



**Institutt for energiteknikk**  
 Institute for Energy Technology

<b>ADDRESS</b> KJELLER Box 40, N-2007 Kjeller, Norway		<b>HALDEN</b> N-1751 Halden, Norway		<b>AVAILABILITY</b> In Confidence
<b>TELEPHONE</b> +47 63 806000		<b>+47 69 183100</b>		
<b>TELEX</b> - 76 361 isotp n		<b>76 335 energ n</b>		
<b>TELEFAX</b> +47 63 815553				
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	<b>REPORT TITLE</b> VITRINITE REFLECTANCE OF 4 SAMPLES FROM WELL 6406/2-2 OFFSHORE NORWAY		<b>DATE OF LAST REV.</b>	
			<b>REV. NO.</b>	
	<b>CLIENT</b> Saga Petroleum a.s		<b>NUMBER OF PAGES</b>	
<b>CLIENT REF.</b> Per Erling Johansen		<b>NUMBER OF ISSUES</b> 8		
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	<b>NAME</b>	<b>DATE</b>	<b>SIGNATURE</b>	
<b>PREPARED BY</b>	Torbjørn Throndsen	1996-08-01	<i>Torbjørn Throndsen</i>	
<b>REVIEWED BY</b>	Harald Johansen	1996-08-01	<i>Harald Johansen</i>	
<b>APPROVED BY</b>	Torbjørn Throndsen	1996-08-01	<i>Torbjørn Throndsen</i>	

## **1 Introduction**

This report gives the result of routine vitrinite reflectance analyses of 4 samples covering the interval from 4749.5 to 5111.0 mRKB in well 6406/2-2 offshore mid-Norway.

## **2 Material**

### **2.1 Samples**

The material was provided from the client as 4 rock chips without any further information on sample type.

### **2.2 Geological information and casing points**

Information on stratigraphy and casing points was not provided from the client

## **3 Analytical techniques**

### **3.1 Preparation**

The samples were not treated with any acids before further preparation. Bulk rock samples were embedded in an epoxy resin to make briquettes, ground flat and polished using 0.25 micron diamond past and magnesium oxide as the two final steps.

### **3.2 Analysis**

The analytical equipment being used was a Zeiss MPM 03 photometer microscope equipped with an Epiplan-Neofluoar 40/0.90 oil objective. The sensitive measuring spot was kept constant for all the measurements at about 2.5 micron in diameter. The measurements were made through a green band pass filter (546 nm) and in oil immersion (refractive index 1.515 at 18 °C). The readings were made without a polarizer and using a stationary stage. This procedure is called measurement of random reflectance (%Rm).

The photometer was calibrated daily against a standard of known reflectance (%Rm=0.588) and routinely (daily) checked against two other standards of significantly different reflectances (%Rm=0.879 and 1.696). A deviation from these values of less than  $\pm 0.01$  and  $\pm 0.02$  respectively is considered as acceptable. The calibration is

routinely checked during the course of measuring, at least every hour. A deviation of less than  $\pm 0.005$  is considered as acceptable.

For each sample up to 20 points were measured if possible, sometimes more, and quality ratings are given to various aspects which may affect the measurements. The aspects are abundance of vitrinite, uncertainties in the identification of indigenous vitrinite, type of vitrinite, particle size, particle surface quality and abundance of pyrite.

### **3.3 Presentation of results**

The raw data from the measurements are presented in appendix for each sample both as tabulated data and histograms. A true vitrinite population is selected among the readings based on observations made during measurements, and an arithmetic mean value and standard deviation are calculated for this and other populations. A quality rating is given to the true population. The results are listed in table 1.

The results are presented as vitrinite reflectance versus depth plots on linear and semilogarithmic scales (figure 1).

## **4 Results**

It has been possible to establish fairly reliable vitrinite reflectance results for the samples. The relatively high maturity level makes identification of true vitrinite somewhat difficult. This is the main reason for the reduced quality rating of the samples.

Table 1 Vitrinite reflectance data

								Well 6406/2-2
IFE no.	Depth, mRKB	Sample type	Lithology	%Rm	Std. Dev.	N	Quality	Preparation
960820	4749.5		sst/slst	1.03	0.05	20	M	Bulk
960821	5006.0		clst	1.71	0.29	20	P	Bulk
960822	5096.0		clst	1.71	0.26	20	P	Bulk
960823	5111.0		clst	1.63	0.21	20	P	Bulk

Legend					
<b>G</b>	Good quality	<b>st</b>	Staining	<b>sst</b>	sandstone
<b>M</b>	Moderate quality	<b>Barren</b>	Barren of vitrinite	<b>slst</b>	siltstone
<b>P</b>	Poor quality	<b>HF</b>	HF-treated	<b>clst</b>	claystone
<b>X</b>	Not vitrinite	<b>Bulk</b>	Bulk rock	<b>cm</b>	carbominerite
<b>A</b>	Mud additive			<b>lst</b>	limestone

## Appendix V

### Data report from Geolab Nor

# Data Report

## Well NOCS 6406/2-2

Responsible: Kjell Arne Bakken  
Anne-Lise Holmedal

Geolab Nor AS  
Hornebergveien 5  
P.O. Box 5740 Fossegrenda  
7002 Trondheim  
Norway

Date : 29.04.96

Proj.Manager: Kjell Arne Bakken	Client: Saga Petroleum a.s
QA ; Ian L. Ferriday	Client Contact: Nigel Mills
Geolab Nor Proj.: 62245	Client Ref.: K-FK-94-018/EUG-004

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
1280.00	11916	12	13	2	2	16	11945	29	0.2	1.00
1310.00	11410	12	10	2	1	15	11435	25	0.2	2.00
1340.00	6114	6	5	1	1	6	6127	13	0.2	1.00
1370.00	9764	8	4	1	1	4	9778	14	0.1	1.00
1400.00	24021	17	6	2	1	4	24047	26	0.1	2.00
1430.00	17651	15	5	2	1	3	17674	23	0.1	2.00
1460.00	20078	19	12	3	1	6	20113	35	0.2	3.00
1490.00	13107	14	7	3	1	6	13132	25	0.2	3.00
1520.00	10042	13	6	2	1	4	10064	22	0.2	2.00
1550.00	9008	12	6	2	-	4	9028	20	0.2	-
1580.00	17148	28	12	2	1	4	17191	43	0.3	2.00
1610.00	19060	50	34	5	2	7	19151	91	0.5	2.50
1640.00	15794	55	42	6	2	6	15899	105	0.7	3.00
1670.00	18289	60	55	14	3	7	18421	132	0.7	4.67
1700.00	12921	42	37	11	2	6	13013	92	0.7	5.50
1730.00	13735	47	38	12	3	11	13835	100	0.7	4.00
1760.00	25061	87	59	10	5	10	25222	161	0.6	2.00
1790.00	27179	132	105	11	10	13	27437	258	0.9	1.10
1820.00	28045	181	116	42	9	18	28393	348	1.2	4.67
1850.00	29056	191	127	52	10	24	29436	380	1.3	5.20
1890.00	32437	183	70	16	5	11	32711	274	0.8	3.20
1910.00	24741	189	71	19	6	11	25026	285	1.1	3.17
1940.00	28331	318	132	50	12	30	28843	512	1.8	4.17

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
1970.00	81168	968	238	115	19	46	82508	1340	1.6	6.05
2000.00	23635	285	80	40	8	24	24048	413	1.7	5.00
2030.00	28734	298	58	14	6	10	29110	376	1.3	2.33
2060.00	27975	289	57	9	6	11	28336	361	1.3	1.50
2090.00	20133	220	36	5	3	6	20397	264	1.3	1.67
2120.00	11652	289	33	4	3	5	11981	329	2.7	1.33
2150.00	13053	338	29	3	2	3	13425	372	2.8	1.50
2180.00	16508	566	47	8	4	4	17133	625	3.7	2.00
2210.00	18022	480	50	20	7	9	18579	557	3.0	2.86
2240.00	21292	547	60	32	10	11	21941	649	3.0	3.20
2270.00	16202	510	59	46	14	17	16831	629	3.7	3.29
2300.00	20792	673	63	83	18	39	21629	837	3.9	4.61
2330.00	16724	428	36	50	11	32	17249	525	3.0	4.55
2360.00	9554	812	77	138	19	87	10600	1046	9.9	7.26
2390.00	19877	927	100	131	18	186	21053	1176	5.6	7.28
2420.00	19690	988	109	137	18	201	20942	1252	6.0	7.61
2450.00	25770	905	99	119	20	170	26913	1143	4.3	5.95
2480.00	6405	578	212	153	60	208	7408	1003	13.5	2.55
2510.00	6041	386	137	77	37	81	6678	637	9.5	2.08
2540.00	10997	625	308	126	125	165	12181	1184	9.7	1.01
2570.00	11368	1099	1062	654	778	1104	14961	3593	24.0	0.84
2600.00	23941	2472	2383	1345	1670	2241	31811	7870	24.7	0.81
2630.00	35808	3262	2935	1694	2182	4202	45881	10073	22.0	0.78



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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
2660.00	17752	1935	2068	1338	1806	4427	24899	7147	28.7	0.74
2690.00	24634	2556	2238	1454	1900	5472	32782	8148	24.9	0.77
2720.00	27351	2466	2137	1410	2108	7796	35472	8121	22.9	0.67
2750.00	24064	2763	2252	1168	1703	5987	31950	7886	24.7	0.69
2780.00	24983	2548	1936	1001	1321	4379	31789	6806	21.4	0.76
2810.00	32177	3854	3487	1894	2481	7116	43893	11716	26.7	0.76
2840.00	54083	5514	4506	2333	3060	9463	69496	15413	22.2	0.76
2870.00	1487	282	214	64	161	463	2208	721	32.7	0.40
2900.00	786	99	46	16	38	166	985	199	20.2	0.42
2930.00	8035	927	308	71	96	494	9437	1402	14.9	0.74
2960.00	3853	578	256	63	84	520	4834	981	20.3	0.75
2990.00	6969	995	273	54	44	259	8335	1366	16.4	1.23
3020.00	6767	1165	352	82	64	433	8430	1663	19.7	1.28
3050.00	4084	852	280	73	38	56	5327	1243	23.3	1.92
3080.00	5350	994	292	68	35	54	6739	1389	20.6	1.94
3110.00	855	217	78	19	10	16	1179	324	27.5	1.90
3140.00	4993	1002	342	79	38	57	6454	1461	22.6	2.08
3170.00	2257	394	117	23	11	14	2802	545	19.5	2.09
3200.00	1155	331	156	32	19	23	1693	538	31.8	1.68
3230.00	871	192	98	18	13	16	1192	321	26.9	1.38
3260.00	751	239	153	27	22	23	1192	441	37.0	1.23
3290.00	1859	366	194	39	38	142	2496	637	25.5	1.03
3320.00	589	108	65	10	10	16	782	193	24.7	1.00

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
3350.00	3540	854	488	74	86	77	5042	1502	29.8	0.86
3380.00	1592	320	174	24	36	30	2146	554	25.8	0.67
3410.00	2823	894	551	70	121	94	4459	1636	36.7	0.58
3440.00	626	63	47	5	11	14	752	126	16.8	0.45
3470.00	1592	104	94	17	69	101	1876	284	15.1	0.25
3500.00	1207	110	63	9	16	24	1405	198	14.1	0.56
3530.00	1385	177	87	15	21	42	1685	300	17.8	0.71
3560.00	4961	480	200	32	52	74	5725	764	13.3	0.62
3590.00	2694	384	184	32	49	67	3343	649	19.4	0.65
3620.00	2363	445	307	60	104	166	3279	916	27.9	0.58
3650.00	2608	460	321	52	79	111	3520	912	25.9	0.66
3680.00	5552	926	603	107	149	176	7337	1785	24.3	0.72
3710.00	1750	190	118	21	31	52	2110	360	17.1	0.68
3740.00	947	155	142	27	38	84	1309	362	27.6	0.71
3770.00	4493	589	409	76	79	125	5646	1153	20.4	0.96
3800.00	4070	395	226	38	45	73	4774	704	14.8	0.84
3830.00	3857	573	459	81	92	167	5062	1205	23.8	0.88
3860.00	1602	202	148	26	30	55	2008	406	20.2	0.87
3890.00	2398	328	220	38	47	93	3031	633	20.9	0.81
3920.00	6197	469	190	31	40	77	6927	730	10.5	0.77
3950.00	6366	734	444	70	91	180	7705	1339	17.4	0.77
3980.00	4171	413	216	35	45	91	4880	709	14.5	0.78
4010.00	1528	148	74	13	20	47	1783	255	14.3	0.65

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
4040.00	2302	294	181	31	41	74	2849	547	19.2	0.76
4070.00	660	132	108	18	27	62	945	285	30.2	0.67
4100.00	1076	199	156	22	33	68	1486	410	27.6	0.67
4120.00	3296	431	236	34	43	72	4040	744	18.4	0.79
4160.00	1415	123	74	12	19	44	1643	228	13.9	0.63
4190.00	3315	287	88	11	15	22	3716	401	10.8	0.73
4210.00	2599	225	75	12	17	26	2928	329	11.2	0.71
4250.00	864	126	41	6	9	22	1046	182	17.4	0.67
4280.00	647	60	15	2	3	8	727	80	11.0	0.67
4310.00	1156	124	42	7	10	20	1339	183	13.7	0.70
4340.00	1165	135	53	9	13	21	1375	210	15.3	0.69
4370.00	78	28	20	4	8	24	138	60	43.5	0.50
4380.00	10	2	1	-	2	66	15	5	33.3	-
4390.00	12	3	4	2	9	50	30	18	60.0	0.22
4400.00	358	102	61	13	23	50	557	199	35.7	0.57
4420.00	8	-	1	-	2	27	11	3	27.3	-
4430.00	169	56	28	5	10	55	268	99	36.9	0.50
4440.00	168	64	37	5	10	18	284	116	40.8	0.50
4460.00	300	62	28	4	8	17	402	102	25.4	0.50
4503.00	537	53	11	2	3	8	606	69	11.4	0.67
4530.00	333	17	4	-	1	7	355	22	6.2	-
4557.00	2026	39	8	1	1	7	2075	49	2.4	1.00
4584.00	4875	84	7	1	1	5	4968	93	1.9	1.00

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
4611.00	5839	553	69	6	9	25	6476	637	9.8	0.67
4620.00	8014	377	32	2	4	8	8429	415	4.9	0.50
4770.00	441	66	21	3	5	15	536	95	17.7	0.60
4797.00	1932	200	41	6	8	29	2187	255	11.7	0.75
4833.00	1670	182	36	5	7	31	1900	230	12.1	0.71
4860.00	5913	338	35	3	5	13	6294	381	6.1	0.60
5157.00	1241	47	6	1	1	9	1296	55	4.2	1.00
5184.00	1601	46	4	-	1	5	1652	51	3.1	-
5211.00	228	8	11	-	-	2	247	19	7.7	-
5238.00	510	22	18	-	-	3	550	40	7.3	-
5265.00	34	3	5	-	-	1	42	8	19.0	-
5292.00	42	7	11	-	-	3	60	18	30.0	-
5346.00	607	20	2	-	-	4	629	22	3.5	-
5367.00	103	13	3	-	1	19	120	17	14.2	-

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
1280.00	87	1	-	-	-	1	88	1	1.1	-
1310.00	63	1	-	-	-	1	64	1	1.6	-
1340.00	35	1	1	-	-	2	37	2	5.4	-
1370.00	25	-	-	-	-	1	25	-	-	-
1400.00	54	1	1	-	-	1	56	2	3.6	-
1430.00	79	2	1	-	-	2	82	3	3.7	-
1460.00	108	3	2	-	-	2	113	5	4.4	-
1490.00	53	2	1	-	-	1	56	3	5.4	-
1520.00	91	3	2	-	1	2	97	6	6.2	-
1550.00	98	2	1	-	-	1	101	3	3.0	-
1580.00	63	2	1	-	-	2	66	3	4.6	-
1610.00	47	2	2	-	-	2	51	4	7.8	-
1640.00	47	2	2	-	-	1	51	4	7.8	-
1670.00	76	2	3	1	1	2	83	7	8.4	1.00
1700.00	54	1	2	1	-	2	58	4	6.9	-
1730.00	81	2	3	1	1	6	88	7	8.0	1.00
1760.00	55	1	2	-	-	2	58	3	5.2	-
1790.00	56	2	4	1	1	3	64	8	12.5	1.00
1820.00	66	3	6	3	1	5	79	13	16.5	3.00
1850.00	59	3	6	3	1	5	72	13	18.1	3.00
1890.00	75	4	5	2	1	5	87	12	13.8	2.00
1910.00	46	3	4	2	1	5	56	10	17.9	2.00
1940.00	45	3	4	3	1	7	56	11	19.6	3.00

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
1970.00	212	22	29	19	5	21	287	75	26.1	3.80
2000.00	177	10	13	7	2	11	209	32	15.3	3.50
2030.00	244	13	14	3	2	9	276	32	11.6	1.50
2060.00	221	10	11	2	2	9	246	25	10.2	1.00
2090.00	250	12	11	2	2	8	277	27	9.8	1.00
2120.00	164	21	11	2	3	10	201	37	18.4	0.67
2150.00	155	21	8	1	2	5	187	32	17.1	0.50
2180.00	84	16	6	2	1	3	109	25	22.9	2.00
2210.00	81	8	4	3	2	4	98	17	17.3	1.50
2240.00	117	12	6	5	3	7	143	26	18.2	1.67
2270.00	171	18	8	12	5	14	214	43	20.1	2.40
2300.00	134	13	5	10	4	16	166	32	19.3	2.50
2330.00	105	7	2	4	2	9	120	15	12.5	2.00
2360.00	197	86	31	104	22	164	440	243	55.2	4.73
2390.00	142	30	12	31	7	267	222	80	36.0	4.43
2420.00	211	40	13	29	7	275	300	89	29.7	4.14
2450.00	141	25	10	21	6	191	203	62	30.5	3.50
2480.00	38	16	25	43	25	224	147	109	74.2	1.72
2510.00	57	16	22	29	22	175	146	89	61.0	1.32
2540.00	47	15	28	25	41	154	156	109	69.9	0.61
2570.00	79	20	45	49	96	512	289	210	72.7	0.51
2600.00	90	31	86	97	198	1009	502	412	82.1	0.49
2630.00	296	76	176	189	379	2428	1116	820	73.5	0.50

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
1940.00	28376	321	136	53	13	37	28899	523	1.8	4.08
1970.00	81380	990	267	134	24	67	82795	1415	1.7	5.58
2000.00	23812	295	93	47	10	35	24257	445	1.8	4.70
2030.00	28978	311	72	17	8	19	29386	408	1.4	2.13
2060.00	28196	299	68	11	8	20	28582	386	1.3	1.38
2090.00	20383	232	47	7	5	14	20674	291	1.4	1.40
2120.00	11816	310	44	6	6	15	12182	366	3.0	1.00
2150.00	13208	359	37	4	4	8	13612	404	3.0	1.00
2180.00	16592	582	53	10	5	7	17242	650	3.8	2.00
2210.00	18103	488	54	23	9	13	18677	574	3.1	2.56
2240.00	21409	559	66	37	13	18	22084	675	3.1	2.85
2270.00	16373	528	67	58	19	31	17045	672	3.9	3.05
2300.00	20926	686	68	93	22	55	21795	869	4.0	4.23
2330.00	16829	435	38	54	13	41	17369	540	3.1	4.15
2360.00	9751	898	108	242	41	251	11040	1289	11.7	5.90
2390.00	20019	957	112	162	25	453	21275	1256	5.9	6.48
2420.00	19901	1028	122	166	25	476	21242	1341	6.3	6.64
2450.00	25911	930	109	140	26	361	27116	1205	4.4	5.38
2480.00	6443	594	237	196	85	432	7555	1112	14.7	2.31
2510.00	6098	402	159	106	59	256	6824	726	10.6	1.80
2540.00	11044	640	336	151	166	319	12337	1293	10.5	0.91
2570.00	11447	1119	1107	703	874	1616	15250	3803	24.9	0.80

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
1280.00	12003	13	13	2	2	17	12033	30	0.3	1.00
1310.00	11473	13	10	2	1	16	11499	26	0.2	2.00
1340.00	6149	7	6	1	1	8	6164	15	0.2	1.00
1370.00	9789	8	4	1	1	5	9803	14	0.1	1.00
1400.00	24075	18	7	2	1	5	24103	28	0.1	2.00
1430.00	17730	17	6	2	1	5	17756	26	0.2	2.00
1460.00	20186	22	14	3	1	8	20226	40	0.2	3.00
1490.00	13160	16	8	3	1	7	13188	28	0.2	3.00
1520.00	10133	16	8	2	2	6	10161	28	0.3	1.00
1550.00	9106	14	7	2	-	5	9129	23	0.3	-
1580.00	17211	30	13	2	1	6	17257	46	0.3	2.00
1610.00	19107	52	36	5	2	9	19202	95	0.5	2.50
1640.00	15841	57	44	6	2	7	15950	109	0.7	3.00
1670.00	18365	62	58	15	4	9	18504	139	0.8	3.75
1700.00	12975	43	39	12	2	8	13071	96	0.7	6.00
1730.00	13816	49	41	13	4	17	13923	107	0.8	3.25
1760.00	25116	88	61	10	5	12	25280	164	0.7	2.00
1790.00	27235	134	109	12	11	16	27501	266	1.0	1.09
1820.00	28111	184	122	45	10	23	28472	361	1.3	4.50
1850.00	29115	194	133	55	11	29	29508	393	1.3	5.00
1890.00	32512	187	75	18	6	16	32798	286	0.9	3.00
1910.00	24787	192	75	21	7	16	25082	295	1.2	3.00



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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
4611.00	39116	4583	424	37	52	1243	44212	5096	11.5	0.71
4620.00	55625	4186	355	30	39	94	60235	4610	7.7	0.77
4770.00	784	61	33	9	17	30	904	120	13.3	0.53
4797.00	2149	108	15	3	4	36	2279	130	5.7	0.75
4833.00	1444	59	17	4	6	24	1530	86	5.6	0.67
4860.00	227	88	88	24	48	108	475	248	52.2	0.50
5157.00	23362	835	65	7	12	41	24281	919	3.8	0.58
5184.00	30826	771	51	8	12	53	31668	842	2.7	0.67
5211.00	33907	990	68	12	18	56	34995	1088	3.1	0.67
5238.00	9637	335	46	12	15	53	10045	408	4.1	0.80
5265.00	844	59	25	5	8	21	941	97	10.3	0.63
5292.00	162	32	10	2	3	8	209	47	22.5	0.67
5346.00	314	20	17	4	7	59	362	48	13.3	0.57
5367.00	613	69	14	2	4	10	702	89	12.7	0.50

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
4040.00	50	10	14	5	8	31	87	37	42.5	0.63
4070.00	47	8	10	3	6	29	74	27	36.5	0.50
4100.00	33	10	15	4	7	25	69	36	52.2	0.57
4120.00	79	19	24	6	10	32	138	59	42.7	0.60
4160.00	75	18	18	4	7	28	122	47	38.5	0.57
4190.00	254	45	19	4	5	14	327	73	22.3	0.
4210.00	146	40	18	4	6	16	214	68	31.8	0.67
4250.00	24	7	5	1	2	8	39	15	38.5	0.50
4280.00	58	15	7	1	2	8	83	25	30.1	0.50
4310.00	100	38	19	4	8	28	169	69	40.8	0.50
4340.00	97	16	14	4	7	18	138	41	29.7	0.57
4370.00	98	12	7	2	3	11	122	24	19.7	0.67
4380.00	95	11	5	1	2	15	114	19	16.7	0.50
4390.00	147	23	17	4	9	29	200	53	26.5	0.44
4400.00	225	42	33	7	13	25	320	95	29.7	0.54
4420.00	162	13	5	1	2	8	183	21	11.5	0.
4430.00	195	36	30	5	11	29	277	82	29.6	0.45
4440.00	211	36	30	5	9	16	291	80	27.5	0.56
4460.00	102	22	12	2	4	15	142	40	28.2	0.50
4503.00	68	10	5	1	2	5	86	18	20.9	0.50
4530.00	116	5	2	-	1	5	124	8	6.5	-
4557.00	4731	109	7	1	1	38	4849	118	2.4	1.00
4584.00	36896	978	40	2	5	72	37921	1025	2.7	0.40

Table1b: C1 to C7 hydrocarbons in CUTTINGS gas  
(µl gas/kg rock)

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
3350.00	49	15	22	6	9	10	101	52	51.5	0.67
3380.00	43	15	21	5	9	9	93	50	53.8	0.56
3410.00	36	18	27	6	12	13	99	63	63.6	0.50
3440.00	29	4	7	1	4	16	45	16	35.6	0.25
3470.00	92	7	-	2	4	13	105	13	12.4	0.50
3500.00	69	8	7	2	3	6	89	20	22.5	0.67
3530.00	195	16	11	3	5	8	230	35	15.2	0.60
3560.00	233	32	20	5	9	18	299	66	22.1	0.56
3590.00	237	35	10	2	4	10	288	51	17.7	0.50
3620.00	114	49	63	20	36	85	282	168	59.6	0.56
3650.00	33	11	20	6	10	23	80	47	58.7	0.60
3680.00	58	16	26	9	14	29	123	65	52.8	0.64
3710.00	33	10	14	5	8	23	70	37	52.9	0.63
3740.00	20	6	12	4	6	19	48	28	58.3	0.67
3770.00	52	18	31	10	14	47	125	73	58.4	0.71
3800.00	40	11	17	6	8	35	82	42	51.2	0.75
3830.00	62	14	21	7	10	35	114	52	45.6	0.70
3860.00	45	11	19	6	9	41	90	45	50.0	0.67
3890.00	59	14	19	6	10	44	108	49	45.4	0.60
3920.00	58	18	20	6	10	39	112	54	48.2	0.60
3950.00	62	18	23	6	10	40	119	57	47.9	0.60
3980.00	84	26	28	7	12	41	157	73	46.5	0.58
4010.00	49	15	18	5	8	34	95	46	48.4	0.63

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
2660.00	115	40	112	130	268	1706	665	550	82.7	0.49
2690.00	134	54	131	134	295	2041	748	614	82.1	0.45
2720.00	100	34	75	82	186	1459	477	377	79.0	0.44
2750.00	71	30	64	53	119	1028	337	266	78.9	0.45
2780.00	96	37	75	62	132	1082	402	306	76.1	0.47
2810.00	72	34	75	65	140	1132	386	314	81.4	0.4
2840.00	113	39	76	65	139	1261	432	319	73.8	0.47
2870.00	16	10	14	6	17	250	63	47	74.6	0.35
2900.00	16	5	5	2	4	109	32	16	50.0	0.50
2930.00	41	19	17	5	6	77	88	47	53.4	0.83
2960.00	56	15	13	5	5	56	94	38	40.4	1.00
2990.00	41	16	13	5	4	46	79	38	48.1	1.25
3020.00	48	19	13	5	4	34	89	41	46.1	1.25
3050.00	41	12	11	5	3	7	72	31	43.1	1.67
3080.00	74	19	15	6	4	9	118	44	37.3	1.50
3110.00	39	9	8	3	2	4	61	22	36.1	1.5
3140.00	40	11	12	6	4	9	73	33	45.2	1.50
3170.00	49	19	17	6	4	7	95	46	48.4	1.50
3200.00	44	10	13	5	4	6	76	32	42.1	1.25
3230.00	41	7	8	3	2	4	61	20	32.8	1.50
3260.00	51	9	13	4	4	5	81	30	37.0	1.00
3290.00	60	19	22	7	10	46	118	58	49.2	0.70
3320.00	47	6	8	2	3	6	66	19	28.8	0.67

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
2600.00	24031	2503	2469	1442	1868	3250	32313	8282	25.6	0.77
2630.00	36104	3338	3111	1883	2561	6630	46997	10893	23.2	0.74
2660.00	17867	1975	2180	1468	2074	6133	25564	7697	30.1	0.71
2690.00	24768	2610	2369	1588	2195	7513	33530	8762	26.1	0.72
2720.00	27451	2500	2212	1492	2294	9255	35949	8498	23.6	0.65
2750.00	24135	2793	2316	1221	1822	7015	32287	8152	25.2	0.67
2780.00	25079	2585	2011	1063	1453	5461	32191	7112	22.1	0.73
2810.00	32249	3888	3562	1959	2621	8248	44279	12030	27.2	0.75
2840.00	54196	5553	4582	2398	3199	10724	69928	15732	22.5	0.75
2870.00	1503	292	228	70	178	713	2271	768	33.8	0.39
2900.00	802	104	51	18	42	275	1017	215	21.1	0.43
2930.00	8076	946	325	76	102	571	9525	1449	15.2	0.75
2960.00	3909	593	269	68	89	576	4928	1019	20.7	0.76
2990.00	7010	1011	286	59	48	305	8414	1404	16.7	1.23
3020.00	6815	1184	365	87	68	467	8519	1704	20.0	1.28
3050.00	4125	864	291	78	41	63	5399	1274	23.6	1.90
3080.00	5424	1013	307	74	39	63	6857	1433	20.9	1.90
3110.00	894	226	86	22	12	20	1240	346	27.9	1.83
3140.00	5033	1013	354	85	42	66	6527	1494	22.9	2.02
3170.00	2306	413	134	29	15	21	2897	591	20.4	1.93
3200.00	1199	341	169	37	23	29	1769	570	32.2	1.61
3230.00	912	199	106	21	15	20	1253	341	27.2	1.40

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
3260.00	802	248	166	31	26	28	1273	471	37.0	1.19
3290.00	1919	385	216	46	48	188	2614	695	26.6	0.96
3320.00	636	114	73	12	13	22	848	212	25.0	0.92
3350.00	3589	869	510	80	95	87	5143	1554	30.2	0.84
3380.00	1635	335	195	29	45	39	2239	604	27.0	0.64
3410.00	2859	912	578	76	133	107	4558	1699	37.3	0.57
3440.00	655	67	54	6	15	30	797	142	17.8	0.40
3470.00	1684	111	94	19	73	114	1981	297	15.0	0.26
3500.00	1276	118	70	11	19	30	1494	218	14.6	0.58
3530.00	1580	193	98	18	26	50	1915	335	17.5	0.69
3560.00	5194	512	220	37	61	92	6024	830	13.8	0.61
3590.00	2931	419	194	34	53	77	3631	700	19.3	0.64
3620.00	2477	494	370	80	140	251	3561	1084	30.4	0.57
3650.00	2641	471	341	58	89	134	3600	959	26.6	0.65
3680.00	5610	942	629	116	163	205	7460	1850	24.8	0.71
3710.00	1783	200	132	26	39	75	2180	397	18.2	0.67
3740.00	967	161	154	31	44	103	1357	390	28.7	0.70
3770.00	4545	607	440	86	93	172	5771	1226	21.2	0.92
3800.00	4110	406	243	44	53	108	4856	746	15.4	0.83
3830.00	3919	587	480	88	102	202	5176	1257	24.3	0.86
3860.00	1647	213	167	32	39	96	2098	451	21.5	0.82
3890.00	2457	342	239	44	57	137	3139	682	21.7	0.77

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
3920.00	6255	487	210	37	50	116	7039	784	11.1	0.74
3950.00	6428	752	467	76	101	220	7824	1396	17.8	0.75
3980.00	4255	439	244	42	57	132	5037	782	15.5	0.74
4010.00	1577	163	92	18	28	81	1878	301	16.0	0.64
4040.00	2352	304	195	36	49	105	2936	584	19.9	0.73
4070.00	707	140	118	21	33	91	1019	312	30.6	0.64
4100.00	1109	209	171	26	40	93	1555	446	28.7	0.65
4120.00	3375	450	260	40	53	104	4178	803	19.2	0.75
4160.00	1490	141	92	16	26	72	1765	275	15.6	0.62
4190.00	3569	332	107	15	20	36	4043	474	11.7	0.75
4210.00	2745	265	93	16	23	42	3142	397	12.6	0.70
4250.00	888	133	46	7	11	30	1085	197	18.2	0.64
4280.00	705	75	22	3	5	16	810	105	13.0	0.60
4310.00	1256	162	61	11	18	48	1508	252	16.7	0.61
4340.00	1262	151	67	13	20	39	1513	251	16.6	0.65
4370.00	176	40	27	6	11	35	260	84	32.3	0.55
4380.00	105	13	6	1	4	81	129	24	18.6	0.25
4390.00	159	26	21	6	18	79	230	71	30.9	0.33
4400.00	583	144	94	20	36	75	877	294	33.5	0.56
4420.00	170	13	6	1	4	35	194	24	12.4	0.25
4430.00	364	92	58	10	21	84	545	181	33.2	0.48
4440.00	379	100	67	10	19	34	575	196	34.1	0.53

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

Project: NOCS 6406/2-2

Well: NOCS 6406/2-2

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
4460.00	402	84	40	6	12	32	544	142	26.1	0.50
4503.00	605	63	16	3	5	13	692	87	12.6	0.60
4530.00	449	22	6	-	2	12	479	30	6.3	-
4557.00	6757	148	15	2	2	45	6924	167	2.4	1.00
4584.00	41771	1062	47	3	6	77	42889	1118	2.6	0.50
4611.00	44955	5136	493	43	61	1268	50688	5733	11.3	0.70
4620.00	63639	4563	387	32	43	102	68664	5025	7.3	0.74
4770.00	1225	127	54	12	22	45	1440	215	14.9	0.55
4797.00	4081	308	56	9	12	65	4466	385	8.6	0.75
4833.00	3114	241	53	9	13	55	3430	316	9.2	0.69
4860.00	6140	426	123	27	53	121	6769	629	9.3	0.51
5157.00	24603	882	71	8	13	50	25577	974	3.8	0.62
5184.00	32427	817	55	8	13	58	33320	893	2.7	0.62
5211.00	34135	998	79	12	18	58	35242	1107	3.1	0.67
5238.00	10147	357	64	12	15	56	10595	448	4.2	0.80
5265.00	878	62	30	5	8	22	983	105	10.7	0.63
5292.00	204	39	21	2	3	11	269	65	24.2	0.67
5346.00	921	40	19	4	7	63	991	70	7.1	0.57
5367.00	716	82	17	2	5	29	822	106	12.9	0.40



Table 2: Isotope GC Analysis of Headspace Gas for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2	C3	iC4	nC4	C5+	CO2	D	Sample
2630.00	cut	bulk	-39.5	-35.0	-22.5	-31.3	-30.0	-	-	-181.0	0046-0B
3470.00	cut	bulk	-48.1	-39.5	-28.8	-34.7	-30.1	-	-15.9	-	0074-0B
3530.00	cut	bulk	-42.1	-32.6	-29.2	-29.6	-28.6	-	-12.2	-	0076-0B
4160.00	cut	bulk	-44.5	-33.2	-29.6	-	-30.3	-	-14.6	-	0097-0B
4380.00	cut	bulk	-	-	-	-	-	-	-13.3	-	0108-0B
4390.00	cut	bulk	-	-	-	-	-	-	-14.9	-	0109-0B
4430.00	cut	bulk	-27.6	-29.7	-27.4	-27.5	-27.1	-	-12.5	-	0106-0B
4530.00	cut	bulk	-32.3	-29.1	-	-	-	-	-5.1	-	0113-0B
4620.00	cut	bulk	-33.5	-27.7	-26.2	-	-	-	-15.3	-176.0	0117-0B
4860.00	cut	bulk	-41.2	-34.4	-	-	-	-	-14.9	-	0121-0B
5157.00	cut	bulk	-35.5	-26.3	-	-	-	-	-12.9	-	0122-0B
5346.00	cut	bulk	-	-	-	-	-	-	-13.3	-	0128-0B
5367.00	cut	bulk	-	-	-	-	-	-	-18.8	-	0129-0B

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
1280.00			0001
		90 S/Sst	: v col
		10 Cont	: cem, ns
			0001-1L
			0001-2L
1310.00			0002
		100 S/Sst	: v col, fos
		tr Coal	: blk
			0002-1L
			0002-2L
1340.00			0003
		100 S/Sst	: lt ol gy, calc, fos, f
		tr S/Sst	: v col
			0003-1L
			0003-2L
1370.00			0004
		90 S/Sst	: lt ol gy, calc, fos, f
		10 S/Sst	: v col, crs, l
			0004-1L
			0004-2L
1400.00			0005
		50 S/Sst	: lt ol gy, calc, fos, f
		50 S/Sst	: v col, crs, l
		tr Coal	: blk
			0005-1L
			0005-2L
			0005-3L
1430.00			0006
		70 S/Sst	: lt ol gy, calc, fos, f
		30 S/Sst	: v col, crs, l
		tr Coal	: blk
			0006-1L
			0006-2L
			0006-3L
1460.00			0007
		50 S/Sst	: lt ol gy, calc, fos, f
		50 S/Sst	: v col, crs, l
		tr Coal	: blk
			0007-1L
			0007-2L
			0007-3L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
1490.00				0008
			50 S/Sst	: lt ol gy, calc, fos, f 0008-1L
			50 S/Sst	: v col, crs, l 0008-2L
			tr Coal	: blk 0008-3L
1520.00				0009
			50 S/Sst	: lt ol gy, calc, fos, f 0009-1L
			50 S/Sst	: v col, crs, l 0009-2L
			tr Coal	: blk 0009-3L
1550.00				0010
			50 S/Sst	: lt ol gy, calc, fos, f 0010-1L
			50 S/Sst	: v col, crs, l 0010-2L
			tr Coal	: blk 0010-3L
1580.00				0011
			60 S/Sst	: lt ol gy, calc, fos, f 0011-1L
			40 S/Sst	: v col, crs, l 0011-2L
			tr Coal	: blk 0011-3L
1610.00				0012
			90 S/Sst	: ol gy, f 0012-1L
			10 S/Sst	: v col, crs, l 0012-2L
			tr Coal	: blk 0012-3L
1640.00				0013
			100 S/Sst	: ol gy, f 0013-1L
			tr S/Sst	: v col, crs, l 0013-2L
1670.00				0014
			100 Sltst	: ol gy, s 0014-1L
			tr S/Sst	: v col, crs, l 0014-2L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%		
-----			
	%	Lithology description	
-----			
1700.00			0015
	100 Sltst	: ol gy, s	0015-1L
	tr S/Sst	: v col, crs, l	0015-2L
1730.00			0016
	100 Sltst	: ol gy, s	0016-1L
	tr S/Sst	: v col, crs, l	0016-2L
1760.00			0017
	100 Sltst	: ol gy, s	0017-1L
	tr Other	: gn, glauc	0017-2L
1790.00			0018
	100 Sltst	: ol gy, s	0018-1L
	tr Other	: gn, glauc	0018-2L
1820.00			0019
	100 Sltst	: ol gy to pl y brn, s	0019-1L
1850.00			0020
	100 Sltst	: ol gy to pl y brn, s	0020-1L
1890.00			0021
	100 Sltst	: ol gy to pl y brn, s	0021-1L
1910.00			0022
	100 Sltst	: ol gy to pl y brn, s	0022-1L
1940.00			0023
	90 Sltst	: ol gy to pl y brn, s	0023-1L
	10 Cont	: cem, dd	0023-2L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth		Type	Trb	Sample
Int	Cvd	TOC%		
		%	Lithology description	
	1970.00			0024
		100 Sltst		0024-1L
	2000.00			0025
		100 Sltst		0025-1L
	2030.00			0026
		100 Sltst		0026-1L
	2060.00			0027
		100 Sltst		0027-1L
	2090.00			0028
		100 Sltst		0028-1L
	2120.00			0029
		100 Sh/Clst:		0029-1L
	2150.00			0030
		100 Sh/Clst:		0030-1L
	2180.00			0031
		100 Sh/Clst:		0031-1L
	2210.00			0032
		100 Sh/Clst:		0032-1L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
2240.00				0033
		100	Sh/Clst: ol gy to lt gn gy to pl y brn	0033-1L
2270.00				0034
		100	Sh/Clst: ol gy to lt gn gy to pl y brn	0034-1L
2300.00				0035
		100	Sh/Clst: ol gy to lt gn gy to pl y brn	0035-1L
2330.00				0036
		100	Sh/Clst: ol gy to lt gn gy to pl y brn	0036-1L
2360.00				0037
		100	Sh/Clst: ol gy to lt gn gy to pl y brn	0037-1L
2390.00				0038
		90	Sh/Clst: ol gy to lt gn gy to pl y brn	0038-1L
		10	Sh/Clst: red brn	0038-2L
2420.00				0039
		90	Sh/Clst: ol gy to lt gn gy to pl y brn	0039-1L
		10	Sh/Clst: red brn	0039-2L
2450.00				0040
	0.60	80	Sh/Clst: ol gy to lt gn gy to pl y brn	0040-1L
		10	Sh/Clst: red brn	0040-2L
		10	Sh/Clst: drk gy	0040-3L
2480.00				0041
	0.88	70	Sh/Clst: ol gy to lt gy to pl y brn	0041-1L
		20	Sh/Clst: drk gy	0041-3L
		10	Sh/Clst: red brn	0041-2L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description	
2510.00					0042
	0.49	70	Sh/Clst: ol gy to lt gy to pl y brn		0042-1L
		25	Sh/Clst: drk gy		0042-3L
		5	Sh/Clst: red brn		0042-2L
2540.00					0043
	0.79	95	Sh/Clst: lt gy to pl y brn to drk gy		0043-1L
		5	Sh/Clst: red brn		0043-2L
		tr	Other : pyr, glauc		0043-3L
2570.00					0044
	0.53	85	Sh/Clst: lt gy to pl y brn to drk gy		0044-1L
		10	Ca : w, chk		0044-4L
		5	Sh/Clst: red brn		0044-2L
		tr	Other : pyr, glauc		0044-3L
2600.00					0045
	0.74	90	Sh/Clst: m gy to pl y brn to drk gy, calc		0045-1L
		10	Ca : w, chk		0045-4L
		tr	Sh/Clst: red brn		0045-2L
		tr	Other : pyr, glauc		0045-3L
2630.00					0046
	1.17	90	Sh/Clst: gn gy to m gy to pl y brn to drk gy, calc, slt		0046-1L
		10	Ca : w, chk		0046-4L
		tr	Sh/Clst: red brn		0046-2L
		tr	Other : pyr, glauc		0046-3L
2660.00					0047
	0.80	100	Sh/Clst: gn gy to m gy to pl y brn to drk gy, calc, slt		0047-1L
		tr	Sh/Clst: red brn		0047-2L
		tr	Other : pyr, glauc		0047-3L
		tr	Ca : w, chk		0047-4L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2690.00				0048
	0.78	100 Sh/Clst: m gy to pl y brn to drk gy, calc, slt tr Sh/Clst: red brn		0048-1L 0048-2L
2720.00				0049
	0.85	50 Sh/Clst: m gy to drk gy, slt 50 S/Sst : m gy to drk gy, cly		0049-1L 0049-2L
2750.00				0050
	0.86	50 Sh/Clst: m gy to drk gy, slt 50 S/Sst : m gy to drk gy, cly, glauc		0050-1L 0050-2L
2780.00				0051
	0.83	50 Sh/Clst: m gy to drk gy, slt 50 S/Sst : m gy to drk gy, cly, glauc		0051-1L 0051-2L
2810.00				0052
	1.03	50 Sh/Clst: m gy to drk gy, slt 50 S/Sst : m gy to drk gy, cly, glauc		0052-1L 0052-2L
2840.00				0053
	0.92	50 Sh/Clst: m gy to drk gy, slt 50 S/Sst : m gy to drk gy, cly, glauc		0053-1L 0053-2L
2870.00				0054
	1.45	50 Sh/Clst: m gy to drk gy, slt 50 S/Sst : m gy to drk gy, cly, glauc		0054-1L 0054-2L
2900.00				0055
	1.99	50 Sh/Clst: m gy to drk gy, slt 50 S/Sst : m gy to drk gy, cly, glauc		0055-1L 0055-2L



Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
2930.00					0056
	1.72	50	Sh/Clst: m gy to drk gy, slt		0056-1L
		50	S/Sst : m gy to drk gy, cly, glauc		0056-2L
2960.00					0057
	1.70	50	Sh/Clst: m gy to drk gy, slt		0057-1L
		50	S/Sst : m gy to drk gy, cly, glauc		0057-2L
2990.00					0058
	1.63	50	Sh/Clst: m gy to drk gy, slt		0058-1L
		50	S/Sst : m gy to drk gy, cly, glauc		0058-2L
3020.00					0059
	1.38	100	Sh/Clst: m gy to drk gy, slt, s		0059-1L
3050.00					0060
	1.96	100	Sh/Clst: m gy to drk gy, slt, s		0060-1L
3080.00					0061
	2.01	100	Sh/Clst: m gy to drk gy, slt, s		0061-1L
3110.00					0062
	2.05	100	Sh/Clst: m gy to drk gy, slt, s		0062-1L
3140.00					0063
	1.66	100	Sh/Clst: m gy to drk gy, slt, s		0063-1L
3170.00					0064
	1.37	100	Sh/Clst: m gy to drk gy, slt, s		0064-1L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description	
3200.00					0065
		1.35	100	Sh/Clst: m gy to drk gy, slt, s	0065-1L
3230.00					0066
		1.96	100	Sh/Clst: m gy to drk gy, slt, s	0066-1L
3260.00					0067
		1.95	100	Sh/Clst: m gy to drk gy, slt, s	0067-1L
3290.00					0068
		2.06	100	Sh/Clst: m gy to drk gy, slt, s	0068-1L
3320.00					0069
		1.75	100	Sh/Clst: m gy to drk gy, slt, s	0069-1L
3350.00					0070
		1.41	100	Sh/Clst: m gy to drk gy, slt, s	0070-1L
3380.00					0071
		1.68	100	Sh/Clst: m gy to drk gy, slt, s	0071-1L
3410.00					0072
		2.11	100	Sh/Clst: m gy to drk gy, slt, s	0072-1L
3440.00					0073
		1.87	100	Sh/Clst: m gy to drk gy, slt, s	0073-1L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type				Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3470.00						0074
		1.93	100	Sh/Clst: m gy to drk gy, slt, s, glauc		0074-1L
3500.00						0075
		1.55	100	Sh/Clst: m gy to drk gy, slt, s, glauc		0075-1L
3530.00						0076
		1.43	100	Sh/Clst: m gy to drk gy, slt, s, glauc		0076-1L
3560.00						0077
		1.80	100	Sh/Clst: m gy to drk gy, slt, s, glauc		0077-1L
3590.00						0078
		1.64	100	Sh/Clst: m gy to drk gy, slt, s		0078-1L
3620.00						0079
		1.81	100	Sh/Clst: m gy to drk gy, slt, s		0079-1L
3650.00						0080
		1.50	100	Sh/Clst: m gy to drk gy, slt, s		0080-1L
3680.00						0081
		1.21	100	Sh/Clst: m gy to drk gy, slt, s		0081-1L
3710.00						0082
		1.58	100	Sh/Clst: m gy to drk gy, slt, s		0082-1L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth		Type		Trb	Sample
Int	Cvd	TOC%	%		
Lithology description					
3740.00					0083
		1.94	100	Sh/Clst: m gy to drk gy, slt, s	0083-1L
3770.00					0084
		2.17	100	Sh/Clst: m gy to drk gy, slt, s	0084-1L
3800.00					0085
		1.94	100	Sh/Clst: m gy to drk gy, slt, s	0085-1L
3830.00					0086
		1.62	100	Sh/Clst: m gy to drk gy, slt, s	0086-1L
3860.00					0087
		1.70	100	Sh/Clst: m gy to drk gy, slt, s	0087-1L
3890.00					0088
		1.99	100	Sh/Clst: m gy to drk gy, slt, s	0088-1L
3920.00					0089
		2.03	100	Sh/Clst: m gy to drk gy, slt, s	0089-1L
3950.00					0090
		1.88	100	Sh/Clst: m gy to drk gy, slt, s	0090-1L
3980.00					0091
		1.70	100	Sh/Clst: m gy to drk gy, slt, s	0091-1L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int	Cvd	TOC%	% Lithology description
4010.00			0092
	1.69	100	Sh/Clst: m gy to drk gy, slt, s 0092-1L
4040.00			0093
	1.72	100	Sh/Clst: m gy to drk gy, slt, s 0093-1L
4070.00			0094
	1.71	100	Sh/Clst: m gy to drk gy, slt, s 0094-1L
4100.00			0095
	2.13	100	Sh/Clst: m gy to drk gy, slt, s 0095-1L
4120.00			0096
	1.89	100	Sh/Clst: m gy to drk gy, slt, s 0096-1L
4160.00			0097
	1.92	100	Sh/Clst: drk gy, slt, s 0097-1L
4190.00			0098
	2.65	100	Sh/Clst: drk gy, slt, s 0098-1L
4210.00			0099
	2.45	100	Sh/Clst: drk gy, slt, s 0099-1L
4250.00			0100
	2.35	100	Sh/Clst: drk gy to brn blk 0100-1L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
4280.00					0101
	2.14	100	Sh/Clst: drk gy to brn blk tr Sh/Clst: red brn tr Ca : m gy		0101-1L 0101-2L 0101-3L
4310.00					0102
	2.08	100	Sh/Clst: drk gy to brn blk tr Sh/Clst: red brn tr Ca : m gy		0102-1L 0102-2L 0102-3L
4340.00					0103
	2.18	100	Sh/Clst: drk gy to brn blk tr Sh/Clst: red brn tr Ca : m gy		0103-1L 0103-2L 0103-3L
4370.00					0104
	1.75	90	Sh/Clst: drk gy to brn blk 5 Sh/Clst: red brn 5 Ca : m gy		0104-1L 0104-2L 0104-3L
4380.00					0108
		95	Sh/Clst: drk gy to gy blk 5 Ca : w to lt gy, chk		0108-1L 0108-2L
4390.00					0109
		100	Sh/Clst: drk gy to gy blk tr Ca : w to lt gy, chk		0109-1L 0109-2L
4400.00					0105
	3.03	100	Sh/Clst: drk gy to brn blk		0105-1L

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
4420.00			100 Sh/Clst: gy blk
4430.00	3.98	100	Sh/Clst: drk gy to brn blk
4440.00			100 Sh/Clst: gy blk
4460.00	3.39	100	Sh/Clst: drk gy to brn blk
4503.00			40 Sh/Clst: drk gy to gy blk 40 S/Sst : lt gy, l 20 Cont : prp, bar, fib
4530.00			60 Sh/Clst: drk gy to gy blk, trbofgs 30 Cont : cem, prp, bar, fib 10 S/Sst : lt gy, l
4557.00			75 Sh/Clst: drk gy to gy blk, trbofgs 20 Cont : cem, prp, bar, kln 5 S/Sst : lt gy, l
4584.00			100 Sh/Clst: blk, carb, trbofgs

Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
4611.00			0116
	100		Sh/Clst: blk, carb, trbofgs 0116-1L
4620.00			0117
	100		Sh/Clst: blk, carb, trbofgs 0117-1L
4770.00			0118
	80		S/Sst : w, l 0118-2L
	10		Sh/Clst: blk, carb, trbofgs 0118-1L
	10		Cont : prp, bar, kln 0118-3L
4797.00			0119
	90		Sltst : lt gy 0119-2L
	10		Sh/Clst: blk, carb, trbofgs 0119-1L
	tr		Cont : prp, bar, kln 0119-3L
4833.00			0120
	80		Sltst : lt gy 0120-2L
	10		Sh/Clst: blk, carb, trbofgs 0120-1L
	10		S/Sst : w, l 0120-4L
	tr		Cont : prp, bar, kln 0120-3L
4860.00			0121
	90		S/Sst : w to lt gy, l 0121-2L
	10		Sh/Clst: blk, carb, trbofgs 0121-1L
	tr		Cont : prp, bar, kln 0121-3L
5157.00			0122
	90		Sh/Clst: blk, carb, trbofgs 0122-1L
	10		S/Sst : w to lt gy, l 0122-2L
	tr		Cont : prp, bar, kln 0122-3L



Table 3 : Lithology description for well NOCS 6406/2-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
5184.00			0123
		90 Sh/Clst: blk, carb, trbofgs	0123-1L
		10 S/Sst : w to lt gy, l	0123-2L
		tr Cont : prp, bar, kln	0123-3L
5211.00			0124
		80 S/Sst : w to lt gy, l	0124-2L
		20 Sh/Clst: blk, carb, trbofgs	0124-1L
		tr Cont : prp, bar, kln	0124-3L
5238.00			0125
		50 Sh/Clst: blk, carb, trbofgs	0125-1L
		50 S/Sst : w to lt gy	0125-2L
		tr Cont : prp, bar, kln	0125-3L
5265.00			0126
		80 Cont : cem	0126-3L
		10 Sh/Clst: blk, carb, trbofgs	0126-1L
		10 S/Sst : w to lt gy	0126-2L
5292.00			0127
		80 Cont : cem	0127-3L
		10 Sh/Clst: drk gy to gy blk	0127-1L
		10 S/Sst : w to lt gy	0127-2L
5346.00			0128
		90 Cont : cem	0128-3L
		5 Sh/Clst: drk gy to gy blk	0128-1L
		5 S/Sst : w to lt gy	0128-2L
5367.00			0129
		70 Cont : cem	0129-3L
		25 S/Sst : w to lt gy	0129-2L
		5 Sh/Clst: drk gy to gy blk	0129-1L