33	5.77	342	17	23.1	0.15	436	0140-1L
3685.00	cut	Sh/Clst: brn blk to ol blk	3.53	20.76	0.74	28.05	5.70	364	13	24.3	0.15	439	0141-1L
3694.00	cut	Sh/Clst: brn blk	3.16	18.91	0.61	31.00	4.96	381	12	22.1	0.14	437	0087-1L
3703.00	cut	Sh/Clst: brn blk to ol blk	4.11	22.35	0.62	36.05	6.15	363	10	26.5	0.16	438	0142-1L
3712.00	cut	Sh/Clst: brn blk to ol blk	3.83	20.56	0.70	29.37	5.76	357	12	24.4	0.16	436	0143-1L
3721.00	cut	Sh/Clst: brn blk	3.33	19.69	0.63	31.25	5.63	350	11	23.0	0.14	435	0088-1L
3730.00	cut	Sh/Clst: brn blk to ol blk	4.54	22.86	0.73	31.32	6.39	358	11	27.4	0.17	436	0144-1L
3739.00	cut	Sh/Clst: brn blk to ol blk	4.61	23.54	0.59	39.90	6.26	376	9	28.2	0.16	437	0145-1L
3748.00	cut	Sh/Clst: brn blk	3.85	20.78	0.59	35.22	6.13	339	10	24.6	0.16	438	0089-1L
3757.00	cut	Sh/Clst: brn blk to ol blk	3.85	20.44	0.74	27.62	6.30	324	12	24.3	0.16	435	0146-1L

Table 3 : Rock-Eval table for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3766.00	cut	Sh/Clst: brn blk	4.17	23.52	0.62	37.94	6.84	344	9	27.7	0.15	438	0147-1L
3775.00	cut	Sh/Clst: brn blk, ol blk	4.31	26.06	0.44	59.23	7.51	347	6	30.4	0.14	442	0090-1L
3784.00	cut	Sh/Clst: brn blk	4.55	20.58	0.57	36.11	7.52	274	8	25.1	0.18	437	0148-1L
3793.00	cut	Sh/Clst: brn blk	4.26	20.42	0.49	41.67	7.76	263	6	24.7	0.17	438	0149-1L
3802.00	cut	Sh/Clst: brn blk, ol blk	3.75	19.15	0.35	54.71	7.08	270	5	22.9	0.16	440	0091-1L
3811.00	cut	Sh/Clst: brn blk	3.62	17.60	0.56	31.43	7.35	239	8	21.2	0.17	435	0150-1L
3820.00	cut	Sh/Clst: brn blk	3.81	18.55	0.72	25.76	7.83	237	9	22.4	0.17	438	0151-1L
3829.00	cut	Sh/Clst: brn blk, ol blk	3.51	18.27	0.50	36.54	7.67	238	7	21.8	0.16	441	0092-1L
3838.00	cut	Sh/Clst: brn blk, ol blk	2.82	15.34	0.71	21.61	5.74	267	12	18.2	0.16	443	0152-1L
3847.00	cut	Sh/Clst: brn blk, ol blk	3.30	17.94	0.37	48.49	7.86	228	5	21.2	0.16	441	0153-1L
3856.00	cut	Sh/Clst: brn blk, ol blk	3.84	20.14	0.42	47.95	7.85	257	5	24.0	0.16	430	0093-1L
3874.00	cut	Sh/Clst: brn blk, ol blk	2.71	15.38	1.18	13.03	8.01	192	15	18.1	0.15	444	0154-1L
3889.00	cut	Sh/Clst: lt gn gy	0.01	0.15	0.48	0.31	0.52	29	92	0.2	0.06	433	0155-5L
3907.00	cut	Sh/Clst: brn blk, ol blk	1.00	7.31	0.67	10.91	5.95	123	11	8.3	0.12	446	0095-1L
3925.00	cut	Sh/Clst: pl ol gy, lt gn gy	0.02	0.11	0.44	0.25	0.61	18	72	0.1	0.15	447	0156-2L

Table 3 : Rock-Eval table for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3943.00	cut	Sh/Clst: brn blk, ol blk	0.25	2.15	0.29	7.41	1.93	111	15	2.4	0.10	451	0157-1L
3963.00	cut	Sh/Clst: brn blk, ol blk	0.64	2.66	0.56	4.75	3.18	84	18	3.3	0.19	450	0097-1L
3981.00	cut	Sh/Clst: m lt gy	0.51	1.41	0.54	2.61	1.78	79	30	1.9	0.27	443	0158-6L
3999.00	cut	Sh/Clst: lt ol gy, lt y brn	1.13	5.21	0.68	7.66	2.18	239	31	6.3	0.18	443	0159-3L
4017.00	cut	Sh/Clst: lt ol gy, lt y brn	0.93	4.95	0.68	7.28	2.28	217	30	5.9	0.16	449	0099-2L
4035.00	cut	Sh/Clst: brn blk, ol blk	2.50	15.41	0.55	28.02	5.65	273	10	17.9	0.14	441	0160-1L
4055.00	cut	Sh/Clst: lt ol gy, lt y brn	0.81	4.96	0.69	7.19	2.28	218	30	5.8	0.14	446	0161-2L
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	0.82	4.48	1.18	3.80	2.33	192	51	5.3	0.15	447	0101-2L
4089.00	cut	Sh/Clst: brn blk, ol blk	0.79	5.25	0.20	26.25	2.32	226	9	6.0	0.13	450	0162-1L
4107.00	cut	Sh/Clst: lt ol gy, lt y brn	0.89	5.42	0.60	9.03	2.65	205	23	6.3	0.14	448	0163-2L
4125.00	cut	Sh/Clst: lt ol gy, lt y brn	1.18	8.95	0.80	11.19	3.14	285	25	10.1	0.12	445	0103-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	2.10	15.92	0.76	20.95	4.61	345	16	18.0	0.12	447	0164-2L
4161.00	cut	Sh/Clst: brn blk, ol blk	1.44	6.62	0.49	13.51	3.35	198	15	8.1	0.18	442	0165-1L
4179.00	cut	Sh/Clst: drk ol gy, drk y brn	2.89	22.03	0.45	48.96	6.83	323	7	24.9	0.12	444	0105-2L
4197.00	cut	Sh/Clst: brn blk, drk ol gy	0.54	0.67	0.36	1.86	2.07	32	17	1.2	0.45	440	0166-3L

Table 3 : Rock-Eval table for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4215.00	cut	Sh/Clst: brn blk, drk ol gy	0.21	0.21	0.33	0.64	1.34	16	25	0.4	0.50	465	0167-3L
4233.00	cut	Sh/Clst: brn blk, ol blk	0.95	6.98	0.56	12.46	2.69	259	21	7.9	0.12	451	0107-1L
4251.00	cut	Sh/Clst: brn blk, drk ol gy	0.37	0.21	0.60	0.35	1.72	12	35	0.6	0.64	433	0168-3L
4269.00	cut	Sh/Clst: brn blk, ol blk	0.42	3.22	0.18	17.89	2.43	133	7	3.6	0.12	452	0169-1L
4287.00	cut	Sh/Clst: brn blk, ol blk	0.34	1.19	0.22	5.41	2.28	52	10	1.5	0.22	452	0109-1L
4305.00	com	bulk	0.74	3.69	0.33	11.18	2.71	136	12	4.4	0.17	448	0182-0B
4323.00	cut	Sh/Clst: brn blk, drk ol gy	0.53	0.27	0.65	0.42	2.96	9	22	0.8	0.66	433	0171-3L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	1.18	3.50	0.65	5.38	3.60	97	18	4.7	0.25	448	0111-2L
4359.00	cut	Sh/Clst: drk ol gy, drk y brn	0.93	3.97	0.70	5.67	3.35	119	21	4.9	0.19	448	0112-2L
4401.00	cut	Sh/Clst: brn blk, ol blk	0.62	3.97	0.21	18.90	2.22	179	9	4.6	0.14	447	0114-1L
4434.00	cut	Sh/Clst: brn blk, ol blk	0.63	4.22	0.15	28.13	1.94	218	8	4.8	0.13	452	0172-1L
4470.00	cut	Coal : blk	20.62	198.54	6.04	32.87	64.50	308	9	219.2	0.09	455	0173-3L
4506.00	cut	Ca : dsk y brn	0.96	0.57	3.22	0.18	0.83	69	388	1.5	0.63	398	0174-3L
4542.00	cut	Other : dsk y brn	0.81	0.67	3.86	0.17	0.96	70	402	1.5	0.55	402	0175-1L
4569.00	cut	Other : dsk y brn	1.17	0.82	4.06	0.20	1.08	76	376	2.0	0.59	418	0176-1L

Table 3 : Rock-Eval table for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4587.00	cut	Sh/Clst: brn blk, ol blk	0.71	1.12	0.89	1.26	1.88	60	47	1.8	0.39	450	0177-1L
4623.00	cut	Sh/Clst: brn blk, ol blk	3.82	1.00	0.53	1.89	2.05	49	26	4.8	0.79	437	0178-1L
4641.00	cut	Sh/Clst: brn blk, ol blk	0.36	0.17	0.31	0.55	1.39	12	22	0.5	0.68	450	0179-1L



Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 34/7-15S

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
3450.00	cut	Sh/Clst: brn blk, ol blk	3.7	28.4	7.6	6.9	7.1	6.8	14.5	13.9	5.03	0125-3L
3480.00	cut	Sh/Clst: brn blk to ol blk	10.3	71.6	20.3	17.0	20.2	14.1	37.3	34.3	5.07	0127-1L
3510.00	cut	Sh/Clst: brn blk to ol blk	9.7	65.1	17.9	17.6	15.1	14.5	35.5	29.6	4.93	0129-1L
3540.00	cut	Sh/Clst: brn blk to ol blk	9.3	57.9	14.9	14.1	16.6	12.3	29.0	28.9	4.57	0131-1L
3570.00	cut	Sh/Clst: brn blk to ol blk	9.9	49.0	13.1	13.1	19.7	3.1	26.2	22.8	4.26	0133-1L
3598.00	cut	Sh/Clst: brn blk to ol blk	9.4	49.1	11.0	11.8	18.0	8.3	22.8	26.3	4.23	0134-1L
3625.00	cut	Sh/Clst: brn blk to ol blk	9.7	52.3	11.4	12.0	20.6	8.3	23.4	28.9	4.33	0137-1L
3658.00	cut	Sh/Clst: brn blk to ol blk	9.6	61.0	15.3	15.3	19.5	10.9	30.6	30.4	5.25	0139-1L
3685.00	cut	Sh/Clst: brn blk to ol blk	9.6	69.1	17.5	17.5	20.9	13.2	35.0	34.1	6.06	0141-1L
3712.00	cut	Sh/Clst: brn blk to ol blk	9.9	83.5	20.8	21.6	21.4	19.7	42.4	41.1	6.69	0143-1L
3739.00	cut	Sh/Clst: brn blk to ol blk	10.3	92.4	21.7	27.1	26.0	17.6	48.8	43.6	6.99	0145-1L
3766.00	cut	Sh/Clst: brn blk	10.1	82.8	17.8	21.3	30.3	13.4	39.1	43.7	7.35	0147-1L
3802.00	cut	Sh/Clst: brn blk, ol blk	10.1	84.5	16.0	17.7	39.3	11.5	33.7	50.8	7.74	0091-1L
3829.00	cut	Sh/Clst: brn blk, ol blk	10.0	58.0	9.8	11.8	25.4	11.0	21.6	36.4	7.46	0092-1L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 34/7-15S

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
3847.00	cut	Sh/Clst: brn blk, ol blk	10.6	64.7	15.6	15.6	21.4	12.1	31.2	33.5	8.33	0153-1L
3874.00	cut	Sh/Clst: brn blk, ol blk	10.1	43.7	11.8	8.0	19.8	4.1	19.8	23.9	7.70	0154-1L
3943.00	cut	Sh/Clst: brn blk, ol blk	8.7	15.2	2.2	2.5	8.7	1.8	4.7	10.5	2.61	0157-1L
4017.00	cut	Sh/Clst: lt ol gy, lt y brn	5.3	15.9	2.7	2.4	7.9	2.9	5.1	10.8	2.21	0099-2L
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	3.0	13.5	1.7	1.5	6.4	3.9	3.2	10.3	2.47	0101-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	8.6	48.1	11.8	10.9	18.0	7.4	22.7	25.4	4.61	0164-2L
4197.00	cut	Sh/Clst: brn blk, drk ol gy	10.4	49.8	10.4	11.9	19.6	7.9	22.3	27.5	4.28	0166-3L
4269.00	cut	Sh/Clst: brn blk, ol blk	10.1	27.7	6.6	5.7	11.8	3.6	12.3	15.4	2.49	0169-1L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	6.1	19.1	1.9	2.7	10.0	4.5	4.6	14.5	3.43	0111-2L
4434.00	cut	Sh/Clst: brn blk, ol blk	10.0	20.6	3.6	4.4	8.4	4.2	8.0	12.6	2.14	0172-1L
4587.00	cut	Sh/Clst: brn blk, ol blk	8.7	23.6	4.0	3.5	8.6	7.5	7.5	16.1	2.14	0177-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3450.00	cut	Sh/Clst: brn blk, ol blk	7654	2048	1859	1913	1832	3908	3746	0125-3L
3480.00	cut	Sh/Clst: brn blk to ol blk	6951	1970	1650	1961	1368	3621	3330	0127-1L
3510.00	cut	Sh/Clst: brn blk to ol blk	6704	1843	1812	1555	1493	3656	3048	0129-1L
3540.00	cut	Sh/Clst: brn blk to ol blk	6252	1609	1522	1792	1328	3131	3120	0131-1L
3570.00	cut	Sh/Clst: brn blk to ol blk	4959	1325	1325	1993	313	2651	2307	0133-1L
3590.00	cut	Sh/Clst: brn blk to ol blk	5245	1175	1260	1923	886	2435	2809	0134-1L
3625.00	cut	Sh/Clst: brn blk to ol blk	5408	1178	1240	2130	858	2419	2988	0137-1L
3650.00	cut	Sh/Clst: brn blk to ol blk	6334	1588	1588	2024	1131	3177	3156	0139-1L
3685.00	cut	Sh/Clst: brn blk to ol blk	7160	1813	1813	2165	1367	3626	3533	0141-1L
3712.00	cut	Sh/Clst: brn blk to ol blk	8468	2109	2190	2170	1997	4300	4168	0143-1L
3739.00	cut	Sh/Clst: brn blk to ol blk	8953	2102	2625	2519	1705	4728	4224	0145-1L
3766.00	cut	Sh/Clst: brn blk	8230	1769	2117	3011	1332	3886	4343	0147-1L
3802.00	cut	Sh/Clst: brn blk, ol blk	8374	1585	1754	3894	1139	3339	5034	0091-1L
3829.00	cut	Sh/Clst: brn blk, ol blk	5794	979	1178	2537	1098	2157	3636	0092-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3847.00	cut	Sh/Clst: brn blk, ol blk	6115	1474	1474	2022	1143	2948	3166	0153-1L
3874.00	cut	Sh/Clst: brn blk, ol blk	4326	1168	792	1960	405	1960	2366	0154-1L
3943.00	cut	Sh/Clst: brn blk, ol blk	1751	253	288	1002	207	541	1209	0157-1L
4017.00	cut	Sh/Clst: lt ol gy, lt y brn	3028	514	457	1504	552	971	2057	0099-2L
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	4576	576	508	2169	1322	1084	3491	0101-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	5606	1375	1270	2097	862	2645	2960	0164-2L
4197.00	cut	Sh/Clst: brn blk, drk ol gy	4765	995	1138	1875	755	2133	2631	0166-3L
4269.00	cut	Sh/Clst: brn blk, ol blk	2731	650	562	1163	355	1213	1518	0169-1L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	3110	309	439	1628	732	749	2361	0111-2L
4434.00	cut	Sh/Clst: brn blk, ol blk	2057	359	439	839	419	799	1258	0172-1L
4587.00	cut	Sh/Clst: brn blk, ol blk	2715	460	402	989	863	863	1852	0177-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3450.00	cut	Sh/Clst: brn blk, ol blk	152.19	40.73	36.97	38.05	36.44	77.70	74.49	0125-3L
3480.00	cut	Sh/Clst: brn blk to ol blk	137.11	38.87	32.55	38.68	27.00	71.43	65.68	0127-1L
3510.00	cut	Sh/Clst: brn blk to ol blk	135.99	37.39	36.77	31.54	30.29	74.16	61.83	0129-1L
3540.00	cut	Sh/Clst: brn blk to ol blk	136.82	35.21	33.32	39.23	29.07	68.53	68.29	0131-1L
3570.00	cut	Sh/Clst: brn blk to ol blk	116.42	31.12	31.12	46.81	7.37	62.25	54.17	0133-1L
3598.00	cut	Sh/Clst: brn blk to ol blk	124.01	27.78	29.80	45.46	20.96	57.59	66.43	0134-1L
3625.00	cut	Sh/Clst: brn blk to ol blk	124.91	27.23	28.66	49.20	19.82	55.89	69.02	0137-1L
3658.00	cut	Sh/Clst: brn blk to ol blk	120.65	30.26	30.26	38.57	21.56	60.53	60.13	0139-1L
3685.00	cut	Sh/Clst: brn blk to ol blk	118.16	29.93	29.93	35.74	22.57	59.85	58.31	0141-1L
3712.00	cut	Sh/Clst: brn blk to ol blk	126.59	31.53	32.75	32.44	29.87	64.28	62.31	0143-1L
3739.00	cut	Sh/Clst: brn blk to ol blk	128.09	30.08	37.57	36.04	24.40	67.65	60.44	0145-1L
3766.00	cut	Sh/Clst: brn blk	111.98	24.07	28.81	40.98	18.12	52.88	59.10	0147-1L
3802.00	cut	Sh/Clst: brn blk, ol blk	108.20	20.49	22.66	50.32	14.73	43.15	65.05	0091-1L
3829.00	cut	Sh/Clst: brn blk, ol blk	77.67	13.12	15.80	34.01	14.73	28.93	48.74	0092-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3847.00	cut	Sh/Clst: brn blk, ol blk	73.41	17.70	17.70	24.28	13.73	35.40	38.01	0153-1L
3874.00	cut	Sh/Clst: brn blk, ol blk	56.19	15.17	10.29	25.46	5.27	25.46	30.73	0154-1L
3943.00	cut	Sh/Clst: brn blk, ol blk	67.09	9.71	11.04	38.40	7.95	20.75	46.35	0157-1L
4017.00	cut	Sh/Clst: lt ol gy, lt y brn	137.04	23.27	20.69	68.09	24.99	43.96	93.08	0099-2L
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	185.27	23.33	20.59	87.83	53.52	43.92	141.36	0101-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	121.61	29.83	27.56	45.51	18.71	57.39	64.22	0164-2L
4197.00	cut	Sh/Clst: brn blk, drk ol gy	111.34	23.25	26.61	43.82	17.66	49.86	61.49	0166-3L
4269.00	cut	Sh/Clst: brn blk, ol blk	109.71	26.14	22.58	46.74	14.26	48.72	60.99	0169-1L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	90.69	9.02	12.82	47.48	21.37	21.84	68.85	0111-2L
4434.00	cut	Sh/Clst: brn blk, ol blk	96.17	16.81	20.54	39.21	19.61	37.35	58.82	0172-1L
4587.00	cut	Sh/Clst: brn blk, ol blk	126.90	21.51	18.82	46.25	40.33	40.33	86.57	0177-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 34/7-15S

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	
3450.00	cut	Sh/Clst: brn blk, ol blk	26.76	24.30	25.00	23.94	51.06	48.94	110.14	104.32	0125-3L
3480.00	cut	Sh/Clst: brn blk to ol blk	28.35	23.74	28.21	19.69	52.09	47.91	119.41	108.75	0127-1L
3510.00	cut	Sh/Clst: brn blk to ol blk	27.50	27.04	23.20	22.27	54.53	45.47	101.70	119.93	0129-1L
3540.00	cut	Sh/Clst: brn blk to ol blk	25.73	24.35	28.67	21.24	50.09	49.91	105.67	100.35	0131-1L
3570.00	cut	Sh/Clst: brn blk to ol blk	26.73	26.73	40.20	6.33	53.47	46.53	100.00	114.91	0133-1L
3598.00	cut	Sh/Clst: brn blk to ol blk	22.40	24.03	36.66	16.90	46.44	53.56	93.22	86.69	0134-1L
3625.00	cut	Sh/Clst: brn blk to ol blk	21.80	22.94	39.39	15.87	44.74	55.26	95.00	80.97	0137-1L
3658.00	cut	Sh/Clst: brn blk to ol blk	25.08	25.08	31.97	17.87	50.16	49.84	100.00	100.66	0139-1L
3685.00	cut	Sh/Clst: brn blk to ol blk	25.33	25.33	30.25	19.10	50.65	49.35	100.00	102.64	0141-1L
3712.00	cut	Sh/Clst: brn blk to ol blk	24.91	25.87	25.63	23.59	50.78	49.22	96.30	103.16	0143-1L
3739.00	cut	Sh/Clst: brn blk to ol blk	23.48	29.33	28.14	19.05	52.81	47.19	80.07	111.93	0145-1L
3766.00	cut	Sh/Clst: brn blk	21.50	25.72	36.59	16.18	47.22	52.78	83.57	89.47	0147-1L
3802.00	cut	Sh/Clst: brn blk, ol blk	18.93	20.95	46.51	13.61	39.88	60.12	90.40	66.34	0091-1L
3829.00	cut	Sh/Clst: brn blk, ol blk	16.90	20.34	43.79	18.97	37.24	62.76	83.05	59.34	0092-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 34/7-15S

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	
3847.00	cut	Sh/Clst: brn blk, ol blk	24.11	24.11	33.08	18.70	48.22	51.78	100.00	93.13	0153-1L
3874.00	cut	Sh/Clst: brn blk, ol blk	27.00	18.31	45.31	9.38	45.31	54.69	147.50	82.85	0154-1L
3943.00	cut	Sh/Clst: brn blk, ol blk	14.47	16.45	57.24	11.84	30.92	69.08	88.00	44.76	0157-1L
4017.00	cut	Sh/Clst: lt ol gy, lt y brn	16.98	15.09	49.69	18.24	32.08	67.92	112.50	47.22	0099-2L
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	12.59	11.11	47.41	28.89	23.70	76.30	113.33	31.07	0101-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	24.53	22.66	37.42	15.38	47.19	52.81	108.26	89.37	0164-2L
4197.00	cut	Sh/Clst: brn blk, drk ol gy	20.88	23.90	39.36	15.86	44.78	55.22	87.39	81.09	0166-3L
4269.00	cut	Sh/Clst: brn blk, ol blk	23.83	20.58	42.60	13.00	44.40	55.60	115.79	79.87	0169-1L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	9.95	14.14	52.36	23.56	24.08	75.92	70.37	31.72	0111-2L
4434.00	cut	Sh/Clst: brn blk, ol blk	17.48	21.36	40.78	20.39	38.83	61.17	81.82	63.49	0172-1L
4587.00	cut	Sh/Clst: brn blk, ol blk	16.95	14.83	36.44	31.78	31.78	68.22	114.29	46.58	0177-1L



Table 5 : Saturated Hydrocarbon Ratios for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
3450.00	cut	Sh/Clst: brn blk, ol blk	0.99	1.54	0.91	0.81	1.02	0125-3L
3480.00	cut	Sh/Clst: brn blk to ol blk	1.06	1.50	0.97	0.86	1.12	0127-1L
3510.00	cut	Sh/Clst: brn blk to ol blk	0.94	1.30	0.87	0.80	1.06	0129-1L
3540.00	cut	Sh/Clst: brn blk to ol blk	0.93	1.46	0.85	0.75	1.10	0131-1L
3570.00	cut	Sh/Clst: brn blk to ol blk	1.02	1.63	0.89	0.73	1.16	0133-1L
3598.00	cut	Sh/Clst: brn blk to ol blk	1.23	1.65	1.02	0.80	1.06	0134-1L
3625.00	cut	Sh/Clst: brn blk to ol blk	1.05	1.85	0.87	0.66	1.11	0137-1L
3658.00	cut	Sh/Clst: brn blk to ol blk	0.98	1.74	0.84	0.67	1.10	0139-1L
3685.00	cut	Sh/Clst: brn blk to ol blk	1.00	1.63	0.87	0.72	1.11	0141-1L
3712.00	cut	Sh/Clst: brn blk to ol blk	0.86	1.49	0.78	0.69	1.06	0143-1L
3739.00	cut	Sh/Clst: brn blk to ol blk	0.92	1.47	0.84	0.74	1.13	0145-1L
3766.00	cut	Sh/Clst: brn blk	1.15	1.88	0.93	0.69	1.16	0147-1L
3802.00	cut	Sh/Clst: brn blk, ol blk	1.14	1.91	0.90	0.65	1.20	0091-1L
3829.00	cut	Sh/Clst: brn blk, ol blk	1.01	1.97	0.78	0.55	1.25	0092-1L

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
3847.00	cut	Sh/Clst: brn blk, ol blk	0.98	1.95	0.78	0.56	1.22	0153-1L
3874.00	cut	Sh/Clst: brn blk, ol blk	1.19	1.62	1.00	0.79	1.16	0154-1L
3943.00	cut	Sh/Clst: brn blk, ol blk	1.02	3.18	0.70	0.35	1.20	0157-1L
4017.00	cut	Sh/Clst: lt ol gy, lt y brn	0.69	2.40	0.49	0.29	1.24	0099-2L
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	0.68	2.40	0.50	0.31	1.22	0101-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	0.51	2.66	0.39	0.24	1.11	0164-2L
4197.00	cut	Sh/Clst: brn blk, drk ol gy	0.54	2.41	0.41	0.25	1.12	0166-3L
4269.00	cut	Sh/Clst: brn blk, ol blk	0.59	3.38	0.40	0.19	1.17	0169-1L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	0.91	3.43	0.60	0.28	1.15	0111-2L
4434.00	cut	Sh/Clst: brn blk, ol blk	0.66	3.13	0.45	0.23	1.19	0172-1L
4587.00	cut	Sh/Clst: brn blk, ol blk	0.40	1.94	0.31	0.22	1.08	0177-1L

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT (3+2) /1MDBT	Sample	
3450.00	cut	Sh/Clst: brn blk, ol blk	0.74	1.28	0.09	0.71	0.53	0.56	0.72	0.29	3.49	0.98	0125-3L
3480.00	cut	Sh/Clst: brn blk to ol blk	0.96	1.51	0.11	0.75	0.57	0.60	0.74	0.33	0.99	0.30	0127-1L
3510.00	cut	Sh/Clst: brn blk to ol blk	0.96	1.43	0.13	0.76	0.58	0.61	0.75	0.30	1.13	0.26	0129-1L
3540.00	cut	Sh/Clst: brn blk to ol blk	0.94	1.53	0.16	0.80	0.54	0.58	0.72	0.27	1.76	0.36	0131-1L
3570.00	cut	Sh/Clst: brn blk to ol blk	0.97	1.61	0.18	0.75	0.54	0.56	0.72	0.25	1.96	0.43	0133-1L
3598.00	cut	Sh/Clst: brn blk to ol blk	1.04	1.67	0.16	0.78	0.52	0.57	0.71	0.24	2.81	0.61	0134-1L
3625.00	cut	Sh/Clst: brn blk to ol blk	1.01	1.58	0.16	0.78	0.51	0.57	0.71	0.24	3.00	0.73	0137-1L
3658.00	cut	Sh/Clst: brn blk to ol blk	1.07	1.47	0.16	0.72	0.55	0.58	0.73	0.26	2.63	0.56	0139-1L
3685.00	cut	Sh/Clst: brn blk to ol blk	1.01	1.40	0.16	0.75	0.56	0.60	0.74	0.28	2.99	0.63	0141-1L
3712.00	cut	Sh/Clst: brn blk to ol blk	1.02	1.34	0.14	0.68	0.53	0.58	0.72	0.31	2.71	0.56	0143-1L
3739.00	cut	Sh/Clst: brn blk to ol blk	1.02	1.59	0.11	0.65	0.48	0.52	0.69	0.28	2.57	0.56	0145-1L
3766.00	cut	Sh/Clst: brn blk	1.13	1.68	0.11	0.66	0.50	0.56	0.70	0.32	2.58	0.81	0147-1L
3802.00	cut	Sh/Clst: brn blk, ol blk	1.18	1.73	0.09	0.64	0.50	0.55	0.70	0.30	2.19	0.86	0091-1L
3829.00	cut	Sh/Clst: brn blk, ol blk	1.05	1.56	0.12	0.66	0.51	0.57	0.71	0.30	2.14	0.82	0092-1L
3847.00	cut	Sh/Clst: brn blk, ol blk	1.10	1.57	0.11	0.66	0.50	0.55	0.70	0.24	1.58	0.68	0153-1L

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
3874.00	cut	Sh/Clst: brn blk, ol blk	0.95	1.75	0.07	0.70	0.53	0.57	0.72	0.22	2.12	0.90	0154-1L
3943.00	cut	Sh/Clst: brn blk, ol blk	0.95	1.74	0.08	0.84	0.56	0.60	0.74	0.20	5.90	1.50	0157-1L
4017.00	cut	Sh/Clst: lt ol gy, lt y brn	0.42	1.12	0.03	0.82	0.60	0.70	0.76	0.17	5.92	1.45	0099-2L
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	0.62	1.58	0.03	0.70	0.55	0.60	0.73	0.15	4.60	1.49	0101-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	1.11	1.66	0.08	0.68	0.52	0.57	0.71	0.11	6.68	1.05	0164-2L
4197.00	cut	Sh/Clst: brn blk, drk ol gy	1.04	1.61	0.10	0.72	0.53	0.60	0.72	0.11	12.01	1.04	0166-3L
4269.00	cut	Sh/Clst: brn blk, ol blk	1.06	1.77	0.11	0.72	0.51	0.57	0.71	0.11	6.58	1.52	0169-1L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	1.10	2.08	0.13	0.88	0.58	0.63	0.75	0.10	4.40	-	0111-2L
4434.00	cut	Sh/Clst: brn blk, ol blk	0.75	1.66	0.03	0.72	0.56	0.57	0.74	0.11	3.74	1.35	0172-1L
4587.00	cut	Sh/Clst: brn blk, ol blk	1.22	2.15	0.25	0.94	0.63	0.70	0.78	0.21	17.02	1.98	0177-1L

Table 7 : Thermal Maturity Data for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
1050.00	swc	bulk	NDP	-	-	-	-	-	0183-0B
1288.00	swc	bulk	0.29	6	0.07	-	-	-	0184-0B
1415.00	swc	bulk	NDP	-	-	-	-	-	0185-0B
1802.00	swc	bulk	0.28	8	0.02	-	-	-	0186-0B
1875.00	swc	bulk	0.34	4	0.06	-	-	-	0187-0B
1980.00	swc	bulk	NDP	-	-	-	-	-	0188-0B
2044.00	swc	bulk	0.45	3	0.05	-	-	-	0189-0B
2675.00	swc	bulk	0.38	3	0.01	-	-	-	0190-0B
2740.00	swc	bulk	0.30	5	0.04	-	-	-	0191-0B
2805.00	swc	bulk	NDP	-	-	-	-	-	0192-0B
2940.00	swc	bulk	0.69	2	0.03	-	-	-	0193-0B
2995.00	swc	bulk	0.45	3	0.02	-	-	-	0194-0B
3125.00	swc	bulk	0.50	4	0.03	-	-	-	0195-0B
3175.00	swc	bulk	0.51	3	0.05	-	-	-	0196-0B

Table 7 : Thermal Maturity Data for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
3225.00	swc bulk	0.44	6	0.02	-	-	-	0197-0B
3280.00	swc bulk	NDF	-	-	-	-	-	0198-0B
3360.00	swc bulk	NDF	-	-	-	-	-	0199-0B
3380.00	swc bulk	0.49	3	0.00	-	-	-	0200-0B
3460.00	cut Sh/Clst: brn blk to ol blk	-	-	-	-	4.5-5.0	435	0079-1L
3520.00	cut Sh/Clst: brn blk to ol blk	-	-	-	-	5.0-5.5	431	0081-1L
3588.50	swc bulk	0.43	18	0.05	-	-	-	0135-0B
3610.00	swc bulk	0.41	15	0.03	-	5.0	-	0203-0B
3675.00	swc bulk	0.32	8	0.05	-	-	-	0205-0B
3695.00	swc bulk	0.35	4	0.04	-	5.5	-	0206-0B
3720.00	swc bulk	0.54	15	0.05	-	-	-	0207-0B
3745.00	swc bulk	0.40	12	0.06	-	-	-	0208-0B
3795.00	swc bulk	0.46	17	0.04	-	-	-	0211-0B
3811.00	swc bulk	-	-	-	-	5.0-5.5	-	0212-0B

Table 7 : Thermal Maturity Data for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
3845.00	swc bulk	0.57	6	0.04	-	-	-	0214-0B
3865.00	swc bulk	0.78	13	0.07	-	-	-	0215-0B
3900.00	swc bulk	0.78	13	0.08	-	-	-	0217-0B
3915.00	swc bulk	0.76	9	0.07	-	-	-	0218-0B
3918.50	swc bulk	-	-	-	-	6.0	-	0219-0B
4017.00	cut bulk	NDP	-	-	-	-	-	0099-0B
4071.00	cut bulk	0.81	4	0.03	-	-	-	0101-0B
4071.00	cut Sh/Clst: lt ol gy, lt y brn	-	-	-	-	5.5-6.0	447	0101-2L
4142.00	cut bulk	NDP	-	-	-	-	-	0164-0B
4142.00	cut Sh/Clst: m ol gy, lt y brn	-	-	-	-	6.5-(?)7.0	447	0164-2L
4215.00	cut bulk	NDP	-	-	-	-	-	0167-0B
4305.00	com bulk	0.96	4	0.06	-	-	448	0182-0B
4341.00	cut Sh/Clst: drk ol gy, drk y brn	-	-	-	-	7.0	448	0111-2L
4401.00	cut bulk	0.67	2	0.02	-	-	-	0114-0B

Table 7 : Thermal Maturity Data for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
4470.00	cut	bulk	0.74	24	0.06	-	-	-	0173-0B
4470.00	cut	Coal : blk	-	-	-	-	6.5-7.0(?)	455	0173-3L
4574.00	swc	bulk	0.68	6	0.07	-	-	-	0220-0B
4604.00	swc	bulk	0.80	3	0.04	-	-	-	0221-0B
4637.00	swc	bulk	0.98	5	0.04	-	-	-	0223-0B



Table 8 : Visual Kerogen Composition Data for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	R	A	D	A	B	I	S	I	M	S	V	C	V	A	Sample
			P	m	i	u	e	l	n	c	i	f	r	t	F	n	c	B	I	T	o	
%			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	i	%	n	t	V
3460.00	cut	Sh/Clst: brn blk to ol blk	90	**	*	*	?	**					TR	*	*	*		10	*		*	0079-1L
3520.00	cut	Sh/Clst: brn blk to ol blk	85	**	*	*		**					TR	*	*	*		10	*		*	0081-1L
3610.00	swc	bulk	75	*	**	**		*					10	*	**			15	**	*	*	0203-0B
3695.00	swc	bulk	70	*	**	**		*					15	*	**			15	**	*	*	0206-0B
3811.00	swc	bulk	90	**	**	*		*					5	*	*			5		*		0212-0B
3918.50	swc	bulk	90	**	**	*		*					5		*			5		*		0219-0B
4071.00	cut	Sh/Clst: lt ol gy, lt y brn	50		*	**		*					15	*	*			35	**	*	*	0101-2L
4142.00	cut	Sh/Clst: m ol gy, lt y brn	95	**	**	*		?					TR		*			5	*	**		0164-2L
4341.00	cut	Sh/Clst: drk ol gy, drk y brn	35	*		**	**						15	*				50	**	*	*	0111-2L
4470.00	cut	Coal : blk	35	*		*	?	*					10	*	*			55	*	*	**	? 0173-3L

Table 9: Isotope Analysis of Gas Components.

WELL 34/7-15S DELTA 13C VALUES ON HEADSPACE GAS.

DEPTH	C1	C2	C3	iC4	nC4
1190M	-78.0				
1220M	-78.1				
1260M	-80.5				
1760M	-66.5				
2160M	-60.8				
2370M	-66.4				
2790M	-59.6				
3140M	TOO LOW TO BE MEASURED				
3260M	-53.7				
4587M	-40.3				
3410M	-55.5	-39.6	-35.5	-31.4	-31.2
3589M	-46.4	-36.8	-34.7	-33.7	-34.1
4296M	-41.9	-28.8	-29.6	-30.1	-27.3
4365M	-35.9	-28.5	-27.9	-27.9	-28.1
4506M	-42.4	-33.6	-33.9	-41.9	-36.7

Sample	IFE no.	C <sub>1</sub> δ <sup>13</sup> C ‰ PDB	C <sub>1</sub> δ D ‰ SMOW	C <sub>2</sub> δ <sup>13</sup> C ‰ PDB	C <sub>3</sub> δ <sup>13</sup> C ‰ PDB	C <sub>4</sub> δ <sup>13</sup> C ‰ PDB
3480 m	9030	*	*	*	-34.1	-32.5
3784 m	9031	-27.0	*	-33.6	-32.7	-32.1
4008 m	9032	-39.0	-200	-30.9	-28.9	-27.7
4161 m	9033	-46.5	-155	-35.5	-32.5	-31.7
4461 m	9034	-46.8	-217	-34.1	-31.3	-23.7

\* Too low to be measured

Due to low hydrocarbon concentration of the headspace gas (< 10 ppm) we were not able to do the carbon isotopic determination on methane and ethane from the 3480 m sample and the hydrogen isotopic determination on methane from the 3784 m sample.

Heavy methane carbon isotopic composition may be due to bacterial activity in the cans, - insufficient addition of bactericide to the samples ?

The uncertainty on the δ<sup>13</sup>C value is estimated to be ± 0.3 ‰ and includes all the different analytical steps. The uncertainty on the δ D value is likewise estimated to be ± 5 ‰.

IFEs value on NBS 22 is -29.77 ± .06 ‰PDB.

Table 10a : Tabulation of carbon isotope data for EOM/EOM - fractions or Oils for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
3450.00	cut		-	-32.31	-31.46	-30.98	-30.40	-	0125-3L
3480.00	cut		-	-32.12	-31.51	-31.11	-30.39	-	0127-1L
3510.00	cut		-	-31.84	-30.62	-30.97	-30.37	-	0129-1L
3540.00	cut		-	-31.14	-30.34	-29.99	-29.21	-	0131-1L
3570.00	cut		-	-30.57	-29.56	-29.22	-28.34	-	0133-1L
3598.00	cut		-	-29.85	-28.72	-28.52	-27.21	-	0134-1L
3625.00	cut		-	-29.02	-28.22	-27.96	-27.11	-	0137-1L
3658.00	cut		-	-29.27	-28.10	-28.20	-27.32	-	0139-1L
3685.00	cut		-	-29.73	-28.50	-28.40	-27.68	-	0141-1L
3712.00	cut		-	-29.72	-28.56	-28.51	-27.81	-	0143-1L
3739.00	cut		-	-29.10	-28.12	-27.82	-26.33	-	0145-1L
3766.00	cut		-	-28.75	-27.29	-27.16	-26.28	-	0147-1L
3802.00	cut		-	-28.00	-26.58	-26.43	-25.74	-	0091-1L
3829.00	cut		-	-27.59	-26.11	-26.12	-25.78	-	0092-1L
3847.00	cut		-	-27.87	-26.16	-26.17	-25.86	-	0153-1L

Table 10a : Tabulation of carbon isotope data for EOM/EOM - fractions or Oils for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	EOM/Oil	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
3874.00	cut		-	-29.07	-26.11	-25.96	-24.29	-	0154-1L
				* -28.99					
3943.00	cut		-	-27.21	-24.90	-25.49	-23.69	-	0157-1L
4017.00	cut		-	-27.00	-25.72	-26.32	-25.64	-	0099-2L
4071.00	cut		-	-26.72	-25.67	-26.31	-26.81	-	0101-2L
				* -26.89	* -25.66	* -26.45	* -27.11		
4142.00	cut		-	-28.92	-27.68	-27.78	-27.31	-	0164-2L
4197.00	cut		-	-28.74	-27.89	-28.04	-27.69	-	0166-3L
4269.00	cut		-	-26.96	-26.65	-26.06	-25.24	-	0169-1L
4341.00	cut		-	-26.06	-25.65	-26.71	-25.19	-	0111-2L
4434.00	cut		-	-27.46	-25.71	-26.01	-25.40	-	0172-1L
4587.00	cut		-	-26.67	-25.23	-26.07	-25.63	-	0177-1L

\* Sample rerun.

Table 10b : Tabulation of cv values from carbon isotope data for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	Saturated	Aromatic	cv value	Sample
3450.00	cut		-32.31	-31.46	0.25	0125-3L
3480.00	cut		-32.12	-31.51	-0.34	0127-1L
3510.00	cut		-31.84	-30.62	0.93	0129-1L
3540.00	cut		-31.14	-30.34	-0.22	0131-1L
3570.00	cut		-30.57	-29.56	0.07	0133-1L
3598.00	cut		-29.85	-28.72	0.11	0134-1L
3625.00	cut		-29.02	-28.22	-0.88	0137-1L
3658.00	cut		-29.27	-28.10	0.02	0139-1L
3685.00	cut		-29.73	-28.50	0.30	0141-1L
3712.00	cut		-29.72	-28.56	0.14	0143-1L
3739.00	cut		-29.10	-28.12	-0.45	0145-1L
3766.00	cut		-28.75	-27.29	0.50	0147-1L
3802.00	cut		-28.00	-26.58	0.18	0091-1L
3829.00	cut		-27.59	-26.11	0.19	0092-1L
3847.00	cut		-27.87	-26.16	0.79	0153-1L

Table 10b : Tabulation of cv values from carbon isotope data for well NOCS 34/7-15S

Depth unit of measure: m

Depth	Typ	Lithology	Saturated	Aromatic	cv value	Sample
3874.00	cut		-29.07	-26.11	3.93	0154-1L
3943.00	cut		-27.21	-24.90	1.91	0157-1L
4017.00	cut		-27.00	-25.72	-0.44	0099-2L
4071.00	cut		-26.72	-25.67	-1.04	0101-2L
4142.00	cut		-28.92	-27.68	0.07	0164-2L
4197.00	cut		-28.74	-27.89	-0.85	0166-3L
4269.00	cut		-26.96	-26.65	-2.60	0169-1L
4341.00	cut		-26.06	-25.65	-2.66	0111-2L
4434.00	cut		-27.46	-25.71	0.75	0172-1L
4587.00	cut		-26.67	-25.23	-0.19	0177-1L

Table 11A: Variation in Triterpane Distribution (peak height) for Well NOCS 34/7-15S

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%	
3450.00	Sh/Clst	1.26	0.56	0.13	0.45	0.31	0.06	0.09	0.20	0.08	0.05	0.86	0.32	0.18	61.31	0125-3	
3480.00	Sh/Clst	1.31	0.57	0.13	0.45	0.31	0.06	0.03	0.07	0.03	0.05	0.88	0.31	0.14	59.21	0127-1	
3510.00	Sh/Clst	1.25	0.55	0.13	0.44	0.30	0.07	0.20	0.46	0.17	0.06	0.89	0.31	0.12	61.25	0129-1	
3540.00	Sh/Clst	1.30	0.57	0.15	0.48	0.33	0.05	0.16	0.34	0.14	0.05	0.88	0.32	0.12	61.03	0131-1	
3570.00	Sh/Clst	1.28	0.56	0.13	0.47	0.32	0.05	0.13	0.27	0.11	0.04	0.88	0.32	0.13	60.87	0133-1	
3598.00	Sh/Clst	1.22	0.55	0.12	0.44	0.31	0.06	0.15	0.34	0.13	0.04	0.89	0.31	0.13	60.05	0134-1	
3625.00	Sh/Clst	1.29	0.56	0.12	0.46	0.32	0.05	0.18	0.40	0.16	0.03	0.89	0.32	0.13	58.45	0137-1	
3658.00	Sh/Clst	1.34	0.57	0.13	0.49	0.33	0.05	0.21	0.42	0.17	0.04	0.90	0.33	0.11	60.55	0139-1	
3685.00	Sh/Clst	1.15	0.53	0.12	0.46	0.31	0.04	0.09	0.20	0.09	0.05	0.91	0.31	0.10	59.65	0141-1	
3712.00	Sh/Clst	1.22	0.55	0.12	0.45	0.31	0.05	0.15	0.34	0.13	0.05	0.91	0.31	0.10	60.43	0143-1	
3739.00	Sh/Clst	1.13	0.53	0.12	0.47	0.32	0.06	0.29	0.61	0.22	0.05	0.92	0.32	0.09	60.46	0145-1	
3766.00	Sh/Clst	1.28	0.56	0.12	0.44	0.31	0.07	0.17	0.39	0.15	0.03	0.92	0.31	0.10	59.70	0147-1	
3802.00	Sh/Clst	1.25	0.56	0.12	0.48	0.32	0.06	0.09	0.18	0.08	0.03	0.91	0.32	0.09	60.51	0091-1	
3829.00	Sh/Clst	1.33	0.57	0.12	0.47	0.32	0.07	0.05	0.11	0.05	0.02	0.91	0.32	0.09	59.33	0092-1	

Table 11A: Variation in Triterpane Distribution (peak height) for Well NOCS 34/7-15S

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/E									C+D+E+F	D+E/C+E	J1+J2%		
3847.00	Sh/Clst	1.26	0.56	0.12	0.46	0.31	0.05	0.03	0.07	0.03	0.02	0.91	0.31	0.09	59.68	0153-1		
3874.00	Sh/Clst	1.40	0.58	0.14	0.44	0.30	0.07	0.04	0.10	0.04	0.03	0.91	0.30	0.09	59.84	0154-1		
3943.00	Sh/Clst	6.85	0.87	0.27	0.67	0.40	0.06	0.04	0.06	0.04	0.06	0.84	0.39	0.16	60.94	0157-1		
4017.00	Sh/Clst	0.84	0.46	0.10	0.37	0.27	0.10	0.02	0.05	0.02	0.02	0.92	0.27	0.08	60.98	0099-2		
4071.00	Sh/Clst	0.91	0.48	0.12	0.37	0.27	0.13	0.02	0.05	0.02	0.02	0.92	0.27	0.08	61.47	0101-2		
4142.00	Sh/Clst	0.37	0.27	0.08	0.29	0.23	0.18	0.03	0.11	0.03	0.04	0.93	0.22	0.06	59.75	0164-2		
4197.00	Sh/Clst	0.42	0.30	0.10	0.32	0.24	0.24	0.04	0.11	0.04	0.05	0.94	0.23	0.05	59.10	0166-3		
4269.00	Sh/Clst	0.80	0.44	0.15	0.38	0.28	0.30	0.04	0.11	0.04	0.03	0.93	0.26	0.05	64.68	0169-1		
4341.00	Sh/Clst	2.50	0.71	0.19	0.46	0.32	0.16	0.01	0.03	0.01	0.01	0.92	0.31	0.07	62.45	0111-2		
4434.00	Sh/Clst	1.52	0.60	0.17	0.44	0.31	0.14	0.03	0.07	0.03	0.02	0.90	0.29	0.09	60.53	0172-1		
4587.00	Sh/Clst	0.95	0.49	0.20	0.60	0.37	0.35	0.11	0.19	0.10	0.23	0.95	0.39	0.08	58.92	0177-1		



Table 11B: Variation in Sterane Distribution (peak height) for Well NOCS 34/7-15S

Page: 1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
3450.00	Sh/Clst	0.65	42.49	59.67	1.39	0.64	0.38	0.26	0.43	0.74	1.29	0125-3
3480.00	Sh/Clst	0.65	42.87	58.18	1.46	0.62	0.37	0.26	0.41	0.75	1.22	0127-1
3510.00	Sh/Clst	0.63	44.00	62.06	1.49	0.65	0.41	0.29	0.45	0.79	1.46	0129-1
3540.00	Sh/Clst	0.61	41.40	61.47	1.38	0.66	0.47	0.34	0.44	0.71	1.36	0131-1
3570.00	Sh/Clst	0.61	42.12	59.49	1.28	0.64	0.43	0.32	0.42	0.73	1.27	0133-1
3598.00	Sh/Clst	0.63	43.05	61.41	1.27	0.65	0.38	0.28	0.44	0.76	1.40	0134-1
3625.00	Sh/Clst	0.67	44.01	64.15	1.20	0.67	0.36	0.27	0.47	0.79	1.60	0137-1
3658.00	Sh/Clst	0.72	42.93	69.32	1.27	0.72	0.41	0.30	0.53	0.75	1.98	0139-1
3685.00	Sh/Clst	0.74	46.23	70.21	1.17	0.72	0.44	0.32	0.54	0.86	2.19	0141-1
3712.00	Sh/Clst	0.76	44.37	73.74	1.16	0.76	0.34	0.25	0.58	0.80	2.52	0143-1
3739.00	Sh/Clst	0.78	44.77	75.14	1.05	0.77	0.33	0.24	0.60	0.81	2.74	0145-1
3766.00	Sh/Clst	0.79	46.48	72.18	1.05	0.74	0.29	0.21	0.56	0.87	2.42	0147-1

Ratio1:  $a / a + j$ Ratio2:  $g / q + t * 100\%$ Ratio3:  $2(r + s) / (q + t + 2(r + s)) * 100\%$ Ratio4:  $a + b + c + d / h + k + l + n$ Ratio5:  $r + s / r + s + q$ Ratio6:  $u + v / u + v + q + r + s + t$ Ratio7:  $u + v / u + v + i + m + n + q + r + s + t$ Ratio8:  $r + s / q + r + s + t$ Ratio9:  $q / t$ Ratio10:  $r + s / t$

Table 11B: Variation in Sterane Distribution (peak height) for Well NOCS 34/7-15S

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
3802.00	Sh/Clst	0.80	49.54	71.12	1.17	0.71	0.31	0.23	0.55	0.98	2.44	0091-1
3829.00	Sh/Clst	0.84	48.19	69.85	1.04	0.71	0.28	0.21	0.54	0.93	2.24	0092-1
3847.00	Sh/Clst	0.82	50.65	69.98	0.97	0.70	0.32	0.24	0.54	1.03	2.36	0153-1
3874.00	Sh/Clst	0.87	48.97	71.19	0.96	0.72	0.32	0.23	0.55	0.96	2.42	0154-1
3943.00	Sh/Clst	0.68	41.18	63.46	0.80	0.68	0.28	0.22	0.46	0.70	1.48	0157-1
4017.00	Sh/Clst	0.87	54.60	67.44	0.86	0.65	0.49	0.40	0.51	1.20	2.28	0099-2
4071.00	Sh/Clst	0.88	56.22	67.57	0.89	0.65	0.51	0.42	0.51	1.28	2.38	0101-2
4142.00	Sh/Clst	0.90	58.58	73.00	1.34	0.70	0.51	0.41	0.57	1.41	3.26	0164-2
4197.00	Sh/Clst	0.91	59.18	73.52	1.21	0.70	0.54	0.44	0.58	1.45	3.40	0166-3
4269.00	Sh/Clst	0.89	57.47	70.02	1.36	0.67	0.48	0.37	0.54	1.35	2.75	0169-1
4341.00	Sh/Clst	0.90	49.86	69.08	0.89	0.69	0.42	0.34	0.53	0.99	2.23	0111-2
4434.00	Sh/Clst	0.89	52.12	69.67	1.05	0.69	0.43	0.35	0.53	1.09	2.40	0172-1

Ratio1:  $a / a + j$ Ratio2:  $q / q + t * 100\%$ Ratio3:  $2(r + s) / (q + t + 2(r + s)) * 100\%$ Ratio4:  $a + b + c + d / h + k + l + n$ Ratio5:  $r + s / r + s + q$ Ratio6:  $u + v / u + v + q + r + s + t$ Ratio7:  $u + v / u + v + i + m + n + q + r + s + t$ Ratio8:  $r + s / q + r + s + t$ Ratio9:  $q / t$ Ratio10:  $r + s / t$

Table 11B: Variation in Sterane Distribution (peak height) for Well NOCS 34/7-15S

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
4587.00	Sh/Clst	0.77	44.94	76.19	0.98	0.78	0.61	0.50	0.62	0.82	2.91	0177-1

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

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

Table 11C: Raw GCMS triterpane data (peak height) for Well NOCS 34/7-15S

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						
3450.00	Sh/Clst	58.09		20.09		22.02		21.77		6.18		49.46		62.34		33.28		164.51	0125-3	
		22.07		35.56		369.21		61.86		146.67		111.20		48.25		96.28				
		60.76		102.07		64.83		74.27		46.95		88.39		60.05						
3480.00	Sh/Clst	70.52		21.06		24.49		27.79		8.76		57.27		75.16		15.03		204.55	0127-1	
		26.66		28.12		453.11		62.30		197.53		129.51		35.77		123.56				
		85.11		132.77		85.07		98.94		62.90		113.97		78.64						
3510.00	Sh/Clst	62.13		20.59		20.72		25.26		7.77		46.19		57.54		71.48		157.08	0129-1	
		23.71		21.66		359.52		42.56		148.68		105.81		26.07		102.94				
		65.12		108.33		69.65		71.46		44.94		87.48		61.83						
3540.00	Sh/Clst	52.18		17.28		16.95		31.98		7.34		49.70		64.57		52.40		154.78	0131-1	
		16.60		16.67		321.34		42.30		124.46		83.28		22.75		79.86				
		50.99		80.40		51.28		50.97		34.89		59.95		39.57						
3570.00	Sh/Clst	58.90		23.36		17.87		46.09		7.92		72.88		93.57		67.57		248.38	0133-1	
		26.81		31.75		533.70		71.57		209.38		137.22		40.73		131.97				
		84.85		116.64		72.77		76.03		46.88		79.81		53.03						

Table 11C: Raw GCMS triterpane data (peak height) for Well NOCS 34/7-15S

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					
3598.00	Sh/Clst	67.66	27.11	23.00	51.85	9.99	84.08	102.44	103.45	307.43	0134-1								
		38.16	43.74	690.94	89.14	277.13	187.01	51.46	190.53										
		126.73	160.52	107.29	105.29	69.75	106.62	73.59											
3625.00	Sh/Clst	76.11	29.20	30.85	75.11	10.86	126.90	164.16	194.46	488.32	0137-1								
		53.02	62.74	1054.43	130.45	409.10	284.99	75.56	258.19										
		183.53	216.28	141.87	136.86	87.20	123.20	83.00											
3658.00	Sh/Clst	73.02	26.11	23.90	56.81	8.25	91.34	122.45	146.17	344.91	0139-1								
		35.39	39.03	707.61	77.50	279.09	183.98	40.98	181.12										
		117.99	156.35	102.92	94.48	58.03	86.45	59.35											
3685.00	Sh/Clst	90.58	39.86	29.60	67.05	13.26	110.04	126.20	75.76	369.83	0141-1								
		35.25	38.90	807.00	82.76	307.60	211.19	43.54	188.55										
		127.55	169.98	109.55	94.26	63.66	90.43	61.22											
3712.00	Sh/Clst	117.27	57.04	43.04	76.62	20.33	133.79	163.57	165.36	484.35	0143-1								
		50.91	48.03	1078.18	101.17	441.65	301.47	56.08	290.66										
		190.31	259.36	166.33	148.48	94.55	160.56	108.80											

Table 11c: Raw GCMS triterpane data (peak height) for Well NOCS 34/7-15S

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											
3739.00	Sh/Clst	89.94	42.90	32.83	59.87	15.28	106.35	119.85	236.72	387.97	0145-1								
		49.96	40.98	827.52	71.92	335.10	219.99	38.88	214.90										
		140.52	179.51	111.88	111.06	70.80	119.00	80.42											
3766.00	Sh/Clst	65.74	29.28	20.89	61.13	9.23	128.91	165.32	195.71	507.68	0147-1								
		79.10	57.11	1143.80	101.66	443.81	303.86	58.04	264.75										
		178.69	211.34	129.82	150.44	98.18	110.19	75.21											
3802.00	Sh/Clst	63.75	31.43	17.21	72.92	7.77	149.04	186.95	108.30	593.39	0091-1								
		77.11	52.96	1247.59	121.56	498.71	343.26	64.53	284.70										
		185.78	196.91	127.82	152.11	97.45	95.44	63.57											
3829.00	Sh/Clst	53.87	20.10	12.82	58.47	5.15	120.25	160.01	56.07	505.51	0092-1								
		70.52	40.60	1069.85	103.21	471.87	330.56	62.61	265.56										
		182.05	176.04	114.96	115.88	74.24	68.80	43.42											
3847.00	Sh/Clst	39.79	16.10	8.05	39.46	4.18	85.20	107.05	23.94	337.95	0153-1								
		38.70	24.07	735.00	71.49	317.30	220.52	40.75	164.54										
		111.15	109.15	71.72	63.75	42.30	37.01	23.02											

Table 11C: Raw GCMS triterpane data (peak height) for Well NOCS 34/7-15S

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											
3874.00	Sh/Clst	22.62	10.13	6.75	20.15	2.64	45.98	64.28	15.80	154.98	0154-1								
		23.14	11.69	355.63	35.48	156.68	104.64	21.42	82.95										
		55.66	56.43	35.02	35.08	21.64	23.30	15.36											
3943.00	Sh/Clst	51.23	24.24	13.30	43.54	8.45	26.30	180.20	16.24	275.64	0157-1								
		23.24	32.87	409.67	78.57	242.58	164.98	51.69	111.41										
		71.42	50.91	32.48	28.75	18.50	15.05	9.06											
4017.00	Sh/Clst	12.20	4.77	1.68	23.14	0.00	39.64	33.11	4.97	97.57	0099-2								
		27.26	6.20	261.27	22.85	95.58	61.21	11.36	55.13										
		35.27	29.12	10.32	17.93	9.83	6.02	2.78											
4071.00	Sh/Clst	15.04	5.74	0.00	26.52	0.00	44.35	40.55	5.46	100.66	0101-2								
		34.70	6.11	272.39	22.51	99.00	66.47	10.86	58.52										
		36.68	34.31	20.23	19.46	12.07	7.16	4.28											
4142.00	Sh/Clst	23.84	12.43	4.16	28.50	2.33	80.14	29.36	9.91	90.27	0164-2								
		56.76	3.17	307.43	21.62	113.67	77.49	14.63	78.89										
		53.14	39.52	25.77	22.65	15.93	9.48	6.04											

Table 11C: Raw GCMS triterpane data (peak height) for Well NOCS 34/7-15S

Depth unit of measure: m

Depth	Lithology	p		q		r		s		t		a		b		z		c	Sample
		x		d		e		f		g		h		i		jl			
		j2		k1		k2		l1		l2		m1		m2					
4197.00	Sh/Clst	16.68	9.84	3.75	21.01	1.03	54.51	23.09	7.00	61.02	0166-3								
		45.15	0.00	189.59	12.81	74.67	48.56	8.55	51.74										
		35.80	27.53	10.23	14.55	8.46	7.14	3.18											
4269.00	Sh/Clst	11.69	4.97	0.00	31.20	0.00	37.12	29.60	6.52	60.40	0169-1								
		47.56	0.00	158.96	11.97	66.75	42.34	6.10	43.81										
		23.92	20.61	13.28	12.36	7.66	5.17	1.80											
4341.00	Sh/Clst	3.78	1.58	0.00	16.19	0.00	11.28	28.21	1.70	52.79	0111-2								
		17.96	1.90	113.53	10.43	54.42	35.57	6.38	27.77										
		16.70	11.76	6.33	6.26	4.29	2.29	1.37											
4434.00	Sh/Clst	15.74	5.43	0.00	35.80	0.00	47.61	72.24	10.33	143.11	0172-1								
		45.74	7.62	324.61	36.24	139.08	90.87	22.38	77.54										
		50.57	38.99	24.42	20.52	12.93	7.17	3.39											
4587.00	Sh/Clst	17.67	8.43	4.11	11.46	1.74	10.22	9.67	4.07	21.95	0177-1								
		12.80	2.64	36.59	1.80	14.23	9.84	1.18	8.42										
		5.87	4.84	2.43	2.58	2.00	1.75	1.28											



Table 11D: Raw GCMS sterane data (peak height) for Well NOCS 34/7-15S

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					
3450.00	Sh/Clst	99.72 105.06 54.80	36.10 71.34 53.36	167.99 92.10 53.41	109.41 67.75 39.50	43.33 35.61 72.22	41.07 41.77	68.93 51.61	44.85 48.69	80.34	0125-3
3480.00	Sh/Clst	121.73 128.51 61.49	38.03 76.37 67.38	208.71 113.64 61.97	134.83 85.95 47.37	52.26 39.94 89.81	56.59 47.73	88.75 54.53	55.61 55.88	100.80	0127-1
3510.00	Sh/Clst	133.28 103.34 65.91	46.07 64.62 62.71	181.46 108.77 72.10	113.76 77.72 44.28	43.42 13.42 79.57	43.20 49.08	83.57 60.95	56.29 55.99	96.29	0129-1
3540.00	Sh/Clst	128.81 89.76 54.47	46.81 58.03 46.27	143.11 91.78 51.93	92.14 56.15 37.23	34.46 30.40 65.49	34.56 40.79	67.52 44.73	46.08 44.13	79.13	0131-1
3570.00	Sh/Clst	151.35 117.11 65.26	53.14 66.96 64.87	168.39 106.84 66.41	108.82 74.79 46.66	43.78 40.38 89.15	46.40 46.10	84.62 53.89	52.41 52.68	95.60	0133-1

Table 11D: Raw GCMS sterane data (peak height) for Well NOCS 34/7-15S

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					
3598.00	Sh/Clst	140.84	51.56	185.41	121.71	49.55	56.20	88.28	54.63	106.14	0134-1
		141.67	76.20	110.22	92.48	35.56	48.00	56.00	52.62		
		66.67	76.28	86.26	54.73	100.90					
3625.00	Sh/Clst	164.67	65.10	226.16	144.91	58.50	61.20	98.13	62.76	118.68	0137-1
		187.63	93.49	113.58	115.07	43.29	51.05	63.03	64.31		
		65.26	96.00	120.60	74.59	122.14					
3658.00	Sh/Clst	147.77	53.54	186.18	125.74	48.69	54.48	82.20	46.89	81.21	0139-1
		151.92	80.30	73.14	88.34	34.59	34.61	52.26	49.14		
		42.02	59.16	95.06	60.58	78.64					
3685.00	Sh/Clst	179.19	67.85	201.51	128.81	54.52	54.85	86.82	51.25	86.93	0141-1
		173.91	90.67	69.15	102.13	37.31	40.59	63.36	60.05		
		42.87	67.96	100.37	72.85	79.05					
3712.00	Sh/Clst	236.18	92.78	375.80	235.39	96.22	101.06	158.88	93.85	150.28	0143-1
		320.65	176.61	120.57	188.49	74.27	74.51	112.21	115.95		
		70.02	118.06	212.32	161.32	148.04					

Table 11D: Raw GCMS sterane data (peak height) for Well NOCS 34/7-15S

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					
3739.00	Sh/Clst	204.34	80.60	315.30	196.10	82.66	79.40	129.47	80.00	114.68	0145-1
		292.31	148.69	88.50	180.06	61.15	60.28	110.58	115.20		
		56.24	101.46	205.55	137.04	125.19					
3766.00	Sh/Clst	166.32	63.60	339.71	212.84	90.25	88.48	136.75	78.41	111.86	0147-1
		322.30	143.13	90.28	205.01	69.43	52.24	97.08	102.96		
		52.82	115.48	186.37	135.94	132.97					
3802.00	Sh/Clst	137.61	55.36	254.56	169.15	68.76	71.77	101.48	61.38	78.20	0091-1
		223.85	106.01	62.83	145.17	47.14	37.99	65.98	71.36		
		36.19	94.28	131.75	102.65	96.05					
3829.00	Sh/Clst	94.99	37.03	209.72	141.64	61.77	57.52	81.23	47.91	61.77	0092-1
		216.79	77.90	40.93	137.06	50.10	28.57	47.93	53.10		
		24.22	75.51	100.68	80.85	81.18					
3847.00	Sh/Clst	64.63	23.14	119.44	74.99	32.08	30.81	42.71	24.42	33.19	0153-1
		130.49	42.64	25.90	81.19	27.69	13.98	27.12	29.49		
		12.30	44.13	55.35	46.18	42.99					

Table 11D: Raw GCMS sterane data (peak height) for Well NOCS 34/7-15S

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					
3874.00	Sh/Clst	34.02	11.53	88.99	57.38	24.89	21.29	38.00	23.41	18.32	0154-1
		97.13	29.62	13.71	65.20	22.90	6.87	16.19	21.24		
		8.12	21.60	30.57	23.94	22.51					
3943.00	Sh/Clst	24.08	9.82	30.24	18.13	7.85	8.56	14.09	8.48	15.53	0157-1
		36.05	15.98	14.49	23.09	9.25	7.48	13.04	13.24		
		7.55	18.94	23.13	16.80	27.05					
4017.00	Sh/Clst	19.94	6.18	19.07	11.54	3.46	4.27	6.24	2.80	4.50	0099-2
		23.36	6.60	2.78	13.58	4.02	0.98	3.46	3.82		
		0.95	7.36	7.42	6.54	6.12					
4071.00	Sh/Clst	21.95	7.02	16.99	10.32	3.44	3.86	6.18	3.23	4.74	0101-2
		20.66	6.71	2.26	11.52	3.29	1.38	3.46	3.88		
		0.91	7.64	7.99	6.17	5.95					
4142.00	Sh/Clst	41.08	16.00	54.68	33.69	13.42	13.63	11.89	8.42	10.13	0164-2
		43.05	14.71	5.99	26.79	8.06	4.01	8.01	8.26		
		2.97	13.59	16.88	14.49	9.61					

Table 11D: Raw GCMS sterane data (peak height) for Well NOCS 34/7-15S

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					
4197.00	Sh/Clst	37.04 36.04 2.05	15.31 13.87 10.83	39.78 13.46	24.74 3.99 11.95	9.81 19.75 7.47	9.43 7.46	9.44 3.59	6.68 6.25	8.10 8.37	0166-3
4269.00	Sh/Clst	21.96 26.28 1.80	7.13 9.07 8.31	35.28 8.80	22.03 4.48 8.01	6.81 16.72 6.15	8.04 5.43	8.17 3.01	5.39 4.51	6.87 4.57	0169-1
4341.00	Sh/Clst	8.17 11.54 0.00	2.76 3.73 3.57	9.03 3.97	6.16 0.99 4.03	2.03 6.68 3.59	2.53 1.94	3.65 0.00	2.18 2.02	2.11 2.49	0111-2
4434.00	Sh/Clst	23.93 32.40 2.03	7.89 9.74 10.20	31.54 12.07	19.39 4.02 10.41	7.62 20.35 9.37	9.01 6.57	10.95 2.64	7.06 5.09	6.83 5.36	0172-1
4587.00	Sh/Clst	17.04 7.36 1.33	5.77 4.16 2.53	7.37 5.06	4.62 2.16 3.95	1.58 4.31 3.10	2.12 1.47	3.02 1.65	2.41 2.79	3.22 2.92	0177-1