MOBIL EXPLORATION NORWAY INC.

WELL 33/9-17

RFT RESULTS

CONTRACTOR - SCHLUMBERGER

TEST No.	DEPTH mRKB	DEPTH mTVD	MUD HYDROSTATIC (psia)	FORMATION PRESSURE (psia)	FORMATION PRESSURE (kPA)	TEMP (°C)	COMMENTS RUN 2A 28th APRIL 94
1	3052.0	3049.4	6837.7	6271.1	4323.8		GOOD PERMEABILITY
2	3055.0	3052.4	6830.0	6278.1	4328.6		GOOD PERMEABILITY
3	3059.0	3056.4	6831.7	6283.4	4332.3		GOOD PERMEABILITY
4	3062.5	3059.9	6833.7	---	---		TIGHT
5	3062.8	3060.2	6831.1	6288.7	4335.9		GOOD PERMEABILITY
6	3064.5	3061.9	6829.7	6290.6	4337.2		GOOD PERMEABILITY
7	3069.5	3066.9	6838.3	6298.2	4342.5		GOOD PERMEABILITY
8	3072.5	3069.9	6839.5	6302.1	4345.1		GOOD PERMEABILITY
9	3078.0	3075.3	6849.0	6308.2	4349.4		GOOD PERMEABILITY
10	3084.5	3081.8	6863.0	6318.5	4356.5		GOOD PERMEABILITY
11	3087.0	3084.3	6862.6	6322.6	4359.3		GOOD PERMEABILITY SAMPLE
12	3092.0	3089.3	6857.3	6326.4	4361.9		GOOD PERMEABILITY
13	3098.5	3095.8	6874.3	---	---		TIGHT
14	3107.0	3104.2	6894.0	6348.0	4376.8		GOOD PERMEABILITY
15	3121.0	3118.2	6928.5	---	---		TIGHT
16	3116.4	3113.6	6911.2	6363.7	4387.6		GOOD PERMEABILITY
17	3169.5	3166.5	7049.5	---	---		SUPERCHARGED
18	3169.7	3166.7	7041.5	---	---		SUPERCHARGED
19	3173.5	3170.5	7044.5	---	---		SUPERCHARGED
20	3198.0	3194.9	7101.5	6442.7	4442.1		MODERATE PERMEABILITY
21	3205.0	3201.9	7109.5	6452.2	4448.6		MODERATE PERMEABILITY
22	3210.5	3207.4	7118.0	6460.0	4454.0		MODERATE PERMEABILITY
23	3217.5	3214.4	7136.0	6471.2	4461.7		MODERATE PERMEABILITY

SUMMARY RUN 2A	
ATTEMPTED	23
GOOD TESTS	17
DRY	3
SUPERCHARGE	3

SEGREGATED SAMPLE TAKEN AT 3087 mRKB.
2.75 gallon lower chamber drained on rig floor showed 80% Formation water and 20% filtrate.

Figure 2.13

MOBIL EXPLORATION NORWAY INC.

WELL 33/9-17

RFT SAMPLE ANALYSIS SUMMARY

MAIN RESULTS	
RFT SAMPLE No.	1
DEPTH mRKB	3087.0
CONTENTS	GAS/WATER
GAS/WATER RATIO (Sm3/m3)	2.5

GAS ANALYSIS				
Component	Wt%	mol%	Mol Wt	LNG
Nitrogen	0.00	0.00	---	---
Carbon dioxide	37.85	19.28	---	---
Methane	53.94	75.37	---	---
Ethane	5.19	3.87	---	---
Propane	2.60	1.32	---	48.60
iso-Butane	0.11	0.04	---	1.90
n-Butane	0.31	0.12	---	5.00
iso-Pentane	0.00	0.00	---	0.00
n-Pentane	0.00	0.00	---	0.00
Sum	100.00	100.00	---	55.50
AVERAGE MOLECULAR WEIGHT			22.42	
GAS GRAVITY (Air=1)			0.774	

Liquified Natural Gas as:-
m3 liquid/10 Sm3 gas

WATER ANALYSIS	
Density at 15°C (g/cc)	1.0268
Resistivity at 20°C (ohm-m)	0.2105
pH at 20°C	6.8
Total suspended solids (mg/l)	38
Total dissolved solids (mg/l)	42046.7
Sodium (mg/l)	8518
Potassium (mg/l)	9897
Calcium (mg/l)	185
Magnesium (mg/l)	71
Strontium (mg/l)	23
Barium (mg/l	4.3
Iron (mg/l)	3.4
Chloride (mg/l)	21100
Bicarbonate (mg/l)	2032
Sulfate (mg/l)	213
Carbonate (mg/l)	---
Hydroxide (mg/l)	---

CONTRACTOR:-

Schlumberger
GeoQuest

Figure 2.15

DRILLING MUD WELL SUMMARY

DFFN 46 rev 0 9/3/94

OPERATOR: MOBIL NORWAY

WELL NUMBER: 33/9-17

MUD COMPANY: ANCHOR DRILLING FLUIDS

CONTRACTOR: WILRIG

RIG: TREASURE SAGA

MUD ENGINEERS: B. HUTCHINGS, K. INDERBERG, G. SCALLON.

WATER DEPTH (ft): 746

RKB - SEABED (ft): 832

WELL TD (ft): 10607

SPUD DATE (d/mm/yy): 2-4-94

TD DATE (d/mm/yy): 26-4-94

BHT TEMP (F): 101

HOLE SIZE (in)	START DEPTH (ft)	END DEPTH (ft)	CASING SIZE (in)	CASING DEPTH (ft)	MUD TYPE (WBM/OBM)	TTL MUD COST * NOK	MAX DEV (DEG)	DAYS
9.875	832	1384	PILOT		WBM			1
36	832	997	30	997	WBM	154552.95	3	2
17.5	997	1896	13.375	1876	WBM	125203.82	0.6	1
12.25	1896	5873	9.625	5846	WBM	521003.00	1	6
8.5	5873	10607	P+A		WBM	1516626.99	5	19

TOTAL WELL MUD COST 2317386.76

(* to include Non Mud & Engineering)

TOTAL WELL - MATERIAL AND SERVICES CONSUMPTION

Total Pages :

WELL NAME :	33/9-17		TYPE OF OPERATION :	DRILLING							DFF09N rev 0 9/3/94 RP19	
PRODUCT NAME	NET UNIT SIZE (Kg)	UNIT Cost Nok	HOLE INTERVALS - NET TOTAL UNITS								TOTAL UNITS	TOTAL COST Nok
			36	17.50	12.25	8.50						
BARITE	1000	697.00	9.00		146.0	516.00					671.00	467687.00
BENTONITE	1000	2316.00	34.20	45.44	9.3	9.06					98.00	226968.00
LIME	20	50.00	10.00	4.53	0.7	6.81					22.00	1100.00
SODA ASH	25	72.50	7.90	16.39	5.8	110.91					141.00	10222.50
SPERCELL FE	25	110.00			4.2	11.76					16.00	1760.00
ANCO PHPA	25	773.00			38.9	55.10					94.00	72662.00
CELPOL REG	25	715.00			16.9	62.10					79.00	56485.00
CELPOL LV.	25	715.00			50.6	203.40					254.00	181610.00
XCD POLYMER	25	2090.00			24.4	35.60					60.00	125400.00
KCL BRINE sxs	180.5	89.82			403.3	2457.67					2861.00	256975.02
KCL sxs	25	50.00				381.00					381.00	19050.00
ANCO 208 (liters)	1	19.00			7985.0	20888.00					28873.00	548587.00
CITRIC ACID	25	360.00				22.00					22.00	7920.00
NUTPLUG	25	90.00				35.00					35.00	3150.00
DEFOAMER SB	200	3330.00				2.00					2.00	6660.00
RENAX 100	200	3800.00				4.00					4.00	15200.00
BICARB	25	130.00				35.00					35.00	4550.00
TOTAL NON MUD SYSTEM UNITS											TOTAL MATERIALS COST :	2005986.52
BENTONITE	25	80.00		30.00							30.00	2400.00
TOTAL SERVICE ENGINEERING											TOTAL NON MUD SYSTEM COST :	2400.00
MUD ENGINEER (2)	1.00	8000.00	9.5	1	6	20						
TRAINEE ENG.	1.00	1000.00			5	12						
											TOTAL ENGINEERING COST :	309000.00
OBM-BUYBACK CREDIT/TOWN :				OBM-RIG RETURN COST :							COST ADJUSTMENTS :	
											TOTAL WELL MUD COST :	2317386.52

TOTAL WELL - MATERIAL AND SERVICES CONSUMPTION

Total Pages :

WELL NAME :	33/9-17		TYPE OF OPERATION :	DRILLING							DFF09N rev 0 9/3/94 RP19	
PRODUCT NAME	NET UNIT SIZE (Kg)	UNIT Cost Nok	HOLE INTERVALS - NET TOTAL UNITS								TOTAL UNITS	TOTAL COST Nok
			36	17.50	12.25	8.50						
BARITE	1000	697.00	9.00		146.0	516.00					671.00	467687.00
BENTONITE	1000	2316.00	34.20	45.44	9.3	9.06					98.00	226968.00
LIME	20	50.00	10.00	4.53	0.7	6.81					22.00	1100.00
SODA ASH	25	72.50	7.90	16.39	5.8	110.91					141.00	10222.50
SPERCELL FE	25	110.00			4.2	11.76					16.00	1760.00
ANCO PHPA	25	773.00			38.9	55.10					94.00	72662.00
CELPOL REG	25	715.00			16.9	62.10					79.00	56485.00
CELPOL LV.	25	715.00			50.6	203.40					254.00	181610.00
XCD POLYMER	25	2090.00			24.4	35.60					60.00	125400.00
KCL BRINE sxs	180.5	89.82			403.3	2457.67					2861.00	256975.02
KCL sxs	25	50.00				381.00					381.00	19050.00
ANCO 208 (liters)	1	19.00			7985.0	20888.00					28873.00	548587.00
CITRIC ACID	25	360.00				22.00					22.00	7920.00
NUTPLUG	25	90.00				35.00					35.00	3150.00
DEFOAMER SB	200	3330.00				2.00					2.00	6660.00
RENAX 100	200	3800.00				4.00					4.00	15200.00
BICARB	25	130.00				35.00					35.00	4550.00
TOTAL NON MUD SYSTEM UNITS											TOTAL MATERIALS COST :	2005986.52
BENTONITE	25	80.00		30.00							30.00	2400.00
TOTAL SERVICE ENGINEERING											TOTAL NON MUD SYSTEM COST :	2400.00
MUD ENGINEER (2)	1.00	8000.00	9.5	1	6	20						
TRAINEE ENG.	1.00	1000.00			5	12						
											TOTAL ENGINEERING COST :	309000.00
WBM-BUYBACK Estimated Volume m3 :			210	WBM-CREDIT COST :			700				COST ADJUSTMENTS :	147000.00
											TOTAL WELL MUD COST :	2170386.52

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Geochemical Report for Well NOCS 33/9-17

Volume I

Authors: Kjell Arne Bakken
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Date : 30.06.94

BA-94-1676-1

Chapter 1

INTRODUCTION

Well NOCS 33/9-17 was analysed on behalf of Mobil Exploration Norway by authorization of Dag Isaksen.

Samples (cuttings, side-wall cores, conventional cores and oils) were supplied by Mobil and delivered to Geolab Nor's laboratory in Trondheim.

Both screening and follow-up analyses were performed. Samples for analyses were selected in agreement with Mobil Exploration on a continuous basis. The well was analysed from 600 m to 3233 m. Conventional core samples were preferred for analyses where available, and side-wall cores were preferred to cuttings samples. The results are presented in the relevant stratigraphic sections of this report. After analyses had commenced, it was reported that the depth for the core samples was originally wrong and should be corrected downwards 5.5 m. This has been done and the reported depths for the cores in this report, figures and tables are these new corrected depths.

The report is divided into chapters according to the various analytical methods used. Within the chapters the results are mainly discussed in a (descending) stratigraphic context.

1.1 General Comments

The cuttings samples were supplied unwashed in cans. The samples were analysed for headspace and occluded gas, washed, described and picked before analyses commenced. The conventional core samples were supplied as core-chips which were used after removal of any superficial contamination. The side-wall cores were cleansed of drill mud before analyses. The quality of the rock samples was good. No analytical problems were encountered.

1.2 Analytical Program

In accordance with the contract, sample availability and the screening analysis results, the following analytical program was executed for well NOCS 33/9-17 in the section from 600 m to 3233 m:

Analysis type	No of samples	Figures	Tables
Headspace and Occluded Gas	139	3a-c	1a-c
Lithology description	170	2	2
TOC and Rock-Eval pyrolysis	51	4,5a,6a,7a, 8, 9a	2,3
Quantitative GHM (S_1 and S_2), wellsite	98	5b,6b,7b,9b 14a-e,15a-d	5
Thermal Extraction and Pyrolysis GC (GHM)	12	11a-c,12a-b, 13	4
Soxhlet Extraction of organic matter	20		
MPLC/HPLC separation		16a-c	6a-d
Saturated hydrocarbon GC	20	17a-e	7
Aromatic hydrocarbon GC	20	18a-e	8a-b
Vitrinite reflectance	24	19	9
Visual kerogen microscopy	11	20,21	9,10
Isotope composition C_{15}+ fractions	13	22a-c,23a-b, 24	11a-b
GC - MS of saturated and aromatic HC	13	25a-h	12a-i
GC - MS cross-plots		26a-h	

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

Project: 33/9-17
Well: NOCS 33/9-17
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
600.00	11260	3	5	1	1	4	11270	10	0.1	1.00
680.00	21650	11	9	2	-	160	21672	22	0.1	-
760.00	12919	5	7	1	1	7	12933	14	0.1	1.00
840.00	12014	9	10	-	-	69	12033	19	0.2	-
920.00	6469	7	6	1	1	10	6484	15	0.2	1.00
1000.00	3815	31	21	4	6	70	3877	62	1.6	0.67
1080.00	958	1	1	-	-	1	960	2	0.2	-
1160.00	19718	24	20	2	2	29	19766	48	0.2	1.00
1240.00	4616	3	2	-	-	24	4621	5	0.1	-
1320.00	1731	1	2	-	-	57	1734	3	0.2	-
1400.00	999	1	2	-	-	10	1002	3	0.3	-
1480.00	603	1	1	-	-	1	605	2	0.3	-
1560.00	1012	2	1	-	-	7	1015	3	0.3	-
1640.00	1112	3	1	-	-	2	1116	4	0.4	-
1720.00	1733	13	4	1	-	31	1751	18	1.0	-
1800.00	188	2	1	-	-	5	191	3	1.6	-
1840.00	591	4	2	2	1	28	600	9	1.5	2.00
1880.00	1503	8	4	3	2	20	1520	17	1.1	1.50
1920.00	1229	5	3	2	1	20	1240	11	0.9	2.00
1960.00	1101	13	19	4	4	57	1141	40	3.5	1.00
2000.00	518	6	13	3	3	97	543	25	4.6	1.00
2040.00	758	8	9	5	3	15	783	25	3.2	1.67
2080.00	999	22	20	7	5	44	1053	54	5.1	1.40

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2120.00	433	7	9	6	4	15	459	26	5.7	1.50
2160.00	282	5	4	2	2	6	295	13	4.4	1.00
2200.00	453	5	6	2	2	19	468	15	3.2	1.00
2240.00	731	11	11	5	3	12	761	30	3.9	1.67
2280.00	736	11	11	5	3	25	766	30	3.9	1.67
2320.00	525	9	14	5	3	19	556	31	5.6	1.67
2360.00	304	8	12	5	3	30	332	28	8.4	1.67
2400.00	522	27	25	21	14	151	609	87	14.3	1.50
2440.00	108	4	7	1	2	15	122	14	11.5	0.50
2480.00	541	78	56	45	26	203	746	205	27.5	1.73
2520.00	471	26	34	22	15	78	568	97	17.1	1.47
2560.00	591	73	52	27	18	123	761	170	22.3	1.50
2600.00	341	26	32	19	15	82	433	92	21.3	1.27
2640.00	268	19	20	10	8	46	325	57	17.5	1.25
2680.00	157	9	8	2	2	9	178	21	11.8	1.00
2720.00	161	13	13	4	3	24	194	33	17.0	1.33
2760.00	208	24	21	5	5	14	263	55	20.9	1.00
2803.00	760	93	62	9	8	25	932	172	18.5	1.13
2809.00	1452	136	79	11	10	28	1688	236	14.0	1.10
2815.00	358	54	47	6	6	20	471	113	24.0	1.00
2821.00	353	52	50	7	7	18	469	116	24.7	1.00
2827.00	363	50	46	6	6	31	471	108	22.9	1.00
2833.00	532	70	66	9	11	30	688	156	22.7	0.82

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2839.00	307	51	49	7	7	75	421	114	27.1	1.00
2845.00	129	26	32	5	6	13	198	69	34.9	0.83
2851.00	124	24	28	4	4	21	184	60	32.6	1.00
2857.00	162	28	37	5	6	15	238	76	31.9	0.83
2863.00	205	35	43	5	6	17	294	89	30.3	0.83
2869.00	131	28	33	4	5	11	201	70	34.8	0.80
2875.00	222	38	43	4	7	18	314	92	29.3	0.57
2881.00	275	44	51	5	9	15	384	109	28.4	0.56
2887.00	315	50	50	5	8	19	428	113	26.4	0.63
2893.00	2506	425	537	50	98	195	3616	1110	30.7	0.51
2899.00	265	41	53	5	10	17	374	109	29.1	0.50
2905.00	377	53	76	7	15	26	528	151	28.6	0.47
2911.00	386	67	102	9	21	62	585	199	34.0	0.43
2917.00	240	43	66	6	14	21	369	129	35.0	0.43
2923.00	324	70	112	8	23	108	537	213	39.7	0.35
2929.00	528	120	199	14	41	46	902	374	41.5	0.34
2935.00	385	93	158	11	32	29	679	294	43.3	0.34
2941.00	528	115	204	14	49	70	910	382	42.0	0.29
2947.00	373	107	205	14	53	43	752	379	50.4	0.26
2953.00	511	132	237	15	61	76	956	445	46.6	0.25
2959.00	615	206	307	23	85	79	1236	621	50.2	0.27
2965.00	430	125	257	16	76	64	904	474	52.4	0.21
2971.00	368	97	199	14	66	57	744	376	50.5	0.21

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2977.00	255	83	89	12	31	43	470	215	45.7	0.39
2983.00	339	69	177	17	113	149	715	376	52.6	0.15
2989.00	269	45	90	9	51	50	464	195	42.0	0.18
2995.00	197	18	38	3	22	50	278	81	29.1	0.14
3001.00	166	14	22	2	11	15	215	49	22.8	0.18
3007.00	131	10	13	1	5	13	160	29	18.1	0.20
3013.00	242	15	20	1	8	16	286	44	15.4	0.13
3019.00	638	193	486	68	320	235	1705	1067	62.6	0.21
3022.00	944	474	957	102	440	214	2917	1973	67.6	0.23
3025.00	1599	637	1251	136	595	335	4218	2619	62.1	0.23
3028.00	592	251	612	72	332	206	1859	1267	68.2	0.22
3031.00	412	158	410	56	275	219	1311	899	68.6	0.20
3034.00	238	151	626	111	471	406	1597	1359	85.1	0.24
3037.00	465	309	1395	241	977	742	3387	2922	86.3	0.25
3040.00	898	776	3135	523	2019	1572	7351	6453	87.8	0.26
3043.00	510	259	911	178	693	595	2551	2041	80.0	0.26
3046.00	219	150	395	68	299	341	1131	912	80.6	0.23
3049.00	42	14	31	4	25	33	116	74	63.8	0.16
3052.00	147	71	189	39	175	236	621	474	76.3	0.22
3055.00	249	115	349	77	354	420	1144	895	78.2	0.22
3058.00	275	127	413	84	438	624	1337	1062	79.4	0.19
3061.00	320	141	256	41	179	212	937	617	65.9	0.23
3064.00	20	9	51	12	75	135	167	147	88.0	0.16

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3070.00	173	95	312	60	248	273	888	715	80.5	0.24
3073.00	33	12	48	11	45	92	149	116	77.9	0.24
3079.00	917	465	1635	305	1225	1192	4547	3630	79.8	0.25
3082.00	411	217	799	155	648	686	2230	1819	81.6	0.24
3088.00	452	230	729	124	528	510	2063	1611	78.1	0.23
3091.00	1313	766	2742	470	2054	1924	7345	6032	82.1	0.23
3094.00	948	503	1475	269	1102	1090	4297	3349	77.9	0.24
3097.00	409	342	991	150	579	483	2471	2062	83.5	0.26
3100.00	525	296	836	130	521	458	2308	1783	77.3	0.25
3109.00	6273	4418	9174	1005	4066	2775	24936	18663	74.8	0.25
3112.00	6067	4325	8589	1030	3930	2777	23941	17874	74.7	0.26
3115.00	6024	3779	7744	956	3614	2417	22117	16093	72.8	0.26
3118.00	3984	3142	7127	829	3222	2020	18304	14320	78.2	0.26
3121.00	3485	2970	6439	772	3005	2111	16671	13186	79.1	0.26
3127.00	3239	2511	5667	772	2864	2660	15053	11814	78.5	0.27
3130.00	4664	3829	10643	1915	7499	10869	28550	23886	83.7	0.26
3133.00	4539	2862	7321	1142	4403	4634	20267	15728	77.6	0.26
3136.00	4683	2629	7498	1265	4780	5492	20855	16172	77.5	0.26
3139.00	4439	3269	7851	1178	4335	4175	21072	16633	78.9	0.27
3142.00	2642	1936	6067	777	2846	2673	14268	11626	81.5	0.27
3145.00	3565	1937	3806	575	1962	1704	11845	8280	69.9	0.29
3148.00	4837	2007	3984	635	2124	1902	13587	8750	64.4	0.30
3151.00	5624	1714	2995	463	1458	1175	12254	6630	54.1	0.32

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3154.00	4071	1228	2177	333	1047	795	8856	4785	54.0	0.32
3157.00	10001	3148	5227	784	2613	2447	21773	11772	54.1	0.30
3160.00	4833	1553	3507	473	1573	1623	11939	7106	59.5	0.30
3163.00	5177	2206	3949	626	2176	2331	14134	8957	63.4	0.29
3166.00	3696	1692	3908	508	1769	1860	11573	7877	68.1	0.29
3169.00	2241	1123	2181	345	1235	1408	7125	4884	68.6	0.28
3172.00	2458	1108	2842	371	1439	1601	8218	5760	70.1	0.26
3175.00	2119	982	2020	357	1219	1476	6697	4578	68.4	0.29
3178.00	1850	853	1776	351	1088	1415	5918	4068	68.7	0.32
3181.00	2381	1101	2209	440	1344	1752	7475	5094	68.2	0.33
3184.00	2323	1224	2192	345	983	885	7067	4744	67.1	0.35
3187.00	2965	1175	2059	353	990	982	7542	4577	60.7	0.36
3190.00	21671	12102	24165	3993	11840	9772	73771	52100	70.6	0.34
3193.00	2591	1225	2311	398	1199	1273	7724	5133	66.5	0.33
3199.00	17510	3373	3192	632	961	822	25668	8158	31.8	0.66
3202.00	51204	8185	6491	888	1761	1237	68529	17325	25.3	0.50
3205.00	4950	1687	2095	347	749	695	9828	4878	49.6	0.46
3208.00	9262	1697	1748	266	663	599	13636	4374	32.1	0.40
3214.00	7113	1540	1886	273	746	607	11558	4445	38.5	0.37
3220.00	3818	1173	1785	291	901	875	7968	4150	52.1	0.32
3223.00	1445	496	793	130	398	364	3262	1817	55.7	0.33
3226.00	18147	3082	2521	380	772	640	24902	6755	27.1	0.49
3229.00	3545	924	1171	194	519	528	6353	2808	44.2	0.37

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3233.00	900	310	438	74	193	212	1915	1015	53.0	0.38

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

Project: 33/9-17
Well: NOCS 33/9-17
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
600.00	41	-	-	-	-	-	41	-	-	-
680.00	72	3	1	-	-	-	76	4	5.3	-
760.00	42	2	1	-	-	-	45	3	6.7	-
840.00	61	4	2	-	-	1	67	6	9.0	-
920.00	47	3	2	-	1	1	53	6	11.3	-
1000.00	58	6	3	-	1	13	68	10	14.7	-
1080.00	64	5	2	-	1	1	72	8	11.1	-
1160.00	55	3	7	-	1	5	66	11	16.7	-
1240.00	46	2	1	-	-	-	49	3	6.1	-
1320.00	22	1	2	-	-	-	25	3	12.0	-
1400.00	14	1	1	-	-	-	16	2	12.5	-
1480.00	11	1	1	-	-	-	13	2	15.4	-
1560.00	14	2	1	-	-	1	17	3	17.7	-
1640.00	28	2	1	-	-	2	31	3	9.7	-
1720.00	23	3	2	-	1	9	29	6	20.7	-
1800.00	15	2	-	-	1	5	18	3	16.7	-
1840.00	27	5	2	-	1	3	35	8	22.9	-
1880.00	49	8	5	1	2	24	65	16	24.6	0.50
1920.00	12	1	-	-	-	-	13	1	7.7	-
1960.00	20	2	1	-	-	1	23	3	13.0	-
2000.00	10	1	1	-	-	1	12	2	16.7	-
2040.00	21	3	2	-	1	4	27	6	22.2	-
2080.00	9	1	1	-	-	3	11	2	18.2	-

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2120.00	22	3	2	1	1	10	29	7	24.1	1.00
2160.00	14	2	1	-	1	5	18	4	22.2	-
2200.00	24	4	2	-	1	3	31	7	22.6	-
2240.00	20	3	2	1	1	17	27	7	25.9	1.00
2280.00	29	5	3	1	1	6	39	10	25.6	1.00
2320.00	13	2	1	-	-	2	16	3	18.8	-
2360.00	25	4	2	-	1	4	32	7	21.9	-
2400.00	30	5	4	1	2	15	42	12	28.6	0.50
2440.00	20	3	2	-	1	4	26	6	23.1	-
2480.00	31	5	4	2	3	25	45	14	31.1	0.67
2520.00	33	5	4	2	3	24	47	14	29.8	0.67
2560.00	51	8	7	4	6	88	76	25	32.9	0.67
2600.00	23	3	3	2	3	26	34	11	32.4	0.67
2640.00	24	4	3	1	2	17	34	10	29.4	0.50
2680.00	7	1	1	-	-	1	9	2	22.2	-
2720.00	12	2	1	-	1	2	16	4	25.0	-
2760.00	9	1	1	-	-	2	11	2	18.2	-
2803.00	23	4	4	1	1	3	33	10	30.3	1.00
2809.00	15	2	2	-	1	2	20	5	25.0	-
2815.00	20	3	3	1	1	3	28	8	28.6	1.00
2821.00	25	4	3	1	1	3	34	9	26.5	1.00
2827.00	34	6	5	1	2	22	48	14	29.2	0.50
2833.00	28	4	4	1	2	5	39	11	28.2	0.50

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2839.00	43	8	6	1	3	11	61	18	29.5	0.33
2845.00	11	2	3	1	1	6	18	7	38.9	1.00
2851.00	27	5	6	1	3	9	42	15	35.7	0.33
2857.00	17	3	4	1	2	6	27	10	37.0	0.50
2863.00	14	2	3	1	1	14	21	7	33.3	1.00
2869.00	17	3	5	1	3	7	29	12	41.4	0.33
2875.00	20	3	4	1	2	6	30	10	33.3	0.50
2881.00	10	2	3	-	1	4	16	6	37.5	-
2887.00	15	2	3	-	2	4	22	7	31.8	-
2893.00	16	3	4	1	2	5	26	10	38.5	0.50
2899.00	24	4	5	1	3	7	37	13	35.1	0.33
2905.00	35	7	6	1	3	9	52	17	32.7	0.33
2911.00	28	5	5	1	3	7	42	14	33.3	0.33
2917.00	32	6	7	1	4	10	50	18	36.0	0.25
2923.00	32	6	8	1	5	10	52	20	38.5	0.20
2929.00	38	7	10	1	7	13	63	25	39.7	0.14
2935.00	36	7	12	2	9	37	66	30	45.5	0.22
2941.00	48	9	15	2	12	24	86	38	44.2	0.17
2947.00	49	9	18	3	15	54	94	45	47.9	0.20
2953.00	43	9	20	3	18	28	93	50	53.8	0.17
2959.00	47	8	22	3	23	29	103	56	54.4	0.13
2965.00	35	7	19	2	18	22	81	46	56.8	0.11
2971.00	41	6	10	1	9	15	67	26	38.8	0.11

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2977.00	32	5	4	-	4	9	45	13	28.9	-
2983.00	44	7	7	1	8	13	67	23	34.3	0.13
2989.00	36	5	4	1	4	25	50	14	28.0	0.25
2995.00	22	3	2	-	1	4	28	6	21.4	-
3001.00	9	1	1	-	1	1	12	3	25.0	-
3007.00	15	2	1	-	-	-	18	3	16.7	-
3013.00	16	2	1	-	-	1	19	3	15.8	-
3019.00	16	3	4	1	6	7	30	14	46.7	0.17
3022.00	32	9	46	12	81	52	180	148	82.2	0.15
3025.00	41	14	70	15	105	65	245	204	83.3	0.14
3028.00	39	11	44	11	85	78	190	151	79.5	0.13
3031.00	27	6	24	6	44	41	107	80	74.8	0.14
3034.00	31	11	131	50	294	489	517	486	94.0	0.17
3037.00	45	24	312	112	628	746	1121	1076	96.0	0.18
3040.00	53	51	670	238	1187	1045	2199	2146	97.6	0.20
3043.00	44	34	398	172	902	1262	1550	1506	97.2	0.19
3046.00	37	45	343	95	533	879	1053	1016	96.5	0.18
3049.00	37	4	23	8	49	233	121	84	69.4	0.16
3052.00	32	14	137	48	277	756	508	476	93.7	0.17
3055.00	45	12	98	45	254	1289	454	409	90.1	0.18
3058.00	48	6	31	14	97	462	196	148	75.5	0.14
3061.00	33	16	127	34	207	459	417	384	92.1	0.16
3064.00	75	9	35	14	90	379	223	148	66.4	0.16

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3070.00	32	28	301	103	574	902	1038	1006	96.9	0.18
3073.00	59	9	83	37	230	796	418	359	85.9	0.16
3079.00	49	60	749	300	1582	2475	2740	2691	98.2	0.19
3082.00	49	40	456	186	1015	2001	1746	1697	97.2	0.18
3088.00	62	36	337	96	580	1208	1111	1049	94.4	0.17
3091.00	62	25	417	224	1150	2049	1878	1816	96.7	0.19
3094.00	68	49	492	191	974	1345	1774	1706	96.2	0.20
3097.00	57	121	1213	421	2025	2020	3837	3780	98.5	0.21
3100.00	67	29	270	110	620	1142	1096	1029	93.9	0.18
3109.00	87	340	2646	707	2953	1196	6733	6646	98.7	0.24
3112.00	115	458	3343	876	3731	1500	8523	8408	98.7	0.23
3115.00	62	217	1846	536	2413	1337	5074	5012	98.8	0.22
3118.00	71	325	2442	640	2893	1498	6371	6300	98.9	0.22
3121.00	133	346	2209	597	2528	2797	5813	5680	97.7	0.24
3127.00	55	210	1769	583	2470	1731	5087	5032	98.9	0.24
3130.00	50	203	1818	618	2612	1852	5301	5251	99.1	0.24
3133.00	57	189	1879	709	2924	2255	5758	5701	99.0	0.24
3136.00	62	159	1807	787	3272	2844	6087	6025	99.0	0.24
3139.00	71	276	2573	949	3982	3484	7851	7780	99.1	0.24
3142.00	87	338	3089	1071	4429	3303	9014	8927	99.0	0.24
3145.00	132	441	2980	948	3808	2657	8309	8177	98.4	0.25
3148.00	204	495	2990	951	3787	2642	8427	8223	97.6	0.25
3151.00	358	643	3110	926	3427	2126	8464	8106	95.8	0.27

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3154.00	274	436	2175	693	2735	2263	6313	6039	95.7	0.25
3157.00	229	401	1945	598	2208	1429	5381	5152	95.7	0.27
3160.00	149	237	1202	404	1599	1577	3591	3442	95.9	0.25
3163.00	104	192	1096	364	1497	1474	3253	3149	96.8	0.24
3166.00	91	157	884	315	1284	1486	2731	2640	96.7	0.25
3169.00	100	164	950	338	1386	1844	2938	2838	96.6	0.24
3172.00	72	81	565	247	982	2545	1947	1875	96.3	0.25
3175.00	80	86	638	298	1118	3068	2220	2140	96.4	0.27
3178.00	52	34	252	119	478	762	935	883	94.4	0.25
3181.00	51	51	359	164	616	894	1241	1190	95.9	0.27
3184.00	45	57	378	152	561	544	1193	1148	96.2	0.27
3187.00	49	65	396	134	496	434	1140	1091	95.7	0.27
3190.00	64	90	635	246	943	1029	1978	1914	96.8	0.26
3193.00	70	95	568	196	750	942	1679	1609	95.8	0.26
3199.00	5670	4824	7188	1623	3296	1419	22601	16931	74.9	0.49
3202.00	3337	3982	7704	1919	4055	1970	20997	17660	84.1	0.47
3205.00	1499	2186	4997	1299	3149	1904	13130	11631	88.6	0.41
3208.00	969	1421	3627	928	2444	1512	9389	8420	89.7	0.38
3214.00	436	794	2923	868	2439	1631	7460	7024	94.2	0.36
3220.00	200	438	2137	707	2151	1757	5633	5433	96.5	0.33
3223.00	92	146	789	270	966	981	2263	2171	95.9	0.28
3226.00	2935	3451	6821	1706	3664	1738	18577	15642	84.2	0.47
3229.00	209	329	1121	291	939	945	2889	2680	92.8	0.31

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3233.00	135	131	590	194	632	948	1682	1547	92.0	0.31

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

Project: 33/9-17
Well: NOCS 33/9-17
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
600.00	11301	3	5	1	1	4	11311	10	0.1	1.00
680.00	21722	14	10	2	-	160	21748	26	0.1	-
760.00	12961	7	8	1	1	7	12978	17	0.1	1.00
840.00	12075	13	12	-	-	70	12100	25	0.2	-
920.00	6516	10	8	1	2	11	6537	21	0.3	0.50
1000.00	3873	37	24	4	7	83	3945	72	1.8	0.57
1080.00	1022	6	3	-	1	2	1032	10	1.0	-
1160.00	19773	27	27	2	3	34	19832	59	0.3	0.67
1240.00	4662	5	3	-	-	24	4670	8	0.2	-
1320.00	1753	2	4	-	-	57	1759	6	0.3	-
1400.00	1013	2	3	-	-	10	1018	5	0.5	-
1480.00	614	2	2	-	-	1	618	4	0.7	-
1560.00	1026	4	2	-	-	8	1032	6	0.6	-
1640.00	1140	5	2	-	-	4	1147	7	0.6	-
1720.00	1756	16	6	1	1	40	1780	24	1.4	1.00
1800.00	203	4	1	-	1	10	209	6	2.9	-
1840.00	618	9	4	2	2	31	635	17	2.7	1.00
1880.00	1552	16	9	4	4	44	1585	33	2.1	1.00
1920.00	1241	6	3	2	1	20	1253	12	1.0	2.00
1960.00	1121	15	20	4	4	58	1164	43	3.7	1.00
2000.00	528	7	14	3	3	98	555	27	4.9	1.00
2040.00	779	11	11	5	4	19	810	31	3.8	1.25

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2080.00	1008	23	21	7	5	47	1064	56	5.3	1.40
2120.00	455	10	11	7	5	25	488	33	6.8	1.40
2160.00	296	7	5	2	3	11	313	17	5.4	0.67
2200.00	477	9	8	2	3	22	499	22	4.4	0.67
2240.00	751	14	13	6	4	29	788	37	4.7	1.50
2280.00	765	16	14	6	4	31	805	40	5.0	1.50
2320.00	538	11	15	5	3	21	572	34	5.9	1.67
2360.00	329	12	14	5	4	34	364	35	9.6	1.25
2400.00	552	32	29	22	16	166	651	99	15.2	1.38
2440.00	128	7	9	1	3	19	148	20	13.5	0.33
2480.00	572	83	60	47	29	228	791	219	27.7	1.62
2520.00	504	31	38	24	18	102	615	111	18.1	1.33
2560.00	642	81	59	31	24	211	837	195	23.3	1.29
2600.00	364	29	35	21	18	108	467	103	22.1	1.17
2640.00	292	23	23	11	10	63	359	67	18.7	1.10
2680.00	164	10	9	2	2	10	187	23	12.3	1.00
2720.00	173	15	14	4	4	26	210	37	17.6	1.00
2760.00	217	25	22	5	5	16	274	57	20.8	1.00
2803.00	783	97	66	10	9	28	965	182	18.9	1.11
2809.00	1467	138	81	11	11	30	1708	241	14.1	1.00
2815.00	378	57	50	7	7	23	499	121	24.3	1.00
2821.00	378	56	53	8	8	21	503	125	24.9	1.00

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2827.00	397	56	51	7	8	53	519	122	23.5	0.88
2833.00	560	74	70	10	13	35	727	167	23.0	0.77
2839.00	350	59	55	8	10	86	482	132	27.4	0.80
2845.00	140	28	35	6	7	19	216	76	35.2	0.86
2851.00	151	29	34	5	7	30	226	75	33.2	0.71
2857.00	179	31	41	6	8	21	265	86	32.5	0.75
2863.00	219	37	46	6	7	31	315	96	30.5	0.86
2869.00	148	31	38	5	8	18	230	82	35.7	0.63
2875.00	242	41	47	5	9	24	344	102	29.7	0.56
2881.00	285	46	54	5	10	19	400	115	28.8	0.50
2887.00	330	52	53	5	10	23	450	120	26.7	0.50
2893.00	2522	428	541	51	100	200	3642	1120	30.8	0.51
2899.00	289	45	58	6	13	24	411	122	29.7	0.46
2905.00	412	60	82	8	18	35	580	168	29.0	0.44
2911.00	414	72	107	10	24	69	627	213	34.0	0.42
2917.00	272	49	73	7	18	31	419	147	35.1	0.39
2923.00	356	76	120	9	28	118	589	233	39.6	0.32
2929.00	566	127	209	15	48	59	965	399	41.4	0.31
2935.00	421	100	170	13	41	66	745	324	43.5	0.32
2941.00	576	124	219	16	61	94	996	420	42.2	0.26
2947.00	422	116	223	17	68	97	846	424	50.1	0.25
2953.00	554	141	257	18	79	104	1049	495	47.2	0.23

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

Project: 33/9-17
Well: NOCS 33/9-17
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
2959.00	662	214	329	26	108	108	1339	677	50.6	0.24
2965.00	465	132	276	18	94	86	985	520	52.8	0.19
2971.00	409	103	209	15	75	72	811	402	49.6	0.20
2977.00	287	88	93	12	35	52	515	228	44.3	0.34
2983.00	383	76	134	18	121	162	782	399	51.0	0.15
2989.00	305	50	94	10	55	75	514	209	40.7	0.18
2995.00	219	21	40	3	23	54	306	87	28.4	0.13
3001.00	175	15	23	2	12	16	227	52	22.9	0.17
3007.00	146	12	14	1	5	13	178	32	18.0	0.20
3013.00	258	17	21	1	8	17	305	47	15.4	0.13
3019.00	654	196	490	69	326	242	1735	1081	62.3	0.21
3022.00	976	483	1003	114	521	266	3097.	2121	68.5	0.22
3025.00	1640	651	1321	151	700	400	4463	2823	63.3	0.22
3028.00	631	262	656	83	417	284	2049	1418	69.2	0.20
3031.00	439	164	434	62	319	260	1418	979	69.0	0.19
3034.00	269	162	757	161	765	895	2114	1845	87.3	0.21
3037.00	510	333	1707	353	1605	1488	4508	3998	88.7	0.22
3040.00	951	827	3805	761	3206	2617	9550	8599	90.0	0.24
3043.00	554	293	1309	350	1595	1857	4101	3547	86.5	0.22
3046.00	256	195	738	163	832	1220	2184	1928	88.3	0.20
3049.00	79	18	54	12	74	266	237	158	66.7	0.16
3052.00	179	85	326	87	452	992	1129	950	84.2	0.19

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3055.00	294	127	447	122	608	1709	1598	1304	81.6	0.20
3058.00	323	133	444	98	535	1086	1533	1210	78.9	0.18
3061.00	353	157	383	75	386	671	1354	1001	73.9	0.19
3064.00	95	18	86	26	165	514	390	295	75.6	0.16
3070.00	205	123	613	163	822	1175	1926	1721	89.4	0.20
3073.00	92	21	131	48	275	888	567	475	83.8	0.17
3079.00	966	525	2384	605	2807	3667	7287	6321	86.7	0.22
3082.00	460	257	1255	341	1663	2687	3976	3516	88.4	0.21
3088.00	514	266	1066	220	1108	1718	3174	2660	83.8	0.20
3091.00	1375	791	3159	694	3204	3973	9223	7848	85.1	0.22
3094.00	1016	552	1967	460	2076	2435	6071	5055	83.3	0.22
3097.00	466	463	2204	571	2604	2503	6308	5842	92.6	0.22
3100.00	592	325	1106	240	1141	1600	3404	2812	82.6	0.21
3109.00	6360	4758	11820	1712	7019	3971	31669	25309	79.9	0.24
3112.00	6182	4783	11932	1906	7661	4277	32464	26282	81.0	0.25
3115.00	6086	3996	9590	1492	6027	3754	27191	21105	77.6	0.25
3118.00	4055	3467	9569	1469	6115	3518	24675	20620	83.6	0.24
3121.00	3618	3316	8648	1369	5533	4908	22484	18866	83.9	0.25
3127.00	3294	2721	7436	1355	5334	4391	20140	16846	83.6	0.25
3130.00	4714	4032	12461	2533	10111	12721	33851	29137	86.1	0.25
3133.00	4596	3051	9200	1851	7327	6889	26025	21429	82.3	0.25
3136.00	4745	2788	9305	2052	8052	8336	26942	22197	82.4	0.25

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3139.00	4510	3545	10424	2127	8317	7659	28923	24413	84.4	0.26
3142.00	2729	2274	9156	1848	7275	5976	23282	20553	88.3	0.25
3145.00	3697	2378	6786	1523	5770	4361	20154	16457	81.7	0.26
3148.00	5041	2502	6974	1586	5911	4544	22014	16973	77.1	0.27
3151.00	5982	2357	6105	1389	4885	3301	20718	14736	71.1	0.28
3154.00	4345	1664	4352	1026	3782	3058	15169	10824	71.4	0.27
3157.00	10230	3549	7172	1382	4821	3876	27154	16924	62.3	0.29
3160.00	4982	1790	4709	877	3172	3200	15530	10548	67.9	0.28
3163.00	5281	2398	5045	990	3673	3805	17387	12106	69.6	0.27
3166.00	3787	1849	4792	823	3053	3346	14304	10517	73.5	0.27
3169.00	2341	1287	3131	683	2621	3252	10063	7722	76.7	0.26
3172.00	2530	1189	3407	618	2421	4146	10165	7635	75.1	0.26
3175.00	2199	1068	2658	655	2337	4544	8917	6718	75.3	0.28
3178.00	1902	887	2028	470	1566	2177	6853	4951	72.3	0.30
3181.00	2432	1152	2568	604	1960	2646	8716	6284	72.1	0.31
3184.00	2368	1281	2570	497	1544	1429	8260	5892	71.3	0.32
3187.00	3014	1240	2455	487	1486	1416	8682	5668	65.3	0.33
3190.00	21735	12192	24800	4239	12783	10801	75749	54014	71.3	0.33
3193.00	2661	1320	2879	594	1949	2215	9403	6742	71.7	0.30
3199.00	23180	8197	10380	2255	4257	2241	48269	25089	52.0	0.53
3202.00	54541	12167	14195	2807	5816	3207	89526	34985	39.1	0.48
3205.00	6449	3873	7092	1646	3898	2599	22958	16509	71.9	0.42

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

Project: 33/9-17
Well: NOCS 33/9-17
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
3208.00	10231	3118	5375	1194	3107	2111	23025	12794	55.6	0.38
3214.00	7549	2334	4809	1141	3185	2238	19018	11469	60.3	0.36
3220.00	4018	1611	3922	998	3052	2632	13601	9583	70.5	0.33
3223.00	1537	642	1582	400	1364	1345	5525	3988	72.2	0.29
3226.00	21082	6533	9342	2086	4436	2378	43479	22397	51.5	0.47
3229.00	3754	1253	2292	485	1458	1473	9242	5488	59.4	0.33
3233.00	1035	441	1028	268	825	1160	3597	2562	71.2	0.32

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
600.00								0068
			100	Marl		: lt gy, slt		0068-1L
680.00								0069
			100	S/Sst		: w to gy w, f, crs, l, fos		0069-1L
			tr	Coal		: blk		0069-2L
760.00								0070
			60	S/Sst		: w to gy w, f, crs, l, fos		0070-1L
			40	Sltst		: lt gy, calc, cly, pyr		0070-2L
			tr	Coal		: blk		0070-3L
840.00								0071
			90	Sltst		: lt gy, calc, cly, pyr		0071-1L
			10	S/Sst		: w to gy w, f, l		0071-2L
			tr	Coal		: blk		0071-3L
920.00								0072
			90	Sltst		: lt gy, calc, cly, pyr		0072-1L
			10	S/Sst		: w to gy w, f, l		0072-2L
1000.00								0073
			75	S/Sst		: w to gy w, f, crs, l, fos		0073-1L
			25	Sltst		: lt gy, calc, cly		0073-2L
			tr	Coal		: blk		0073-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
1080.00								0074
			65	S/Sst		: w to gy w, f, crs, l		0074-1L
			35	Other		: dsk bl gn to dsk y gn, glauc, f, crs, fos		0074-2L
			tr	Sltst		: lt gy, calc, cly		0074-3L
1160.00								0075
			100	Sh/Clst		: ol gy		0075-1L
1240.00								0076
			100	Sh/Clst		: lt ol gy		0076-1L
1320.00								0077
			100	Sh/Clst		: lt ol gy		0077-1L
1400.00								0078
			100	Sh/Clst		: lt ol gy		0078-1L
1480.00								0079
			100	Sh/Clst		: lt ol gy		0079-1L
1560.00								0080
			100	Sh/Clst		: lt ol gy		0080-1L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
1640.00								0081
			100			Sh/Clst: lt ol gy to lt gy to ol gy		0081-1L
1720.00								0082
			100			Sh/Clst: lt ol gy to lt gy to ol gy		0082-1L
1800.00								0083
			90			Sh/Clst: lt gy, calc, slt		0083-1L
			10			Cont : dd		0083-2L
1826.00	swc							0001
		0.22	100			Sh/Clst: ol gy		0001-1L
1840.00								0103
			100			Sh/Clst: gn gy to m gy, slt		0103-1L
			tr			Cont : prp, dd		0103-2L
1852.50	swc							0002
			100			Sh/Clst: ol gy		0002-1L
1866.00	swc							0003
			100			Sh/Clst: ol gy to drk gy		0003-1L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
1880.00								0104	
			100	Sh/Clst				0104-1L	m gy, slt
			tr	Cont				0104-2L	: prp, dd
			tr	Ca				0104-3L	: gy w to lt gy, f
1904.50	swc							0004	
			100	Sh/Clst				0004-1L	ol gy
1920.00								0105	
			100	Sh/Clst				0105-1L	m gy to gn gy, slt, glauc
			tr	Cont				0105-2L	: prp, dd
			tr	Sh/Clst				0105-3L	red brn to gy brn, slt, glauc
1960.00								0106	
			50	Sh/Clst				0106-1L	m gy to gn gy to lt gy, slt, glauc
			40	S/Sst				0106-2L	: w to gy w, f, crs, l
			10	Cont				0106-3L	: prp
1986.00	swc							0005	
		0.63	100	Sh/Clst				0005-1L	m gy
2000.00								0107	
			90	Sh/Clst				0107-1L	m gy to lt gy, slt, glauc
			5	S/Sst				0107-2L	: w, f, l
			5	Cont				0107-3L	: prp

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2040.00							0108
		95	Sh/Clst:	m gy to lt gy, slt, pyr, glauc			0108-1L
		5	Cont :	prp			0108-2L
2080.00							0109
		90	Sh/Clst:	m gy to lt gy, slt, pyr, glauc			0109-1L
		5	S/Sst :	w to gy w, f, l			0109-2L
		5	Cont :	prp			0109-3L
2083.00	swc						0006
	0.47	100	Sh/Clst:	ol gy			0006-1L
2120.00							0110
		100	Sh/Clst:	m gy to lt gy, slt, pyr, glauc			0110-1L
		tr	Cont :	prp			0110-2L
2160.00							0111
		95	Sh/Clst:	m gy to lt gy, slt, pyr, glauc			0111-1L
		5	Cont :	prp, dd			0111-2L
2200.00							0112
	0.63	95	Sh/Clst:	m gy to lt gy, slt, pyr, glauc			0112-1L
		5	Cont :	prp, dd			0112-2L
2240.00							0113
		100	Sh/Clst:	m gy to lt gy, slt, pyr			0113-1L
		tr	Sh/Clst:	gy brn to red brn, slt			0113-2L
		tr	Cont :	prp			0113-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2280.00								0114
			100			Sh/Clst: m gy to lt gy, slt, pyr		0114-1L
			tr			Cont : prp		0114-2L
2320.00								0115
			100			Sh/Clst: m gy to lt gy, slt, pyr		0115-1L
			tr			Sltst : gy w		0115-2L
			tr			Cont : prp, dd		0115-3L
2360.00								0116
			95			Sh/Clst: m gy to lt gy, slt, pyr		0116-1L
			5			Sltst : gy w, glauc		0116-2L
			tr			Cont : prp, dd		0116-3L
2400.00								0117
			75			Sh/Clst: m gy to lt gy, slt, pyr		0117-1L
			25			Sltst : gy w, glauc		0117-2L
			tr			Cont : prp, dd		0117-3L
2440.00								0118
			95			Cont : ns		0118-1L
			5			Sh/Clst: lt gy, slt		0118-2L
2480.00								0119
			45			Sh/Clst: lt gy to m gy, slt		0119-1L
			45			Cont : ns, prp		0119-2L
			10			Sltst : gy w, glauc		0119-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2520.00								0120
			70			Sh/Clst: lt gy to m gy, slt		0120-1L
			25			Sltst : gy w, s, glauc		0120-2L
			5			Cont : ns, prp		0120-3L
2546.00		swc						0007
			100			Sh/Clst: m gy, s		0007-1L
2560.00								0121
			75			Sh/Clst: lt gy to m gy, slt		0121-1L
			15			Sltst : gy w, s, glauc		0121-2L
			10			Cont : ns, prp		0121-3L
			tr			Sh/Clst: gy brn to red brn, slt		0121-4L
2600.00								0122
			65			Sh/Clst: lt gy to m gy, slt		0122-1L
			25			Sltst : gy w, s		0122-2L
			10			Cont : prp, ns		0122-3L
2640.00								0123
			85			Sh/Clst: m gy to lt gy, slt		0123-1L
			10			Sltst : gy w, calc, s, glauc		0123-2L
			5			Cont : prp		0123-3L
2680.00								0124
			95			Sh/Clst: m gy to lt gy, slt		0124-1L
			5			Cont : prp, ns		0124-2L
			tr			Sltst : gy w to lt gy, s		0124-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	Type %	Grp	Frm	Age / Lithology description	Trb	Sample
2720.00								0125
			100			Sh/Clst: m gy to lt gy, slt		0125-1L
			tr			Cont : prp, ns		0125-2L
			tr			Sltst : gy w to lt gy, s		0125-3L
2760.00								0126
			95			Sh/Clst: m gy to lt gy, slt		0126-1L
			5			Cont : prp, ns		0126-2L
			tr			Sltst : gy w to lt gy, s		0126-3L
2803.00								0127
			90			Sh/Clst: m gy to lt gy, calc, slt		0127-1L
			5			Cont : prp, ns		0127-2L
			5			Sltst : gy w to lt gy, s, glauc		0127-3L
2809.00								0128
			90			Sh/Clst: lt gy to m gy, calc, slt		0128-1L
			10			Cont : prp, dd		0128-2L
			tr			Sltst : gy w to lt gy, s, glauc		0128-3L
2815.00								0129
			100			Sh/Clst: m gy to lt gy, calc, slt		0129-1L
			tr			Cont : prp, dd		0129-2L
			tr			Ca : gy w, f		0129-3L
2821.00								0130
			100			Sh/Clst: m gy to lt gy, calc, slt		0130-1L
			tr			Cont : prp		0130-2L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2827.00							0131
		100	Sh/Clst:		m gy to lt gy, calc, slt		0131-1L
		tr	Cont	:	prp		0131-2L
2833.00							0132
		100	Sh/Clst:		m gy to lt gy, calc, slt		0132-1L
		tr	Cont	:	prp		0132-2L
2839.00							0133
		100	Sh/Clst:		m gy to lt gy, calc, slt		0133-1L
		tr	Sltst	:	lt gy to gy w, s, glauc		0133-2L
		tr	Cont	:	prp, ns		0133-3L
2845.00							0134
		100	Sh/Clst:		m gy to lt gy, calc, slt		0134-1L
		tr	Sltst	:	lt gy to gy w, s, glauc		0134-2L
		tr	Cont	:	prp, ns		0134-3L
2851.00							0135
		100	Sh/Clst:		m gy to drk gy to lt gy, calc, slt		0135-1L
		tr	Sltst	:	lt gy to gy w, s, glauc		0135-2L
		tr	Cont	:	prp, ns		0135-3L
2857.00							0136
		100	Sh/Clst:		m gy to drk gy to lt gy, calc, slt		0136-1L
		tr	Sltst	:	lt gy to gy w, s, glauc		0136-2L
		tr	Cont	:	prp, ns		0136-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2863.00							0137
		100	Sh/Clst:		m gy to drk gy to lt gy, calc, slt		0137-1L
		tr	Sltst	:	lt gy to gy w, s, glauc		0137-2L
		tr	Cont	:	prp, ns		0137-3L
2869.00							0138
		65	Sh/Clst:		m gy to drk gy, calc, slt		0138-1L
		35	Ca	:	gy w to lt gy, f, cly, slt		0138-2L
		tr	Cont	:	prp, ns		0138-3L
2875.00							0139
		95	Sh/Clst:		m gy to drk gy, calc, slt		0139-1L
		5	Ca	:	gy w to lt gy, f, cly, slt		0139-2L
		tr	Cont	:	prp, ns		0139-3L
2881.00							0140
		90	Sh/Clst:		m gy to drk gy, calc, slt		0140-1L
		5	Ca	:	gy w to lt gy, f, cly, slt		0140-2L
		5	Cont	:	prp, ns		0140-3L
2887.00							0141
		90	Sh/Clst:		m gy to drk gy, calc, slt		0141-1L
		5	Ca	:	gy w to lt gy, f, cly, slt		0141-2L
		5	Cont	:	prp, ns, bar		0141-3L
2893.00							0142
		95	Sh/Clst:		m gy to drk gy, calc, slt		0142-1L
		5	Cont	:	prp, ns, bar		0142-2L
		tr	Ca	:	gy w to lt gy, cly, f		0142-3L

Table 2 : Lithology description for well NOCS 33/9-17.

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample / Lithology description
2899.00								0143
			100	Sh/Clst:		m gy to drk gy, calc, slt		0143-1L
			tr	Cont	:	prp, ns, bar		0143-2L
			tr	Ca	:	gy w to lt gy, cly, f		0143-3L
2905.00								0144
			95	Sh/Clst:		m gy to drk gy, calc, slt		0144-1L
			5	Cont	:	prp, ns		0144-2L
			tr	Ca	:	gy w to lt gy, cly, f		0144-3L
2911.00								0145
			100	Sh/Clst:		m gy to drk gy, calc, slt		0145-1L
			tr	Cont	:	prp, ns		0145-2L
			tr	Ca	:	gy w to lt gy, cly, f		0145-3L
2917.00								0146
			100	Sh/Clst:		m gy to drk gy to gy blk, calc, slt		0146-1L
			tr	Cont	:	prp, ns		0146-2L
			tr	Ca	:	gy w to lt gy, cly, f		0146-3L
2923.00								0147
			100	Sh/Clst:		m gy to drk gy to gy blk, calc, slt		0147-1L
			tr	Cont	:	prp, ns		0147-2L
			tr	Ca	:	gy w to lt gy, cly, f		0147-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2929.00								0148
			100			Sh/Clst: m gy to drk gy, calc, slt		0148-1L
			tr			Cont : prp, ns		0148-2L
			tr			Ca : gy w to lt gy, cly, f		0148-3L
2935.00								0149
			100			Sh/Clst: m gy to drk gy, calc, slt		0149-1L
			tr			Cont : prp, ns		0149-2L
			tr			Ca : gy w to lt gy, cly, f		0149-3L
2941.00								0150
			100			Sh/Clst: m gy to drk gy, calc, slt		0150-1L
			tr			Cont : prp, ns		0150-2L
			tr			Ca : gy w to lt gy, cly, f		0150-3L
2947.00								0151
			100			Sh/Clst: m gy to drk gy, calc, slt		0151-1L
			tr			Cont : prp, ns		0151-2L
			tr			Ca : gy w to lt gy, cly, f		0151-3L
2953.00								0152
			100			Sh/Clst: m gy to drk gy, calc, slt		0152-1L
			tr			Cont : prp, ns		0152-2L
			tr			Ca : gy w to lt gy, cly, f		0152-3L
2959.00								0153
			100			Sh/Clst: m gy to drk gy, calc, slt		0153-1L
			tr			Cont : prp, ns		0153-2L
			tr			Ca : gy w to lt gy, cly, f		0153-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2965.00							0154
		100	Sh/Clst	:	m gy to drk gy, calc, slt		0154-1L
		tr	Cont	:	prp, ns		0154-2L
		tr	Ca	:	gy w to lt gy, cly, f		0154-3L
2971.00							0155
		60	Sh/Clst	:	m gy to drk gy, calc, slt, glauc		0155-1L
		30	Sh/Clst	:	gy brn to red brn, slt		0155-2L
		5	Cont	:	prp		0155-3L
		5	Sltst	:	lt gy, glauc		0155-4L
2971.50	swc						0008
		100	Sh/Clst	:	gy red		0008-1L
2977.00							0156
		45	Sh/Clst	:	m gy to drk gy, calc, slt, glauc		0156-1L
		35	Sh/Clst	:	gy brn to red brn, slt		0156-2L
		15	Cont	:	prp, bar		0156-3L
		5	Sltst	:	lt gy, glauc		0156-4L
2983.00							0032
	0.43	90	Sh/Clst	:	m gy to drk gy to lt gy, slt, calc		0032-1L
		10	Sh/Clst	:	gy brn, slt		0032-2L
		tr	Cont	:	prp		0032-3L
2989.00							0033
		85	Sh/Clst	:	lt gy to m gy to drk gy, slt, calc		0033-1L
		10	Sh/Clst	:	gy brn, slt		0033-2L
		5	Cont	:	prp		0033-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2995.00							0034
		65	Sh/Clst: red brn to gy brn, slt				0034-1L
		30	Sh/Clst: lt gy to m gy, calc, slt				0034-2L
		5	Cont : prp				0034-3L
		tr	Coal : blk				0034-4L
3001.00							0035
		50	Sh/Clst: red brn to gy brn, slt				0035-1L
		45	Sh/Clst: lt gy to m gy, calc, slt				0035-2L
		5	Cont : prp				0035-3L
3002.50	swc						0009
		100	Sh/Clst: m gy				0009-1L
3005.00	swc						0010
		100	Sh/Clst: red brn				0010-1L
3007.00							0036
		90	Sh/Clst: red brn to gy brn, slt				0036-1L
		10	Sh/Clst: lt gy to m gy, calc, slt				0036-2L
		tr	Cont : prp				0036-3L
		tr	Sltst : lt gy				0036-4L
3013.00							0037
		90	Sh/Clst: red brn to gy brn, slt				0037-1L
		5	Sh/Clst: lt gy to m gy, calc, slt				0037-2L
		5	Cont : prp				0037-3L

Table 2 : Lithology description for well NOCS 33/9-17.

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3018.00	swc						0011
		100	Sh/Clst:		red brn		0011-1L
3019.00							0038
		80	Sh/Clst:		red brn to gy brn, slt		0038-1L
		10	Sh/Clst:		drk gy to m gy to lt gy, calc, slt		0038-2L
		10	Cont	:	prp		0038-3L
		tr	Sltst	:	lt gy		0038-4L
3022.00	swc						0012
	0.75	100	Sh/Clst:		dsk y brn		0012-1L
3022.00							0039
		70	Sh/Clst:		red brn to gy brn, slt		0039-1L
		25	Sh/Clst:		drk gy to m gy to lt gy, calc, slt		0039-2L
		5	Cont	:	prp		0039-3L
		tr	Sltst	:	lt gy		0039-4L
3025.00							0040
		55	Sh/Clst:		drk gy to m gy to lt gy, calc, slt		0040-1L
		35	Sh/Clst:		brn gy to red brn, slt		0040-2L
		10	Cont	:	prp		0040-3L
3026.00	swc						0013
	2.49	100	Sh/Clst:		gy blk		0013-1L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
3027.50		swc						0014
		2.57	100	Sh/Clst:		gy blk		0014-1L
3028.00								0041
		1.16	45	Sh/Clst:		drk gy to gy blk to m gy to lt gy, calc, slt		0041-1L
			45	Sh/Clst:		brn gy to red brn, slt		0041-2L
			10	Ca	:	w to gy w, f		0041-3L
			tr	Sltst	:	lt gy		0041-4L
			tr	Cont	:	prp		0041-5L
3031.00								0042
			85	Ca	:	gy w to w, cly, f, pyr		0042-1L
			10	Sh/Clst:		gy blk to drk gy to lt gy, slt, calc		0042-2L
			5	Sh/Clst:		red brn to brn gy, slt, calc		0042-3L
			tr	Cont	:	prp		0042-4L
3034.00								0043
			60	Ca	:	gy w to w, cly, f, pyr		0043-1L
		1.98	30	Sh/Clst:		drk gy to m gy to lt gy, slt, calc		0043-2L
			5	Sh/Clst:		red brn to brn gy, slt, calc		0043-3L
			5	Cont	:	prp		0043-4L
3037.00								0044
			40	Ca	:	gy w to w, cly, f, pyr		0044-1L
		2.00	40	Sh/Clst:		m gy to drk gy to lt gy, slt, calc		0044-2L
			10	Sh/Clst:		red brn to brn gy, slt, calc		0044-3L
			10	Cont	:	prp, dd		0044-4L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3040.00							0045
	2.15	60	Sh/Clst:		dsk y brn to drk gy to m gy, slt, calc		0045-1L
		20	Ca	:	gy w to w, cly, f		0045-2L
		15	Sh/Clst:		red brn to brn gy, slt, calc		0045-3L
		5	Cont	:	prp		0045-4L
3043.00							0046
	2.48	55	Sh/Clst:		drk gy to m gy to gy blk, slt, calc		0046-1L
		30	Sh/Clst:		red brn to brn gy, slt, calc		0046-2L
		10	Cont	:	prp		0046-3L
		5	Ca	:	gy w to w, cly, f		0046-4L
3046.00							0047
		55	S/Sst	:	lt gy to gy w, glauc, f		0047-1L
		20	Sh/Clst:		drk gy to m gy, slt, calc		0047-2L
		15	Cont	:	prp, dd		0047-3L
		10	Sh/Clst:		red brn to brn gy, slt		0047-4L
3048.00	swc						0015
	2.77	100	Sh/Clst:		brn blk		0015-1L
3049.00							0048
		60	S/Sst	:	lt gy to gy w to red brn, glauc, f, l		0048-1L
		20	Sh/Clst:		drk gy to m gy, slt, calc		0048-2L
		10	Cont	:	prp, dd		0048-3L
		10	Sh/Clst:		red brn to brn gy, slt		0048-4L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3049.80	ccp						0028
	0.55	100	S/Sst	: gy w to lt gy, f, mic, hd			0028-1L
3049.85	ccp						0029
	1.02	50	S/Sst	: gy w to lt gy, f, slt, hd			0029-1L
		50	Sh/Clst	: m gy to drk gy, slt, lam			0029-2L
3050.60	ccp						0030
	0.45	100	S/Sst	: gy w to lt gy, crs			0030-1L
3052.00							0049
		80	S/Sst	: lt gy to gy w, glauc, f, l, trbofgs			0049-1L
		10	Sh/Clst	: brn gy to drk gy, slt, calc			0049-2L
		10	Cont	: prp, dd			0049-3L
3055.00							0050
	0.29	80	S/Sst	: lt gy to gy w, glauc, f, l, trbofgs			0050-1L
		10	Sh/Clst	: lt gy to m gy, slt, calc			0050-2L
		5	Sh/Clst	: red brn to brn gy, slt			0050-3L
		5	Cont	: prp, dd			0050-4L
3058.00							0051
		85	S/Sst	: w to gy w, glauc, f, l			0051-1L
		5	Sh/Clst	: lt gy to m gy, slt, calc			0051-2L
		5	Sh/Clst	: red brn to brn gy, slt			0051-3L
		5	Cont	: prp, dd			0051-4L

Table 2 : Lithology description for well NOCS 33/9-17.

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3060.80	ccp						0031
	0.27	100	S/Sst	: gy w to lt gy, crs			0031-1L
3061.00							0052
		80	S/Sst	: w to gy w, glauc, f, l, trbofgs			0052-1L
		10	Sh/Clst	: drk gy to dsk y brn to m gy, slt, calc			0052-2L
		5	Sh/Clst	: red brn to brn gy, slt			0052-3L
		5	Cont	: prp, dd			0052-4L
3061.50	swc						0016
		100	S/Sst	: w, calc, glauc			0016-1L
3064.00							0053
		95	S/Sst	: w to gy w, f, l			0053-1L
		5	Sh/Clst	: drk gy to dsk y brn to m gy, slt, calc			0053-2L
		tr	Sh/Clst	: red brn to brn gy, slt			0053-3L
		tr	Cont	: prp, dd			0053-4L
3070.00							0054
		95	S/Sst	: w to gy w, f, crs, l			0054-1L
		5	Sh/Clst	: drk gy to m gy to lt gy, calc, slt			0054-2L
		tr	Sh/Clst	: red brn to brn gy, slt			0054-3L
3072.00	swc						0017
		100	S/Sst	: w, calc, cly, glauc			0017-1L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
3073.00								0055
			95	S/Sst		: w to gy w, f, crs, l		0055-1L
			5	Sh/Clst		: drk gy to m gy to lt gy, calc, slt		0055-2L
			tr	Sh/Clst		: red brn to brn gy, slt		0055-3L
3076.00		swc						0018
		0.35	100	S/Sst		: w, calc, glauc		0018-1L
3079.00								0056
			90	S/Sst		: w to gy w, f, crs, l		0056-1L
			10	Sh/Clst		: drk gy to m gy to lt gy, calc, slt		0056-2L
			tr	Sh/Clst		: red brn to brn gy, slt		0056-3L
3081.00		swc						0019
			100	S/Sst		: w, calc, glauc		0019-1L
3081.50		swc						0020
			100	S/Sst		: w, calc, glauc		0020-1L
3082.00								0057
			95	S/Sst		: w to gy w, f, crs, l		0057-1L
			5	Sh/Clst		: drk gy to m gy to lt gy, calc, slt		0057-2L
			tr	Sh/Clst		: red brn to brn gy, slt		0057-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
3087.50		swc				0021
		1.05	100	S/Sst : w, calc, glauc		0021-1L
3088.00						0058
			100	S/Sst : w to gy w, f, crs, l		0058-1L
			tr	Sh/Clst: drk gy to m gy to lt gy, calc, slt		0058-2L
3090.00		swc				0022
		0.29	100	S/Sst : w, calc, glauc		0022-1L
3091.00						0059
			85	S/Sst : w to gy w, f, crs, l		0059-1L
			10	Sh/Clst: drk gy to m gy to lt gy, calc, slt		0059-2L
			5	Ca : w to gy w, f		0059-3L
3094.00						0060
			90	S/Sst : w to gy w, f, crs, l		0060-1L
			10	Sh/Clst: drk gy to m gy to lt gy, calc, slt		0060-2L
			tr	Ca : w to gy w, f		0060-3L
3097.00						0061
			75	S/Sst : w to gy w, f, crs, l		0061-1L
			20	Sh/Clst: drk gy to m gy to lt gy, calc, slt		0061-2L
			5	Ca : w to gy w, f		0061-3L
			tr	Sh/Clst: lt gy, glauc, slt		0061-4L
			tr	Sh/Clst: red brn to gy brn, slt		0061-5L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
3100.00								0062
			85	S/Sst		: w to gy w, f, crs, l		0062-1L
			10	Sh/Clst		: drk gy to m gy to lt gy, calc, slt		0062-2L
			5	Ca		: w to gy w, f		0062-3L
			tr	Sh/Clst		: lt gy, glauc, slt		0062-4L
			tr	Sh/Clst		: red brn to gy brn, slt		0062-5L
3101.00		swc						0023
			100	S/Sst		: w to lt gy, calc, cly, glauc		0023-1L
3109.00								0063
		7.36	90	Sh/Clst		: drk gy to m gy, calc, slt, s, lam		0063-1L
			10	S/Sst		: w to gy w, f, glauc		0063-2L
			tr	Ca		: w, f		0063-3L
			tr	Cont		: prp		0063-4L
3110.50		swc						0024
		1.05	100	S/Sst		: w to lt gy, calc, cly, glauc		0024-1L
3112.00								0064
		3.75	90	Sh/Clst		: drk gy to m gy, calc, slt, s, lam		0064-1L
			10	S/Sst		: w to gy w, f, glauc		0064-2L
3115.00								0065
		5.90	90	Sh/Clst		: drk gy to m gy, calc, slt, s, lam		0065-1L
			10	S/Sst		: w to gy w, pyr, glauc, f		0065-2L
			tr	Cont		: prp		0065-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3118.00							0066
	5.13	80	Sh/Clst: drk gy to m gy, calc, slt, s, lam				0066-1L
		15	S/Sst : w to gy w, pyr, glauc, f				0066-2L
		5	Ca : w to gy w, f				0066-3L
3121.00							0067
	5.38	85	Sh/Clst: drk gy to m gy, calc, slt, s, lam				0067-1L
		15	S/Sst : w to gy w, pyr, glauc, f				0067-2L
		tr	Cont : prp, ns, dd				0067-3L
3127.00							0084
	0.15	65	S/Sst : w to gy w, f, l				0084-1L
		30	Sh/Clst: gy blk to drk gy, slt				0084-2L
		5	Cont : prp, ns				0084-3L
		tr	Sh/Clst: red brn to gy brn, slt				0084-4L
3130.00							0085
	5.19	80	Sh/Clst: gy blk to drk gy, slt				0085-1L
		20	S/Sst : w to gy w, f, glauc, pyr				0085-2L
		tr	Cont : prp, ns				0085-3L
		tr	Ca : w, f				0085-4L
3133.00							0086
	5.24	90	Sh/Clst: gy blk to drk gy, slt, s, lam				0086-1L
		10	S/Sst : w to gy w, f, glauc, pyr				0086-2L
		tr	Cont : prp, ns				0086-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
3135.00	swc						0025
	2.29	100	Sh/Clst: gy blk, mic				0025-1L
3136.00							0087
		85	Sh/Clst: gy blk to drk gy, slt, s, lam				0087-1L
		15	S/Sst : w to gy w, f, glauc, pyr				0087-2L
		tr	Cont : prp				0087-3L
3139.00							0088
	4.42	90	Sh/Clst: gy blk to drk gy, slt, s, lam				0088-1L
		10	S/Sst : w to gy w, f, glauc, pyr				0088-2L
		tr	Cont : prp, ns				0088-3L
		tr	Sh/Clst: gy brn to red brn, slt				0088-4L
3142.00							0089
		90	Sh/Clst: gy blk to drk gy, slt, s, lam				0089-1L
		10	S/Sst : w to gy w, f, glauc, pyr				0089-2L
		tr	Cont : prp, ns				0089-3L
3145.00							0090
	4.94	90	Sh/Clst: gy blk to drk gy, slt, s, lam				0090-1L
		10	S/Sst : w to gy w, f, glauc, pyr				0090-2L
		tr	Cont : prp, ns				0090-3L
		tr	Ca : w, f				0090-4L
3148.00							0091
	6.18	50	Sh/Clst: gy blk to drk gy, slt, s, lam				0091-1L
		45	S/Sst : w to gy w, f, glauc, pyr				0091-2L
		5	Cont : prp, ns				0091-3L
		tr	Ca : w, f				0091-4L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample / Lithology description
3151.00								0092
			85	Sh/Clst: gy blk to drk gy, slt, s, lam				0092-1L
			15	S/Sst : w to gy w, f, glauc, pyr				0092-2L
3154.00								0093
		8.11	75	Sh/Clst: gy blk to drk gy, slt, s, lam				0093-1L
			20	S/Sst : w to gy w, f, glauc, pyr				0093-2L
			5	Cont : prp				0093-3L
			tr	Sh/Clst: brn gy to red brn, slt				0093-4L
3157.00								0094
		4.95	75	Sh/Clst: gy blk to drk gy, slt, s, lam				0094-1L
			20	S/Sst : w to gy w, f, glauc, pyr				0094-2L
			5	Cont : prp, ns				0094-3L
			tr	Sh/Clst: brn gy to red brn, slt				0094-4L
3160.00								0095
			75	Sh/Clst: gy blk to drk gy, slt, s, lam				0095-1L
			20	S/Sst : w to gy w, f, glauc, pyr				0095-2L
			5	Sh/Clst: lt gy, slt				0095-3L
3163.00								0096
		5.05	80	Sh/Clst: gy blk to drk gy to m gy, slt, s, lam				0096-1L
			10	S/Sst : w to gy w, f, crs, glauc, pyr				0096-2L
			10	Sh/Clst: lt gy, slt				0096-3L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
3166.00								0097
			50	S/Sst	:	gy w to w, f		0097-1L
			50	Sh/Clst	:	m gy to drk gy to gy blk, slt		0097-2L
			tr	Cont	:	prp		0097-3L
3169.00								0098
		0.18	70	S/Sst	:	gy w to w, f		0098-1L
			20	Sh/Clst	:	m gy to drk gy to gy blk, slt		0098-2L
			10	Sh/Clst	:	lt gy, slt		0098-3L
			tr	Cont	:	prp		0098-4L
3172.00								0099
		0.16	85	S/Sst	:	gy w to w, f, crs, glauc		0099-1L
			15	Sh/Clst	:	m gy to drk gy to gy blk, slt		0099-2L
			tr	Sh/Clst	:	lt gy, slt		0099-3L
			tr	Cont	:	prp		0099-4L
3175.00								0100
		0.14	85	S/Sst	:	gy w to w, f, crs, glauc		0100-1L
			15	Sh/Clst	:	m gy to drk gy to gy blk, pyr, slt		0100-2L
			tr	Sh/Clst	:	lt gy, slt		0100-3L
			tr	Cont	:	prp, dd		0100-4L
3178.00								0101
		0.11	70	S/Sst	:	gy w to w, f, crs, glauc		0101-1L
			25	Sh/Clst	:	m gy to drk gy to gy blk, pyr, slt		0101-2L
			5	Sh/Clst	:	lt gy, slt		0101-3L
			tr	Cont	:	prp, dd		0101-4L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp Frm Age / Lithology description	Trb	Sample
3181.00						0102
			65	Sh/Clst: drk gy to gy blk to lt gy, pyr, slt		0102-1L
			30	S/Sst : gy w to w to lt gy, f, crs		0102-2L
			5	Cont : dd, ns		0102-3L
3184.00						0157
			75	Sh/Clst: gy blk to drk gy, slt		0157-1L
			25	S/Sst : gy w to w to lt gy, f, glauc		0157-2L
			tr	Ca : w, f		0157-3L
			tr	Sh/Clst: red brn to gy brn, slt		0157-4L
3186.50	swc					0026
			80	Cont : dd		0026-2L
		1.20	20	Sltst : brn gy, s		0026-1L
3187.00						0158
			45	Sh/Clst: gy blk to drk gy, slt		0158-1L
			45	S/Sst : gy w to w to lt gy, f, glauc		0158-2L
			5	Sh/Clst: red brn to gy brn, slt		0158-3L
			5	Cont : prp		0158-4L
3190.00						0159
		0.15	55	S/Sst : gy w to w to lt gy, f, glauc		0159-1L
			40	Sh/Clst: gy blk to drk gy to m gy, slt		0159-2L
			5	Ca : w, f		0159-3L
			tr	Sh/Clst: gy brn to red brn, slt		0159-4L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
3193.00								0160	
		0.12	70					0160-1L	S/Sst : gy w to w to lt gy, f, glauc
			30					0160-2L	Sh/Clst: gy blk to drk gy to m gy, slt
			tr					0160-3L	Ca : w, f
			tr					0160-4L	Sh/Clst: gy brn to red brn, slt
3199.00								0161	
		26.31	95					0161-1L	Sh/Clst: dsk y brn to brn gy to blk, slt
			5					0161-2L	S/Sst : gy w to w, f, crs, pyr
			tr					0161-3L	Ca : w, f
3202.00								0162	
		14.53	80					0162-1L	Sh/Clst: dsk y brn to brn gy to blk, slt
			15					0162-2L	S/Sst : gy w to w, f, crs, pyr
			5					0162-3L	Ca : w, f
3205.00								0163	
			45					0163-1L	Sh/Clst: dsk y brn to brn gy to blk, slt
			40					0163-2L	S/Sst : gy w to w, f, crs, pyr
			10					0163-3L	Ca : w, f
			5					0163-4L	Sh/Clst: lt gy, slt, calc
3208.00								0164	
		0.35	55					0164-1L	S/Sst : gy w to w, f, crs, pyr
			25					0164-2L	Sh/Clst: dsk y brn to brn gy, slt
			10					0164-3L	Sh/Clst: m gy to lt gy, slt, calc
			5					0164-4L	Cont : prp
			5					0164-5L	Ca : w, f

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
3213.50		swc						0027
		0.16	100	S/Sst	: w			0027-1L
3214.00								0165
			70	S/Sst	: gy w to w, f, crs, l			0165-1L
			15	Sh/Clst	: dsk y brn to brn gy, slt			0165-2L
			5	Sh/Clst	: m gy to lt gy, slt, calc			0165-3L
			5	Cont	: prp			0165-4L
			5	Ca	: w, f			0165-5L
3220.00								0166
			75	S/Sst	: gy w to w, f, crs, l			0166-1L
			10	Sh/Clst	: dsk y brn to brn gy, slt			0166-2L
			5	Sh/Clst	: m gy to lt gy, slt, calc			0166-3L
			5	Cont	: prp			0166-4L
			5	Ca	: w, f			0166-5L
3223.00								0167
		0.25	80	S/Sst	: gy w to w, crs, l			0167-1L
			10	Sh/Clst	: m gy to lt gy, slt, calc			0167-2L
			5	Sh/Clst	: gy brn to red brn, slt			0167-3L
			5	Cont	: prp			0167-4L
3226.00								0168
			65	S/Sst	: gy w to w, crs, l			0168-1L
			20	Sh/Clst	: dsk y brn to gy blk, slt			0168-2L
			5	Sh/Clst	: lt gy to m gy, slt			0168-3L
			5	Sh/Clst	: gy brn to red brn, slt			0168-4L
			5	Cont	: prp			0168-5L

Table 2 : Lithology description for well NOCS 33/9-17

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
3229.00								0169
			70	S/Sst	:	gy w to w, crs, l		0169-1L
			15	Sh/Clst	:	lt gy to m gy, slt		0169-3L
			5	Sh/Clst	:	dsk y brn to gy blk, slt		0169-2L
			5	Sh/Clst	:	gy brn to red brn, slt		0169-4L
			5	Cont	:	prp		0169-5L
			tr	Ca	:	w, f		0169-6L
3233.00								0170
		0.28	90	S/Sst	:	gy w to w, crs, l		0170-1L
			5	Sh/Clst	:	lt gy to m gy, slt		0170-2L
			5	Cont	:	prp		0170-4L
			tr	Sh/Clst	:	gy brn to red brn, slt		0170-3L

Table 3 : Rock-Eval table for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1826.00	swc	Sh/Clst: ol gy	0.05	0.25	0.40	0.63	0.22	114	182	0.3	0.17	348	0001-1L
1986.00	swc	Sh/Clst: m gy	0.63	1.25	2.20	0.57	0.63	198	349	1.9	0.34	350	0005-1L
2083.00	swc	Sh/Clst: ol gy	0.05	0.49	0.79	0.62	0.47	104	168	0.5	0.09	416	0006-1L
2200.00	cut	Sh/Clst: m gy to lt gy	0.50	1.35	1.37	0.99	0.63	214	217	1.9	0.27	351	0112-1L
2983.00	cut	Sh/Clst: m gy to drk gy to lt gy	0.35	0.68	0.83	0.82	0.43	158	193	1.0	0.34	353	0032-1L
3022.00	swc	Sh/Clst: dsk y brn	0.72	1.10	2.25	0.49	0.75	147	300	1.8	0.40	344	0012-1L
3026.00	swc	Sh/Clst: gy blk	0.63	4.21	2.54	1.66	2.49	169	102	4.8	0.13	435	0013-1L
3027.50	swc	Sh/Clst: gy blk	0.90	7.14	2.58	2.77	2.57	278	100	8.0	0.11	433	0014-1L
3028.00	cut	Sh/Clst: drk gy to gy blk to m gy to lt gy	0.48	1.06	1.41	0.75	1.16	91	122	1.5	0.31	435	0041-1L
3034.00	cut	Sh/Clst: drk gy to m gy to lt gy	0.45	2.12	0.99	2.14	1.98	107	50	2.6	0.18	427	0043-2L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	0.58	3.92	1.05	3.73	2.00	196	52	4.5	0.13	431	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	0.94	8.23	0.90	9.14	2.15	383	42	9.2	0.10	434	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	1.22	8.56	1.37	6.25	2.48	345	55	9.8	0.12	432	0046-1L
3048.00	swc	Sh/Clst: brn blk	4.42	15.50	2.58	6.01	2.77	560	93	19.9	0.22	421	0015-1L

Table 3 : Rock-Eval table for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3049.80	ccp	S/Sst : gy w to lt gy	2.52	1.55	0.40	3.87	0.55	282	73	4.1	0.62	424	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	4.42	3.48	0.24	14.50	1.02	341	24	7.9	0.56	426	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	3.41	0.80	0.60	1.33	0.45	178	133	4.2	0.81	408	0030-1L
3055.00	cut	S/Sst : lt gy to gy w	0.34	0.26	1.48	0.18	0.29	90	510	0.6	0.57	350	0050-1L
3060.80	ccp	S/Sst : gy w to lt gy	2.46	0.88	0.43	2.05	0.27	326	159	3.3	0.74	411	0031-1L
3076.00	swc	S/Sst : w	0.96	0.33	1.21	0.27	0.35	94	346	1.3	0.74	348	0018-1L
3087.50	swc	S/Sst : w	4.06	1.82	3.10	0.59	1.05	173	295	5.9	0.69	358	0021-1L
3090.00	swc	S/Sst : w	0.68	0.39	0.86	0.45	0.29	134	297	1.1	0.64	358	0022-1L
3109.00	cut	Sh/Clst: drk gy to m gy	4.46	42.82	0.96	44.60	7.36	582	13	47.3	0.09	418	0063-1L
3110.50	swc	S/Sst : w to lt gy	6.52	3.14	1.63	1.93	1.05	299	155	9.7	0.67	413	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	4.60	40.41	1.01	40.01	3.75	1078	27	45.0	0.10	420	0064-1L
3115.00	cut	Sh/Clst: drk gy to m gy	4.59	31.89	1.00	31.89	5.90	541	17	36.5	0.13	418	0065-1L
3118.00	cut	Sh/Clst: drk gy to m gy	3.75	26.01	0.99	26.27	5.13	507	19	29.8	0.13	420	0066-1L
3121.00	cut	Sh/Clst: drk gy to m gy	3.13	28.23	1.05	26.89	5.38	525	20	31.4	0.10	418	0067-1L
3127.00	cut	S/Sst : w to gy w	0.08	0.22	0.43	0.51	0.15	147	287	0.3	0.27	428	0084-1L

Table 3 : Rock-Eval table for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3130.00	cut	Sh/Clst: gy blk to drk gy	3.67	21.97	1.46	15.05	5.19	423	28	25.6	0.14	424	0085-1L
3133.00	cut	Sh/Clst: gy blk to drk gy	3.63	23.47	1.37	17.13	5.24	448	26	27.1	0.13	423	0086-1L
3135.00	swc	Sh/Clst: gy blk	3.91	11.69	1.68	6.96	2.29	510	73	15.6	0.25	425	0025-1L
3139.00	cut	Sh/Clst: gy blk to drk gy	3.67	19.62	1.50	13.08	4.42	444	34	23.3	0.16	427	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	3.48	22.43	1.31	17.12	4.94	454	27	25.9	0.13	430	0090-1L
3148.00	cut	Sh/Clst: gy blk to drk gy	5.27	27.71	1.69	16.40	6.18	448	27	33.0	0.16	428	0091-1L
3154.00	cut	Sh/Clst: gy blk to drk gy	4.39	27.76	1.61	17.24	8.11	342	20	32.2	0.14	422	0093-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	3.74	26.91	1.78	15.12	4.95	544	36	30.6	0.12	428	0094-1L
3163.00	cut	Sh/Clst: gy blk to drk gy to m gy	3.07	18.94	1.59	11.91	5.05	375	31	22.0	0.14	430	0096-1L
3169.00	cut	S/Sst : gy w to w	0.10	0.35	0.34	1.03	0.18	194	189	0.4	0.22	426	0098-1L
3172.00	cut	S/Sst : gy w to w	0.02	0.18	0.38	0.47	0.16	113	238	0.2	0.10	427	0099-1L
3175.00	cut	S/Sst : gy w to w	0.06	0.11	0.38	0.29	0.14	79	271	0.2	0.35	426	0100-1L
3178.00	cut	S/Sst : gy w to w	0.02	0.04	0.33	0.12	0.11	36	300	0.1	0.33	428	0101-1L
3186.50	swc	Sltst : brn gy	5.87	2.16	3.57	0.61	1.20	180	298	8.0	0.73	344	0026-1L
3190.00	cut	S/Sst : gy w to w to lt gy	0.07	0.08	0.34	0.24	0.15	53	227	0.2	0.47	417	0159-1L

Table 3 : Rock-Eval table for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3193.00	cut	S/Sst : gy w to w to lt gy	0.05	0.02	0.51	0.04	0.12	17	425	0.1	0.71	348	0160-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	18.18	173.91	1.79	97.16	26.31	661	7	192.1	0.09	449	0161-1L
3202.00	cut	Sh/Clst: dsk y brn to brn gy to blk	10.80	101.18	1.39	72.79	14.53	696	10	112.0	0.10	446	0162-1L
3208.00	cut	S/Sst : gy w to w	0.20	0.89	0.32	2.78	0.35	254	91	1.1	0.18	438	0164-1L
3213.50	swc	S/Sst : w	0.83	0.66	1.30	0.51	0.16	413	813	1.5	0.56	471	0027-1L
3223.00	cut	S/Sst : gy w to w	0.07	0.25	0.39	0.64	0.25	100	156	0.3	0.22	432	0167-1L
3233.00	cut	S/Sst : gy w to w	0.09	0.51	0.52	0.98	0.28	182	186	0.6	0.15	430	0170-1L

Table 4 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3026.00	swc	Sh/Clst: gy blk	10.05	18.42	44.53	26.99	4.21	0013-1L
3027.50	swc	Sh/Clst: gy blk	10.26	15.47	38.70	35.57	7.14	0014-1L
3048.00	swc	Sh/Clst: brn blk	10.37	8.59	33.09	47.95	15.50	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	3.29	9.56	24.21	62.94	1.55	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	4.63	8.12	23.24	64.00	3.48	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	4.15	10.78	20.93	64.13	0.80	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	4.62	8.85	21.55	64.99	0.88	0031-1L
3087.50	swc	S/Sst : w	12.04	33.34	47.98	6.63	1.82	0021-1L
3110.50	swc	S/Sst : w to lt gy	10.97	5.45	20.39	63.20	3.14	0024-1L
3135.00	swc	Sh/Clst: gy blk	6.76	10.81	33.59	48.83	11.69	0025-1L
3186.50	swc	Sltst : brn gy	26.08	29.25	39.23	5.44	2.16	0026-1L
3213.50	swc	S/Sst : w	14.66	43.76	38.64	2.95	0.66	0027-1L

Table 5: GHM Analysis (Wellsite) from Well NOCS 33/9-17							
Depth	Type	Lithology	S1	S2	PP	PI	Tmax
1820	Cut	Clst	0.12	0.20	0.32	0.38	413
1850	Cut	Clst	0.31	1.13	1.44	0.21	347
1880	Cut	Clst	0.07	0.53	0.60	0.12	431
1900	Cut	Clst	0.23	0.57	0.80	0.29	352
1920	Cut	Clst	0.08	0.32	0.39	0.19	389
1940	Cut	Clst	0.09	0.26	0.35	0.25	369
1960	Cut	Clst	0.02	0.26	0.28	0.06	437
1980	Cut	Clst	0.23	0.31	0.55	0.43	362
2000	Cut	Clst	0.24	0.49	0.73	0.32	378
2020	Cut	Clst	0.31	0.39	0.70	0.45	431
2040	Cut	Clst	0.37	0.87	1.24	0.30	355
2060	Cut	Clst	0.12	0.74	0.86	0.14	357
2080	Cut	Clst	0.19	1.16	1.36	0.14	447
2100	Cut	Clst	0.06	0.79	0.85	0.07	439
2120	Cut	Clst	0.19	0.56	0.75	0.26	435
2140	Cut	Clst	0.27	0.18	0.45	0.60	436
2160	Cut	Clst	0.24	1.88	2.12	0.11	371
2180	Cut	Clst	0.48	0.95	1.43	0.34	358
2200	Cut	Clst	0.30	1.00	1.30	0.23	368
2220	Cut	Clst	0.27	1.83	2.11	0.13	367
2240	Cut	Clst	0.27	1.85	2.12	0.13	380

Table 5: GHM Analysis (Wellsite) from Well NOCS 33/9-17							
Depth	Type	Lithology	S1	S2	PP	PI	Tmax
2260	Cut	Clst	0.62	2.33	2.95	0.21	362
2280	Cut	Clst	0.20	1.34	1.54	0.13	367
2300	Cut	Clst	0.34	1.08	1.41	0.24	356
2320	Cut	Clst	0.27	0.86	1.13	0.24	368
2340	Cut	Clst	0.01	0.05	0.06	0.25	-
2360	Cut	Clst	0.16	0.56	0.72	0.22	372
2380	Cut	Clst+Sst	0.12	0.75	0.87	0.14	356
2400	Cut	Clst	0.32	1.38	1.70	0.19	439
2420	Cut	Clst	0.46	1.57	2.03	0.23	436
2440	Cut	Clst	0.48	0.34	0.82	0.59	-
2460	Cut	Clst	0.91	3.59	4.50	0.20	378
2480	Cut	Clst	0.62	1.84	2.45	0.25	367
2500	Cut	Clst+Sst	0.54	3.16	3.70	0.15	363
2520	Cut	Clst+Sst	0.32	1.25	1.57	0.20	438
2540	Cut	Clst+Sst	0.38	2.62	3.01	0.13	441
2560	Cut	Clst+Sst	0.29	1.27	1.57	0.19	441
2580	Cut	Clst	0.43	1.94	2.36	0.18	446
2600	Cut	Clst	0.41	1.01	1.42	0.29	441
2620	Cut	Clst	0.79	1.36	2.15	0.37	430
2640	Cut	Clst	0.51	0.74	1.24	0.41	437
2660	Cut	Clst	0.57	1.23	1.80	0.32	434

Table 5: GHM Analysis (Wellsite) from Well NOCS 33/9-17							
Depth	Type	Lithology	S1	S2	PP	PI	Tmax
2680	Cut	Clst+Sst	0.43	0.98	1.41	0.30	437
2700	Cut	Clst	0.20	0.75	0.95	0.22	430
2720	Cut	Clst	0.31	1.06	1.37	0.23	435
2740	Cut	Clst	0.15	0.33	0.48	0.32	437
2760	Cut	Clst	0.71	1.23	1.94	0.37	424
2780	Cut	Clst	0.24	0.61	0.85	0.28	435
2800	Cut	Clst	0.39	0.93	1.31	0.29	442
2812	Cut	Clst	0.63	1.84	2.46	0.25	365
2824	Cut	Clst	1.60	0.14	1.74	0.92	463
2836	Cut	Clst	0.71	0.94	1.65	0.43	434
2848	Cut	Clst	0.15	0.76	0.91	0.16	444
2860	Cut	Clst	0.31	0.97	1.28	0.25	439
2872	Cut	Clst	0.18	0.71	0.89	0.20	441
2884	Cut	Clst	0.11	0.43	0.54	0.20	438
2896	Cut	Clst	0.34	0.52	0.86	0.39	-
2908	Cut	Clst	0.33	0.55	0.87	0.37	439
2920	Cut	Clst	0.48	2.21	2.68	0.18	-
2932	Cut	Clst	0.19	1.59	1.78	0.11	433
2944	Cut	Clst	0.21	1.28	1.49	0.14	439
2956	Cut	Clst	0.50	1.31	1.82	0.28	440
2968	Cut	Clst	0.65	0.85	1.50	0.43	432

Table 5: GHM Analysis (Wellsite) from Well NOCS 33/9-17

Depth	Type	Lithology	S1	S2	PP	PI	Tmax
2977	Cut	Clst	0.15	0.29	0.45	0.34	434
2986	Cut	Clst	0.79	0.72	1.51	0.52	-
2995	Cut	Clst	0.22	0.25	0.47	0.46	-
3004	Cut	Clst	0.35	0.42	0.77	0.45	-
3013	Cut	Clst	0.67	1.58	2.25	0.30	350
3022	Cut	Clst	0.69	3.11	3.80	0.18	443
3031	Cut	Lst	0.06	0.12	0.18	0.33	436
3033	Cut	Lst	0.13	0.00	0.13	1.00	-
3038.5	Core	Shale	0.01	0.11	0.12	0.11	438
3040	Core	Shale	2.16	36.84	38.48	0.05	435
3040.5	Core	Shale	1.93	43.28	45.21	0.04	433
3041.5	Core	Shale	2.20	51.93	54.13	0.04	431
3043.2	Core	Shale	1.72	33.84	35.57	0.05	435
3044.5	Core	Shale	1.29	39.95	41.24	0.03	435
3046.9	Core	Shale	0.40	6.43	6.83	0.06	433
3047.2	Core	Shale	0.65	3.06	3.71	0.18	434
3050.3	Core	Shale+ Sst	0.37	3.43	3.80	0.10	436
3051.3	Core	Sst	0.85	0.19	1.03	0.82	349
3054.5	Core	Sst	0.07	0	0.07	-	-
3060.3	Core	Sst	0.60	0	0.60	-	-

Table 5: GHM Analysis (Wellsite) from Well NOCS 33/9-17							
Depth	Type	Lithology	S1	S2	PP	PI	Tmax
3064.5	Core	Sst	0.27	0	0.27	-	-
3091	Cut	Sltst	0.55	5.82	6.37	0.09	439
3094	Cut	Clst	0.66	7.55	8.2	0.08	437
3109	Cut	Clst	2.81	19.46	22.27	0.13	434
3118	Cut	Clst	0.75	14.22	14.98	0.05	434
3130	Cut	Clst	2.01	14.15	16.16	0.12	436
3142	Cut	Clst	0.67	16.84	17.51	0.04	438
3151	Cut	Clst	1.68	24.93	26.61	0.06	437
3160	Cut	Clst	0.33	7.78	8.11	0.04	441
3169	Cut	Sst	0.10	0.77	0.86	0.11	440
3178	Cut	Clst	0.99	3.38	4.36	0.23	449
3187	Cut	Sltst	1.31	2.29	3.60	0.36	443
3199	Cut	Sltst	3.58	77.18	80.76	0.04	451
3220	Cut	Sst	0.11	0.38	0.49	0.22	435
3233	Cut	Sst	0.02	0.86	0.88	0.02	442

Table 6 a: Weight of EOM and Chromatographic Fraction for well NOCS 33/9-17

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
1986.00	swc	Sh/Clst: m gy	7.7	6.3	1.2	0.8	0.2	4.2	2.0	4.4	0.53	0005-1L
3027.50	swc	Sh/Clst: gy blk	7.0	11.9	1.5	1.2	1.6	7.7	2.7	9.2	3.66	0014-1L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	9.9	6.9	1.6	0.8	0.5	4.1	2.4	4.6	1.38	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	8.8	6.3	1.5	1.2	0.6	3.0	2.7	3.6	1.46	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	10.0	19.1	5.3	3.3	2.2	8.2	8.7	10.4	2.25	0046-1L
3048.00	swc	Sh/Clst: brn blk	2.8	26.9	2.6	2.0	1.4	20.9	4.6	22.3	2.76	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	10.3	22.3	12.3	4.7	0.4	5.0	16.9	5.4	0.37	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	10.7	38.6	13.9	8.4	5.2	11.1	22.2	16.3	4.17	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	9.9	52.4	15.4	4.5	1.9	30.6	19.9	32.5	0.23	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	10.1	49.3	20.0	7.3	1.5	20.4	27.3	21.9	0.57	0031-1L
3109.00	cut	Sh/Clst: drk gy to m gy	4.8	25.3	5.3	6.5	3.0	10.5	11.9	13.4	6.36	0063-1L
3110.50	swc	S/Sst : w to lt gy	6.8	44.0	4.9	3.9	1.3	33.9	8.8	35.2	0.95	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	6.6	27.3	5.6	7.3	3.3	11.1	12.9	14.4	5.08	0064-1L

Table 6 a: Weight of EOM and Chromatographic Fraction for well NOCS 33/9-17

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
3118.00	cut	Sh/Clst: drk gy to m gy	6.4	27.0	6.0	7.0	2.8	11.2	13.1	13.9	5.03	0066-1L
3130.00	cut	Sh/Clst: gy blk to drk gy	5.7	36.9	7.4	8.7	4.3	16.6	16.1	20.8	5.88	0085-1L
3139.00	cut	Sh/Clst: gy blk to drk gy	4.6	24.5	5.5	6.1	3.5	9.4	11.6	12.9	4.73	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	10.4	75.2	12.6	14.3	9.5	38.8	26.9	48.3	5.55	0090-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	9.6	55.9	8.2	10.2	9.0	28.5	18.4	37.5	6.35	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	4.0	135.1	13.9	23.8	34.3	63.1	37.7	97.4	34.80	0161-1L
3213.50	swc	S/Sst : w	5.4	11.8	0.3	0.2	0.2	11.1	0.5	11.3	0.15	0027-1L

Table 6 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1986.00	swc	Sh/Clst: m gy	821	155	97	25	543	252	569	0005-1L
3027.50	swc	Sh/Clst: gy blk	1704	214	167	223	1098	382	1322	0014-1L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	699	166	75	50	407	241	458	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	716	170	136	68	341	307	409	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	1905	532	333	222	816	866	1038	0046-1L
3048.00	swc	Sh/Clst: brn blk	9607	939	703	507	7457	1642	7964	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	2175	1195	453	39	485	1649	525	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	3610	1296	784	488	1040	2081	1529	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	5283	1553	454	186	3088	2008	3275	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	4897	1993	724	154	2025	2717	2179	0031-1L
3109.00	cut	Sh/Clst: drk gy to m gy	5294	1115	1366	623	2190	2481	2813	0063-1L
3110.50	swc	S/Sst : w to lt gy .	6491	726	570	.190	5004	1296	5194	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	4122	837	1107	503	1674	1944	2177	0064-1L

Table 6 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3118.00	cut	Sh/Clst: drk gy to m gy	4227	942	1103	431	1750	2045	2181	0066-1L
3130.00	cut	Sh/Clst: gy blk to drk gy	6458	1291	1520	746	2898	2812	3645	0085-1L
3139.00	cut	Sh/Clst: gy blk to drk gy	5342	1189	1337	769	2045	2527	2814	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	7229	1209	1375	916	3728	2584	4645	0090-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	5852	854	1072	944	2981	1926	3925	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	33435	3438	5893	8482	15621	9331	24103	0161-1L
3213.50	swc	S/Sst : w	2190	64	31	42	2051	96	2094	0027-1L

Table 6 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1986.00	swc	Sh/Clst: m gy	155.00	29.29	18.31	4.88	102.52	47.60	107.40	0005-1L
3027.50	swc	Sh/Clst: gy blk	46.58	5.87	4.58	6.11	30.02	10.45	36.13	0014-1L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	50.72	12.04	5.47	3.65	29.55	17.51	33.20	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	49.09	11.69	9.35	4.68	23.38	21.04	28.05	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	84.68	23.68	14.83	9.87	36.30	38.51	46.17	0046-1L
3048.00	swc	Sh/Clst: brn blk	348.08	34.03	25.49	18.37	270.19	59.52	288.56	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	587.91	323.17	122.63	10.79	131.32	445.80	142.11	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	86.58	31.10	18.82	11.72	24.95	49.92	36.67	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	2297.20	675.65	197.43	81.17	1342.96	873.08	1424.12	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	859.23	349.66	127.13	27.03	355.41	476.79	382.44	0031-1L
3109.00	cut	Sh/Clst: drk gy to m gy	83.25	17.53	21.48	9.80	34.44	39.01	44.24	0063-1L
3110.50	swc	S/Sst : w to lt gy	683.36	76.50	60.02	20.06	526.78	136.52	546.84	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	81.15	16.48	21.79	9.92	32.96	38.27	42.87	0064-1L

Table 6 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3118.00	cut	Sh/Clst: drk gy to m gy	84.04	18.73	21.94	8.57	34.81	40.67	43.38	0066-1L
3130.00	cut	Sh/Clst: gy blk to drk gy	109.83	21.97	25.87	12.70	49.30	47.84	61.99	0085-1L
3139.00	cut	Sh/Clst: gy blk to drk gy	112.94	25.15	28.28	16.26	43.25	53.43	59.51	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	130.27	21.79	24.77	16.51	67.19	46.57	83.70	0090-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	92.16	13.46	16.89	14.87	46.95	30.34	61.82	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	96.08	9.88	16.94	24.38	44.89	26.82	69.26	0161-1L
3213.50	swc	S/Sst : w	1460.49	43.21	20.99	28.40	1367.90	64.20	1396.30	0027-1L

Table 6 d: Composition of material extracted from the rock (%) for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Sat / EOM	Aro / EOM	Asph / EOM	NSO / EOM	HC / EOM	Non-HC / EOM	Sat / Aro	HC / Non-HC	Sample
1986.00	swc	Sh/Clst: m gy	18.90	11.81	3.15	66.14	30.71	69.29	160.00	44.32	0005-1L
3027.50	swc	Sh/Clst: gy blk	12.61	9.83	13.11	64.45	22.44	77.56	128.21	28.93	0014-1L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	23.74	10.79	7.19	58.27	34.53	65.47	220.00	52.75	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	23.81	19.05	9.52	47.62	42.86	57.14	125.00	75.00	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	27.97	17.51	11.66	42.86	45.48	54.52	159.70	83.41	0046-1L
3048.00	swc	Sh/Clst: brn blk	9.78	7.32	5.28	77.62	17.10	82.90	133.50	20.63	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	54.97	20.86	1.84	22.34	75.83	24.17	263.52	313.70	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	35.92	21.73	13.54	28.81	57.65	42.35	165.27	136.13	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	29.41	8.59	3.53	58.46	38.01	61.99	342.22	61.31	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	40.69	14.80	3.15	41.36	55.49	44.51	275.03	124.67	0031-1L
3109.00	cut	Sh/Clst: drk gy to m gy	21.06	25.80	11.77	41.37	46.86	53.14	81.62	88.18	0063-1L
3110.50	swc	S/Sst : w to lt gy	11.19	8.78	2.94	77.09	19.98	80.02	127.46	24.96	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	20.31	26.86	12.22	40.61	47.16	52.84	75.61	89.27	0064-1L

Table 6 d: Composition of material extracted from the rock (%) for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Sat / EOM	Aro / EOM	Asph / EOM	NSO / EOM	HC / EOM	Non-HC / EOM	Sat / Aro	HC / Non-HC	Sample
3118.00	cut	Sh/Clst: drk gy to m gy	22.28	26.10	10.20	41.42	48.39	51.61	85.37	93.75	0066-1L
3130.00	cut	Sh/Clst: gy blk to drk gy	20.01	23.55	11.56	44.88	43.56	56.44	84.94	77.17	0085-1L
3139.00	cut	Sh/Clst: gy blk to drk gy	22.27	25.04	14.40	38.30	47.31	52.69	88.93	89.78	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	16.73	19.02	12.67	51.58	35.75	64.25	87.97	55.64	0090-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	14.60	18.32	16.14	50.94	32.92	67.08	79.69	49.08	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	10.28	17.63	25.37	46.72	27.91	72.09	58.34	38.71	0161-1L
3213.50	swc	S/Sst : w	2.96	1.44	1.94	93.66	4.40	95.60	205.88	4.60	0027-1L

Table 7: Saturated Hydrocarbon Ratios for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	Pristane/nC17 / Phytane/nC18	Phytane / nC18	CPI1	nC17 / nC17+nC27	Sample
1986.00	swc	Sh/Clst: m gy	0.93	1.19	1.15	0.81	1.13	0.75	0005-1L
3027.50	swc	Sh/Clst: gy blk	3.89	5.79	5.26	0.74	1.28	0.70	0014-1L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	1.60	2.86	2.06	0.78	1.28	0.85	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	1.60	2.48	1.77	0.91	0.91	0.84	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	1.33	1.77	1.55	0.86	1.09	0.85	0046-1L
3048.00	swc	Sh/Clst: brn blk	1.14	1.56	1.33	0.86	1.08	0.85	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	0.96	1.31	1.30	0.73	0.96	0.77	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	0.81	1.52	1.29	0.63	0.99	0.87	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	0.82	1.21	1.20	0.68	1.00	0.76	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	1.03	1.07	1.12	0.93	0.86	0.74	0031-1L
3109.00	cut	Sh/Clst: drk gy to m gy	0.88	1.26	1.00	0.88	1.04	0.89	0063-1L
3110.50	swc	S/Sst : w to lt gy	0.87	1.26	1.00	0.87	0.99	0.89	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	0.99	1.50	1.18	0.84	1.08	0.89	0064-1L
3118.00	cut	Sh/Clst: drk gy to m gy	1.03	1.26	1.08	0.95	1.05	0.88	0066-1L
3130.00	cut	Sh/Clst: gy blk to drk gy	1.22	1.45	1.21	1.01	1.08	0.86	0085-1L

Table 7: Saturated Hydrocarbon Ratios for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	Pristane/nC17 / Phytane/nC18	Phytane / nC18	CPI1	nC17 / nC17+nC27	Sample
3139.00	cut	Sh/Clst: gy blk to drk gy	1.13	1.55	1.23	0.91	1.13	0.87	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	1.13	1.55	1.18	0.96	1.10	0.88	0090-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	1.39	1.79	1.48	0.94	1.20	0.83	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	1.52	6.80	6.44	0.24	1.29	0.56	0161-1L
3213.50	swc	S/Sst : w	0.93	1.38	1.47	0.64	1.13	0.77	0027-1L

Table 8a: Aromatic Hydrocarbon Ratios for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1986.00	swc	Sh/Clst: m gy	-	-	-	0.77	0.73	0.59	0.84	0.65	-	-	0005-1L
3027.50	swc	Sh/Clst: gy blk	0.62	0.76	0.70	0.53	0.32	0.31	0.59	0.14	0.22	-	0014-1L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	0.57	1.29	0.17	0.67	0.59	0.50	0.75	0.21	0.27	0.13	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	0.88	1.24	0.25	0.83	0.62	0.62	0.77	0.29	0.32	0.16	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	0.96	1.16	0.22	0.82	0.65	0.63	0.79	0.28	0.36	0.16	0046-1L
3048.00	swc	Sh/Clst: brn blk	0.96	1.13	0.18	0.83	0.62	0.61	0.77	0.29	0.57	0.20	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	0.90	0.96	0.15	0.94	0.69	0.73	0.81	0.50	0.94	0.29	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	0.96	1.11	0.22	0.84	0.64	0.62	0.78	0.28	1.12	0.28	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	0.65	0.79	0.15	0.95	0.72	0.75	0.83	0.52	-	-	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	0.87	0.89	0.12	0.89	0.69	0.70	0.81	0.49	1.08	0.29	0031-1L
3109.00	cut	Sh/Clst: drk gy to m gy	0.99	1.12	0.17	0.84	0.67	0.64	0.80	0.48	0.55	0.18	0063-1L
3110.50	swc	S/Sst : w to lt gy	0.93	0.83	0.15	1.06	0.80	0.80	0.88	0.77	0.68	0.31	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	0.99	1.13	0.18	0.83	0.66	0.63	0.80	0.48	0.51	0.18	0064-1L
3118.00	cut	Sh/Clst: drk gy to m gy	1.01	1.16	0.16	0.88	0.68	0.67	0.81	0.51	0.59	0.20	0066-1L
3130.00	cut	Sh/Clst: gy blk to drk gy	1.03	1.25	0.13	0.91	0.72	0.71	0.83	0.54	0.61	0.23	0085-1L

Table 8a: Aromatic Hydrocarbon Ratios for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
3139.00	cut	Sh/Clst: gy blk to drk gy	1.02	1.21	0.09	0.80	0.62	0.62	0.77	0.46	1.02	0.30	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	1.06	1.25	0.11	0.81	0.64	0.65	0.78	0.51	0.94	0.29	0090-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	1.05	1.21	0.09	0.75	0.61	0.61	0.77	0.54	0.70	0.27	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	1.19	1.38	0.23	1.01	0.65	0.73	0.79	0.25	5.53	1.41	0161-1L
3213.50	swc	S/Sst : w	-	0.75	-	0.93	0.61	0.65	0.77	-	-	-	0027-1L

Table 8b: Aromatic Hydrocarbon Ratios for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
1986.00	swc	Sh/Clst: m gy	0.46	0.18	0005-1L
3027.50	swc	Sh/Clst: gy blk	0.33	0.16	0014-1L
3037.00	cut	Sh/Clst: m gy to drk gy to lt gy	0.44	0.19	0044-2L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	0.45	0.22	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	0.45	0.22	0046-1L
3048.00	swc	Sh/Clst: brn blk	0.44	0.22	0015-1L
3049.80	ccp	S/Sst : gy w to lt gy	0.43	0.23	0028-1L
3049.85	ccp	S/Sst : gy w to lt gy	0.44	0.21	0029-1L
3050.60	ccp	S/Sst : gy w to lt gy	0.44	0.23	0030-1L
3060.80	ccp	S/Sst : gy w to lt gy	0.44	0.22	0031-1L
3109.00	cut	Sh/Clst: drk gy to m gy	0.44	0.21	0063-1L
3110.50	swc	S/Sst : w to lt gy	0.50	0.25	0024-1L
3112.00	cut	Sh/Clst: drk gy to m gy	0.44	0.21	0064-1L
3118.00	cut	Sh/Clst: drk gy to m gy	0.44	0.22	0066-1L
3130.00	cut	Sh/Clst: gy blk to drk gy	0.45	0.22	0085-1L

Table 8b: Aromatic Hydrocarbon Ratios for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	F1	F2	Sample
3139.00	cut	Sh/Clst: gy blk to drk gy	0.41	0.21	0088-1L
3145.00	cut	Sh/Clst: gy blk to drk gy	0.42	0.21	0090-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	0.40	0.20	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	0.46	0.26	0161-1L
3213.50	swc	S/Sst : w	0.41	0.22	0027-1L

Table 9 : Thermal Maturity Data for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
600.00	cut	Marl : lt gy	0.27	20	0.07	3	-	-	0068-1L
1160.00	cut	Sh/Clst: ol gy	0.25	20	0.02	3	-	-	0075-1L
1320.00	cut	Sh/Clst: lt ol gy	0.34	20	0.05	4	-	-	0077-1L
1480.00	cut	Sh/Clst: lt ol gy	0.33	15	0.04	0	-	-	0079-1L
1640.00	cut	Sh/Clst: lt ol gy to lt gy to ol gy	NDP	-	-	3-4	-	-	0081-1L
1720.00	cut	Sh/Clst: lt ol gy to lt gy to ol gy	0.41	6	0.04	4-5	-	-	0082-1L
1866.00	swc	Sh/Clst: ol gy to drk gy	0.42	20	0.04	0	-	-	0003-1L
1986.00	swc	Sh/Clst: m gy	0.43	4	0.05	0	3.5(?)	350	0005-1L
2083.00	swc	Sh/Clst: ol gy	0.39	4	0.02	4	-	416	0006-1L
2200.00	cut	Sh/Clst: m gy to lt gy	0.42	2	0.05	4	4.0-4.5	351	0112-1L
2320.00	cut	Sh/Clst: m gy to lt gy	0.48	1	0.00	3-4	-	-	0115-1L
2400.00	cut	Sh/Clst: m gy to lt gy	0.45	6	0.03	4	-	-	0117-1L
2546.00	swc	Sh/Clst: m gy	0.46	20	0.05	4	-	-	0007-1L

Table 9 : Thermal Maturity Data for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
2640.00	cut	Sh/Clst: m gy to lt gy	0.41	2	0.04	4	-	-	0123-1L
2760.00	cut	Sh/Clst: m gy to lt gy	0.45	7	0.05	0	-	-	0126-1L
2881.00	cut	Sh/Clst: m gy to drk gy	0.46	4	0.06	0	-	-	0140-1L
2947.00	cut	Sh/Clst: m gy to drk gy	0.47	6	0.03	4-5	-	-	0151-1L
3002.50	swc	Sh/Clst: m gy	0.45	9	0.06	4-5	-	-	0009-1L
3027.50	swc	Sh/Clst: gy blk	-	-	-	-	5.5-6.0	433	0014-1L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	-	-	-	-	5.5-6.0	434	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	-	-	-	-	5.5	432	0046-1L
3048.00	swc	Sh/Clst: brn blk	0.44	6	0.08	4	5.5(?)	421	0015-1L
3109.00	cut	Sh/Clst: drk gy to m gy	-	-	-	-	MDP/6.0(??)	418	0063-1L
3112.00	cut	Sh/Clst: drk gy to m gy	0.48	7	0.05	4	-	420	0064-1L
3118.00	cut	Sh/Clst: drk gy to m gy	-	-	-	-	MDP/5.5(??)	420	0066-1L
3135.00	swc	Sh/Clst: gy blk	0.49	11	0.06	4	5.5-6.0(?)	425	0025-1L

Table 9 : Thermal Maturity Data for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	Tmax (°C)	Sample
3157.00	cut	Sh/Clst: gy blk to drk gy	-	-	-	-	5.5-6.0(?)	428	0094-1L
3163.00	cut	Sh/Clst: gy blk to drk gy to m gy	0.46	20	0.05	4	-	430	0096-1L
3181.00	cut	Sh/Clst: drk gy to gy blk to lt gy	0.50	14	0.07	4	-	-	0102-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	-	-	-	-	5.0-5.5(??)	449	0161-1L
3202.00	cut	Sh/Clst: dsk y brn to brn gy to blk	0.50	30	0.05	4-5	-	446	0162-1L

Table 10: Visual Kerogen Composition Data for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	LIPT %	Amor L	LipDet	Sp/Pol	Cutic	Resin	Algae	Dinofl	Acrit	Bit L	INERT %	Fusin	Sem Fus	Sent Det	Micrin	Sclero	Bit I	VITR %	Telin	Collin	Vit Det	Amor V	Bit V	Sample
1986.00	swc	Sh/Clst: m gy	NDP	*	*	*	*		*				NDP			*	*			NDP	*		*			0005-1L
2200.00	cut	Sh/Clst: m gy to lt gy	10		*	**			*				80			*	**			10	*		**			0112-1L
3027.50	swc	Sh/Clst: gy blk	50	*	*	**	*		*	*			35	*	**	**				15	*		**			0014-1L
3040.00	cut	Sh/Clst: dsk y brn to drk gy to m gy	70	**	*	*			**	*			25			*	**			5	*		*		?	0045-1L
3043.00	cut	Sh/Clst: drk gy to m gy to gy blk	85	**	*	*			**	*			15			*	**			TR	*		*		?	0046-1L
3048.00	swc	Sh/Clst: brn blk	95	**		*			**	*		?	5			*	**			TR	*		*		?	0015-1L
3109.00	cut	Sh/Clst: drk gy to m gy	100	**		*			**	*		?	TR				*			TR			*		?	0063-1L
3118.00	cut	Sh/Clst: drk gy to m gy	90	**		*			**	*		?	10				*			TR			*		?	0066-1L
3135.00	swc	Sh/Clst: gy blk	85	**		*	*		**			?	10			*	**			5	*		**		?	0025-1L
3157.00	cut	Sh/Clst: gy blk to drk gy	80	**	*	*	*		**	*		?	15	*		*	**			5	*		**		?	0094-1L
3199.00	cut	Sh/Clst: dsk y brn to brn gy to blk	100	**	*	*	?		**			?	TR				*			TR			*			0161-1L

Table 11a: Tabulation of carbon isotope data for EOM/EOM - fractions for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Saturated	Aromatic	NSO	Asphaltenes	Kerogen	Sample
1986.00	swc	Sh/Clst	-	-31.33	-29.32	-30.02	-28.46	-	0005-1
3040.00	cut	Sh/Clst	-	-32.16	-30.49	-29.52	-28.39	-	0045-1
3048.00	swc	Sh/Clst	-29.95	-31.03	-29.26*	-29.05	-29.07	-	0015-1
3049.80	ccp	S/Sst	-30.04	-30.04	-29.98	-29.71	-29.44	-	0028-1
3049.85	ccp	S/Sst	-30.59	-30.90	-30.22	-30.71	-30.15	-	0029-1
3050.60	ccp	S/Sst	-29.18	-29.46	-29.19	-28.67	-28.20	-	0030-1
3060.80	ccp	S/Sst	-32.27	-31.88	-31.67	-30.62	-31.19	-	0031-1
3109.00	cut	Sh/Clst	-29.55	-30.88	-29.88	-29.20	-28.60	-	0063-1
3110.50	swc	S/Sst	-29.40	-30.03	-29.43	-28.72	-28.63	-	0024-1
3112.00	cut	Sh/Clst	-29.22	-30.30	-29.51	-28.87	-28.18	-	0064-1
3130.00	cut	Sh/Clst	-29.61	-30.79	-29.77	-29.32	-28.74	-	0085-1
3157.00	cut	Sh/Clst	-27.72	-29.64	-28.23	-27.97	-26.44	-	0094-1
3199.00	cut	Sh/Clst	-27.10	-32.12	-26.64	-27.97	-25.92	-	0161-1

* Unreliable value.

Table 11b: Tabulation of cv values from carbon isotope data for well NOCS 33/9-17

Depth unit of measure: m

Depth	Typ	Lithology	Saturated	Aromatic	cv value	Sample
1986.00	swc	Sh/Clst	-31.33	-29.32	2.52	0005-1
3040.00	cut	Sh/Clst	-32.16	-30.49	2.03	0045-1
3048.00	swc	Sh/Clst	-31.03	-29.26	1.90	0015-1
3049.80	ccp	S/Sst	-30.04	-29.98	-2.20	0028-1
3049.85	ccp	S/Sst	-30.90	-30.22	-0.56	0029-1
3050.60	ccp	S/Sst	-29.46	-29.19	-1.92	0030-1
3060.80	ccp	S/Sst	-31.88	-31.67	-1.30	0031-1
3109.00	cut	Sh/Clst	-30.88	-29.88	0.14	0063-1
3110.50	swc	S/Sst	-30.03	-29.43	-1.01	0024-1
3112.00	cut	Sh/Clst	-30.30	-29.51	-0.50	0064-1
3130.00	cut	Sh/Clst	-30.79	-29.77	0.16	0085-1
3157.00	cut	Sh/Clst	-29.64	-28.23	0.67	0094-1
3199.00	cut	Sh/Clst	-32.12	-26.64	10.47	0161-1

Table 12a: Variation in Triterpane Distribution (peak height) SIR for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Rat.10	Rat.11	Rat.12	Rat.13	Rat.14	Sample
1986.00	Sh/Clst	2.68	0.73	0.19	0.56	0.36	0.02	0.17	0.30	0.14	0.09	0.83	0.37	0.24	49.48	0005-1
3040.00	Sh/Clst	3.41	0.77	0.24	0.55	0.36	0.03	0.02	0.04	0.02	0.05	0.83	0.36	0.22	57.01	0045-1
3048.00	Sh/Clst	2.05	0.67	0.17	0.62	0.38	0.04	0.03	0.06	0.03	0.05	0.85	0.38	0.17	57.28	0015-1
3049.80	S/Sst	1.51	0.60	0.16	0.48	0.33	0.07	0.14	0.30	0.12	0.06	0.89	0.33	0.14	57.51	0028-1
3049.85	S/Sst	1.71	0.63	0.18	0.50	0.33	0.06	0.13	0.27	0.12	0.06	0.88	0.34	0.14	57.14	0029-1
3050.60	S/Sst	1.34	0.57	0.14	0.44	0.30	0.06	0.18	0.41	0.15	0.06	0.92	0.32	0.11	59.30	0030-1
3060.80	S/Sst	1.79	0.64	0.13	0.55	0.35	0.04	0.32	0.58	0.24	0.04	0.87	0.35	0.16	55.97	0031-1
3109.00	Sh/Clst	2.29	0.70	0.17	0.52	0.34	0.05	0.19	0.36	0.16	0.04	0.88	0.35	0.15	55.36	0063-1
3110.50	S/Sst	2.02	0.67	0.17	0.57	0.36	0.05	0.14	0.24	0.12	0.08	0.87	0.37	0.17	57.13	0024-1
3112.00	Sh/Clst	2.87	0.74	0.18	0.52	0.34	0.05	0.15	0.30	0.13	0.04	0.85	0.35	0.19	56.75	0064-1
3130.00	Sh/Clst	2.48	0.71	0.17	0.49	0.33	0.06	0.22	0.44	0.18	0.03	0.84	0.33	0.20	57.32	0085-1
3157.00	Sh/Clst	3.16	0.76	0.17	0.52	0.34	0.06	0.15	0.29	0.13	0.02	0.81	0.34	0.24	58.23	0094-1
3199.00	Sh/Clst	7.95	0.89	0.25	0.70	0.41	0.11	0.20	0.28	0.17	-	0.70	0.41	0.40	62.81	0161-1

List of Triterpane Distribution Ratios

Ratio 1: B / A

Ratio 2: B / B+A

Ratio 3: B / B+E+F

Ratio 4: C / E

Ratio 5: C / C+E

Ratio 6: X / E

Ratio 7: Z / E

Ratio 8: Z / C

Ratio 9: Z / Z+E

Ratio 10: Q / E

Ratio 11: E / E+F

Ratio 12: C+D / C+D+E+F

Ratio 13: D+F / C+E

Ratio 14: J1 / J1+J2 (%)

Table 12b: Variation in Sterane Distribution (peak height) SIR for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1986.00	Sh/Clst	0.39	26.55	41.50	1.32	0.57	0.27	0.20	0.26	0.36	0.48	0005-1
3040.00	Sh/Clst	0.43	30.73	42.40	1.40	0.54	0.33	0.23	0.27	0.44	0.53	0045-1
3048.00	Sh/Clst	0.44	30.77	47.74	1.47	0.60	0.22	0.16	0.31	0.44	0.66	0015-1
3049.80	S/Sst	0.50	30.18	53.29	1.50	0.65	0.23	0.16	0.36	0.43	0.82	0028-1
3049.85	S/Sst	0.50	31.90	51.69	1.64	0.63	0.32	0.24	0.35	0.47	0.79	0029-1
3050.60	S/Sst	0.60	33.47	66.42	1.36	0.75	0.25	0.18	0.50	0.50	1.49	0030-1
3060.80	S/Sst	0.40	29.74	41.98	1.20	0.55	0.09	0.07	0.27	0.42	0.51	0031-1
3109.00	Sh/Clst	0.46	31.86	47.63	1.61	0.59	0.30	0.22	0.31	0.47	0.67	0063-1
3110.50	S/Sst	0.49	33.02	50.70	1.68	0.61	0.20	0.14	0.34	0.49	0.77	0024-1
3112.00	Sh/Clst	0.44	30.84	46.17	1.50	0.58	0.26	0.19	0.30	0.45	0.62	0064-1
3130.00	Sh/Clst	0.45	30.20	46.40	1.45	0.59	0.23	0.17	0.30	0.43	0.62	0085-1
3157.00	Sh/Clst	0.55	33.42	47.39	1.28	0.57	0.21	0.16	0.31	0.50	0.68	0094-1
3199.00	Sh/Clst	0.70	32.39	40.12	0.31	0.51	0.07	0.06	0.25	0.48	0.50	0161-1

List of Sterane Distribution Ratios

Ratio 1: a / a+j

Ratio 2: q / q+t (%)

Ratio 3: 2*(r+s) / (q+t + 2*(r+s)) (%)

Ratio 4: a+b+c+d / h+k+l+n

Ratio 5: r+s / r+s+q

Ratio 6: u+v / u+v+q+r+s+t

Ratio 7: u+v / u+v+i+m+n+q+r+s+t

Ratio 8: r+s / q+r+s+t

Ratio 9: q / t

Ratio 10: r+s / t

Table 12c: Variation in Triaromatic Sterane Distribution (peak height) for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
1986.00	Sh/Clst	0.37	0.21	0.09	0.15	0.11	0005-1
3040.00	Sh/Clst	0.38	0.26	0.10	0.14	0.13	0045-1
3048.00	Sh/Clst	0.40	0.28	0.10	0.15	0.15	0015-1
3049.80	S/Sst	0.35	0.32	0.12	0.14	0.15	0028-1
3049.85	S/Sst	0.59	0.53	0.24	0.30	0.30	0029-1
3050.60	S/Sst	0.39	0.32	0.14	0.17	0.20	0030-1
3060.80	S/Sst	0.28	0.22	0.08	0.10	0.10	0031-1
3109.00	Sh/Clst	0.45	0.40	0.14	0.19	0.18	0063-1
3110.50	S/Sst	0.26	0.22	0.08	0.10	0.11	0024-1
3112.00	Sh/Clst	0.43	0.34	0.14	0.17	0.19	0064-1
3130.00	Sh/Clst	0.39	0.32	0.12	0.15	0.16	0085-1
3157.00	Sh/Clst	0.33	0.25	0.12	0.14	0.18	0094-1
3199.00	Sh/Clst	0.22	0.18	0.14	0.11	0.32	0161-1

Ratio1: a1 / a1 + g1
Ratio2: b1 / b1 + g1
Ratio3: a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1
Ratio4: a1 / a1 + e1 + f1 + g1
Ratio5: a1 / a1 + d1

Table 12d: Variation in Monoaromatic Sterane Distribution (peak height) for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Sample
1986.00	Sh/Clst	0.65	0.47	0.56	0.45	0005-1
3040.00	Sh/Clst	0.36	0.18	0.24	0.21	0045-1
3048.00	Sh/Clst	0.46	0.25	0.33	0.30	0015-1
3049.80	S/Sst	0.40	0.26	0.27	0.21	0028-1
3049.85	S/Sst	0.90	0.72	0.82	0.75	0029-1
3050.60	S/Sst	0.71	0.51	0.57	0.49	0030-1
3060.80	S/Sst	0.44	0.24	0.30	0.24	0031-1
3109.00	Sh/Clst	0.31	0.17	0.20	0.16	0063-1
3110.50	S/Sst	0.21	0.11	0.12	0.10	0024-1
3112.00	Sh/Clst	0.27	0.14	0.18	0.15	0064-1
3130.00	Sh/Clst	0.25	0.14	0.18	0.15	0085-1
3157.00	Sh/Clst	0.29	0.15	0.17	0.13	0094-1
3199.00	Sh/Clst	0.65	0.32	0.29	0.22	0161-1

Ratio1: A1 / A1 + E1
Ratio2: B1 / B1 + E1
Ratio3: A1 / A1 + E1 + G1
Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Table 12e: Aromatisation of Steranes (peak height) for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Sample
1986.00	Sh/Clst	0.01	0.99	0005-1
3040.00	Sh/Clst	0.29	0.95	0045-1
3048.00	Sh/Clst	0.25	0.96	0015-1
3049.80	S/Sst	0.53	0.72	0028-1
3049.85	S/Sst	0.06	0.98	0029-1
3050.60	S/Sst	0.27	0.94	0030-1
3060.80	S/Sst	0.41	0.79	0031-1
3109.00	Sh/Clst	0.48	0.78	0063-1
3110.50	S/Sst	0.64	0.68	0024-1
3112.00	Sh/Clst	0.47	0.81	0064-1
3130.00	Sh/Clst	0.48	0.78	0085-1
3157.00	Sh/Clst	0.52	0.87	0094-1
3199.00	Sh/Clst	0.23	0.97	0161-1

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

Ratio2: g1 / g1 + I1

Table 12f: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 33/9-17

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				
1986.00	Sh/Clst	395.6	149.1	94.1	105.7	37.8	168.5	452.5	263.9	879.9	0005-1
		37.8	263.3	1574.3	333.9	473.0	1026.0	262.7	261.2	266.7	
		347.6	263.1	391.4	179.9	559.0	599.3				
3040.00	Sh/Clst	719.6	226.6	189.7	200.0	55.6	534.1	1820.1	97.0	2632.4	0045-1
		145.3	624.1	4752.3	1002.7	1891.9	1463.0	541.8	757.2	571.0	
		797.6	555.4	580.1	414.9	701.6	550.4				
3048.00	Sh/Clst	2181.0	747.9	749.8	817.2	283.0	1673.4	3438.2	489.7	8871.9	0015-1
		643.2	1467.2	14411.1	2461.1	6173.9	4306.5	1499.1	3460.3	2580.5	
		3823.9	2787.1	3183.3	2423.3	3891.9	3133.4				
3049.80	S/Sst	1708.2	659.8	565.0	755.5	307.0	1675.5	2525.8	1626.1	5499.9	0028-1
		832.7	881.6	11392.5	1421.6	5400.1	3934.6	1119.3	4070.8	3007.8	
		3469.5	2728.0	2309.7	1952.5	3731.6	3726.3				
3049.85	S/Sst	1817.9	706.8	505.8	976.5	258.2	1905.3	3266.6	1694.4	6334.2	0029-1
		726.2	1079.1	12757.1	1667.6	6324.3	4307.6	1379.7	4660.1	3495.7	
		4354.2	3320.1	3374.1	2621.1	5825.3	5086.1				

Table 12f: Raw triterpane data (peak height) m/z 191 SIR for Well NOCS 33/9-17

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				
3050.60	S/Sst	755.9 435.6 1756.6	395.9 467.2 1307.2	234.9 6991.4 1163.4	375.2 606.5 811.2	124.2 3247.3 1432.0	887.8 2330.3 1184.6	1187.8 439.7	1253.2 2356.3	3062.9 1617.5	0030-1
3060.80	S/Sst	2004.2 728.3 8909.8	639.1 1416.1 7104.0	831.5 16590.2 5569.0	798.5 2582.8 5040.5	395.6 7460.2 14543.2	1632.7 5347.4 13909.7	2917.5 2082.7	5287.0 6675.9	9069.0 5252.5	0031-1
3109.00	Sh/Clst	1187.3 467.1 2849.6	450.7 944.7 2213.0	436.2 10168.6 1966.7	599.5 1434.3 1618.6	202.9 4537.4 3379.2	1032.3 3206.0 2730.7	2366.5 1050.8	1892.2 2733.5	5293.2 2203.9	0063-1
3110.50	S/Sst	1331.1 435.4 2493.8	628.7 844.4 1908.4	518.4 7926.6 1613.9	581.7 1232.3 1313.1	326.6 3494.7 2665.6	900.4 2554.8 2254.6	1821.1 856.0	1078.6 2363.5	4523.6 1773.5	0024-1
3112.00	Sh/Clst	1659.1 865.6 5161.6	681.0 2033.3 3957.7	697.6 18113.6 3413.9	960.4 3309.3 2648.7	310.2 8433.2 5504.2	1648.6 6043.0 4413.0	4731.6 2412.5	2807.5 5074.7	9459.3 3866.8	0064-1

Depth unit of measure: m

Depth	Lithology	P	Q	R	S	T	A	B	Z	C	Sample
		X	D	E	F	G	H	I	J1	J2	
		K1	K2	L1	L2	M1	M2				
3130.00	Sh/Clst	2580.0	871.0	945.1	1686.6	452.8	2867.3	7123.8	6474.6	14722.7	0085-1
		1727.3	2985.0	29948.6	5780.5	14813.3	10568.1	3637.2	9026.6	6721.0	
		9481.0	7470.5	6705.1	5436.2	9621.2	8100.0				
3157.00	Sh/Clst	2121.9	697.3	818.6	1678.6	320.8	2490.6	7860.1	4591.7	15987.3	0094-1
		1745.0	4034.2	30662.2	7367.0	15468.8	10591.6	4438.8	8301.0	5955.5	
		7636.4	5673.2	6307.0	4744.1	6458.4	5180.9				
3199.00	Sh/Clst	0.0	0.0	0.0	10740.8	0.0	6297.2	50088.6	20406.0	72402.0	0161-1
		10846.5	27641.2	103065.0	43405.4	61813.8	47493.4	28063.9	33335.2	19740.9	
		18498.7	12409.5	12036.4	7968.5	4084.1	3182.5				

Table 12g: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 33/9-17

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					
1986.00	Sh/Clst	374.7	84.7	539.7	322.1	123.9	146.7	237.0	187.2	388.9	0005-1
		303.8	181.6	854.8	234.9	129.0	246.5	192.2	146.6		
		588.8	239.3	231.0	88.7	662.2					
3040.00	Sh/Clst	1125.4	308.5	1971.7	1187.2	468.7	544.3	883.5	617.2	1231.9	0045-1
		1066.1	631.0	2600.7	986.1	349.3	623.7	580.6	449.2		
		1525.4	643.5	521.3	249.3	1450.2					
3048.00	Sh/Clst	2559.9	959.7	5154.9	3352.5	1387.2	1584.5	2378.8	1855.1	3970.3	0015-1
		2816.2	1740.6	6474.2	2169.2	1063.6	2227.3	1754.8	1795.8		
		4795.4	2635.2	2406.3	1505.9	5928.9					
3049.80	S/Sst	2257.9	963.5	6599.6	4658.3	2068.9	2162.6	2962.8	2413.5	3350.0	0028-1
		3880.7	2106.1	6482.9	3153.2	1371.6	1798.2	1897.3	1771.5		
		3620.5	2113.0	2365.4	1629.8	4889.4					
3049.85	S/Sst	3163.5	1362.2	5429.9	3978.1	1678.8	1794.9	2184.2	1813.0	2999.7	0029-1
		2920.1	1824.5	5462.4	2275.0	1022.0	1462.2	1616.2	1533.8		
		3357.6	2009.6	2037.0	1333.0	4289.4					

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					
3050.60	S/Sst	974.4	383.9	2383.5	1631.8	706.0	670.5	963.4	692.8	901.3	0030-1
		1436.9	940.1	1558.1	1191.5	490.3	553.0	842.0	909.4		
		969.4	674.0	1121.3	869.6	1339.4					
3060.80	S/Sst	1722.2	744.5	7954.7	5402.6	2056.5	2442.1	4391.6	3431.0	6523.7	0031-1
		4984.5	2386.8	11867.8	4221.5	2146.0	4021.8	3467.0	2377.2		
		10547.8	5510.5	4837.6	1866.7	13019.5					
3109.00	Sh/Clst	3029.5	1158.7	4759.0	3085.8	1329.2	1546.4	2209.6	1671.7	3417.5	0063-1
		2214.6	1546.6	5639.1	1942.9	857.5	1817.8	1633.9	1388.4		
		4000.4	2101.7	1897.5	1102.5	4494.2					
3110.50	S/Sst	1562.4	743.9	5451.7	3606.8	1520.1	1730.7	2222.6	1732.3	3236.2	0024-1
		2553.0	1748.5	5720.5	2074.1	1020.0	1699.6	1659.6	1602.0		
		3402.0	2054.3	1968.2	1230.7	4167.9					
3112.00	Sh/Clst	3800.8	1631.4	7736.7	5294.5	2198.4	2424.9	3579.3	2830.7	5663.7	0064-1
		4173.2	2801.9	9721.9	3410.9	1571.9	2819.1	2582.5	2227.5		
		5747.3	3361.0	3026.1	1646.8	7535.5					

Table 12g: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 33/9-17

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					
3130.00	Sh/Clst	5146.4	2444.6	12001.8	7990.3	3553.5	3958.6	6309.6	4739.8	8008.3	0085-1
		6658.0	4034.1	14544.1	5609.2	2533.4	4522.6	4125.8	3138.1		
		10500.4	5334.7	4982.8	2662.6	12330.6					
3157.00	Sh/Clst	3741.1	1552.0	10385.7	6784.6	3323.2	3455.5	5059.9	3239.4	5807.6	0094-1
		7945.6	3231.4	8654.4	5833.3	2646.5	2855.4	2317.4	2228.9		
		5563.8	4585.7	3821.2	2357.8	9136.1					
3199.00	Sh/Clst	1054.6	126.3	2526.0	1465.8	1052.6	887.9	2165.2	1196.9	1693.6	0161-1
		9781.8	894.7	1068.8	5629.7	2735.0	900.7	938.9	433.5		
		1167.3	3928.7	4061.9	0.0	8198.8					

Table 12g: Raw sterane data (peak height) m/z 217 SIR for Well NOCS 33/9-17

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					
3130.00	Sh/Clst	5146.4	2444.6	12001.8	7990.3	3553.5	3958.6	6309.6	4739.8	8008.3	0085-1
		6658.0	4034.1	14544.1	5609.2	2533.4	4522.6	4125.8	3138.1		
		10500.4	5334.7	4982.8	2662.6	12330.6					
3157.00	Sh/Clst	3741.1	1552.0	10385.7	6784.6	3323.2	3455.5	5059.9	3239.4	5807.6	0094-1
		7945.6	3231.4	8654.4	5833.3	2646.5	2855.4	2317.4	2228.9		
		5563.8	4585.7	3821.2	2357.8	9136.1					
3199.00	Sh/Clst	1054.6	126.3	2526.0	1465.8	1052.6	887.9	2165.2	1196.9	1693.6	0161-1
		9781.8	894.7	1068.8	5629.7	2735.0	900.7	938.9	433.5		
		1167.3	3928.7	4061.9	0.0	8198.8					

Table 12h: Raw triaromatic sterane data (peak height) m/z 231 for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
1986.00	Sh/Clst	26.5	11.8	33.9	211.2	31.3	70.0	45.1	0005-1
3040.00	Sh/Clst	818.0	475.4	1719.9	5435.7	1278.3	2498.7	1352.9	0045-1
3048.00	Sh/Clst	502.8	292.1	1081.1	2853.6	773.3	1357.2	761.9	0015-1
3049.80	S/Sst	1141.4	998.0	2611.2	6285.1	1926.6	2682.7	2160.5	0028-1
3049.85	S/Sst	1190.0	928.9	1116.3	2749.6	770.9	1193.4	832.5	0029-1
3050.60	S/Sst	595.8	438.4	945.1	2358.8	860.6	1035.3	941.7	0030-1
3060.80	S/Sst	201.8	148.8	605.5	1794.7	467.0	798.0	521.8	0031-1
3109.00	Sh/Clst	958.2	757.5	1651.6	4350.5	1129.6	1851.2	1154.1	0063-1
3110.50	S/Sst	335.8	271.3	1094.8	2783.2	885.8	1314.5	959.3	0024-1
3112.00	Sh/Clst	1220.0	839.8	2109.1	5280.1	1575.7	2553.5	1643.6	0064-1
3130.00	Sh/Clst	891.1	644.1	1880.3	4807.9	1359.2	2245.5	1388.2	0085-1
3157.00	Sh/Clst	758.1	509.8	1359.9	3488.7	1458.9	1508.8	1513.7	0094-1
3199.00	Sh/Clst	254.2	208.7	133.4	538.2	924.9	303.6	926.0	0161-1

Table 12i: Raw monoaromatic sterane data (peak height) m/z 253 for Well NOCS 33/9-17

Depth unit of measure: m

Depth	Lithology	A1	B1	C1	D1	E1	F1	G1	H1	I1	Sample
1986.00	Sh/Clst	3.2	1.5	0.5	0.5	1.7	0.4	0.8	1.1	0.6	0005-1
3040.00	Sh/Clst	970.6	377.1	631.7	475.3	1724.2	201.9	1376.4	490.2	77.2	0045-1
3048.00	Sh/Clst	723.7	285.7	305.6	266.0	838.1	47.6	604.8	240.5	31.6	0015-1
3049.80	S/Sst	2982.4	1551.1	2498.4	2574.9	4420.4	582.0	3824.4	2642.7	837.5	0028-1
3049.85	S/Sst	932.9	265.7	63.5	40.0	102.3	5.4	105.1	62.9	12.8	0029-1
3050.60	S/Sst	1545.4	643.7	338.8	316.5	617.6	40.2	569.2	356.3	60.2	0030-1
3060.80	S/Sst	654.1	262.8	253.8	322.2	837.7	31.6	716.3	620.9	141.1	0031-1
3109.00	Sh/Clst	1219.0	551.1	1134.0	1197.3	2715.4	318.2	2218.0	1351.9	328.4	0063-1
3110.50	S/Sst	945.1	441.2	1508.8	1692.3	3663.7	469.1	2968.4	1906.9	449.4	0024-1
3112.00	Sh/Clst	1386.7	641.0	1301.4	1323.0	3785.2	460.7	2749.8	1582.1	378.5	0064-1
3130.00	Sh/Clst	1254.6	594.2	1302.5	1383.1	3723.5	457.4	1809.1	1610.5	380.3	0085-1
3157.00	Sh/Clst	1068.0	466.5	1380.2	1190.7	2672.1	466.3	2578.1	1580.2	233.4	0094-1
3199.00	Sh/Clst	179.7	47.1	27.4	17.5	98.8	31.1	339.9	282.5	27.5	0161-1