5.3 FORMATION PRESSURE AND SAMPLING

6 RFT's were performed in well 25/2-10.

Run 1: 985 m TVD (1085.5 m MD) - tight.
1016.5 m TVD (1129 m MD) - segregated sample.

Run 2: 1943.5-2057 m TVD (2231-2352 m MD); 20 measurements with strain gauge.

Sampling: 1963.5 m TVD (2252 m MD) - no flow.
1965 m TVD (2253.5 m MD) - no flow.
1947.1 m TVD (2234.6 m MD) - segregated sample gas and mud-filtrate.

Run 3: 1964.5-2024 m TVD (2230.5-2317 m MD); 20 measurements, 10 with strain gauge, 10 with HP-gauge.

Sampling: 1963.5 m TVD (2252 m MD) - oil and mud filtrate.

Fluid sampling data (successful attempts)

A) 1016.5 m TVD

2 3/4 gallon chamber:
P surface: 1400 psi, 0.467 m^3 gas, 0.5 dm^3 mud filtrate, salinity 23 g/dm^3.

1 gallon chamber:
P surface: 1000 psi
Kept close and a compositional analysis was performed by GECO. Results see appendix 3.

B)

1. 1947.1 m TVD

2 3/4 gallon chamber:
P surface: 1900 psi; 0.94 m^3 gas, 2 dm^3 mud filtrate, brownish with bright yellow fluorescence.

1 gallon chamber:
P surface: 2000 psi. Compositional analysis performed, (appendix 3).

3. 1964.1 m TVD

2 3/4 gallon chamber:
P surface: 1200 psi; 0.14 m^3 gas, 10.4 dm^3 oil, oil filtrate. After 6 hours decanting: 2.3 dm^3 filtrate (salinity 32-33 g/dm^3, res: 0.253 ohmm at 6.7 °C (44°F) and 6.2 dm^3 of brown oil.

Laboratory results of oil sample performed by GECO (appendix 3).

1 gallon chamber:
P surface: 1400 psi - PVT analysis performed; not representative.

GECO

formation gas sample analysis

RESULTS

Bottle no. 10730.

Component	Wt %	mol %	Mol weight
Nitrogen	1.61	0.94	
Carbon dioxide	1.93	0.72	
Methane	95.08	97.63	
Ethane	1.21	0.66	
Propane	0.06	0.02	
Iso-Butane	0.01	0.004	
n-Butane	0.01	0.003	
Iso-Pentane	0.001	0.001	
n-Pentane	0.001	0.001	
Hexanes (Group)	0.010	0.002	79.1
2.2-Dimethylbutane	0.003	0.001	
Cyclopentane	0.004	0.001	
2-Methylpentane	0.001	0.000	
n-Hexane	0.002	0.000	
Heptanes (Group)	0.030	0.004	95.0
Methylcyclopentane	0.002	0.000	
Cyclohexane	0.007	0.001	
n-Heptane	0.021	0.003	
Octanes (Group)	0.020	0.003	111.0
Methylcyclohexane	0.004	0.001	
2.3-Dimethylhexane	0.007	0.001	
n-Octane	0.009	0.001	
Nonanes (Group)	0.03	0.005	120.0
Xylene	0.01	0.002	
n-Nonane	0.02	0.003	
Decanes +	0.00	0.00	

25/2-10 formation gas sample analysis

GECO

Bottle no. A 13208.

Component	Wt %	mol %	Mol weight
Nitrogen	1.39	0.83	
Carbon dioxide	0.28	0.11	
Methane	91.85	95.62	
Ethane	6.00	3.33	
Propane	0.11	0.04	
Iso-Butane	0.02	0.005	
n-Butane	0.03	0.007	
Iso-Pentane	0.003	0.001	
n-Pentane	0.004	0.001	
Hexanes (Group)	0.20	0.040	84.9
2.2-Dimethylbutane	0.01	0.003	
Cyclopentane	0.01	0.003	
2.3-Dimethylbutane	0.05	0.009	
2-Methylpentane	0.03	0.006	
n-Hexane	0.10	0.019	
Heptanes (Group)	0.074	0.014	86.4
Methylcyclopentane	0.032	0.006	
Cyclohexane	0.030	0.006	
3-Methylhexane	0.006	0.001	
n-Heptane	0.006	0.001	
Octanes (Group)	0.019	0.003	111.1
Methylcyclohexane	0.003	0.001	
2.3-Dimethylhexane	0.003	0.001	
n-Octane	0.013	0.001	
Nonanes (Group)	0.02	0.004	106.2
Xylene	0.02	0.004	
Decanes +	0.00	0.00	

GECO

RFT-sample from well 25/2-10, sampled on February 15th 1986 at depth 2252.5 m.

Result of the analysis

The sample was an emulsion of oil, water and very fine granulated particles. It was brown coloured.

Density determined with an AP PAAR Density meter	:	0.9460 g/ml at 15°C 0.9180 g/ml at 60°C
Vicosity at 60°C in acordance with ASTM D 445	:	43 cSt
Water content determined by Karl Fisher titration	:	34 wt %
Sediment and water content in accordance with ASTM D 96	:	32 vol % water 0.5 vol % sediment

Remark: Due to large content of solid particles the sample was filtered through a 150 microns filter before the viscosity test.

Geochemical Report for

Well NOCS 25/2-10

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Date : 19.03.93

Chapter 1

1.1 General Comments

The samples, 5 core chips and 155 cuttings samples, were collected at the Norwegian Petroleum Directorate in Stavanger. The cuttings samples were washed, described and picked before analyses commenced, while the core chips were analysed after cleansing of any superficial contamination. Both screening and follow-up analyses

were performed on samples covering the depth range 1000 - 2967 m (TD).

1.2 Analytical Program

Based on samples availability and the screening analyses results, the following analytical program was executed for Well NOCS 25/2-10 in the section 1000 - 2967 m:

Analysis type	No of samples	Figures	Tables
Lithology description	160	1	1
TOC	51	1	1,2
Rock-Eval pyrolysis	51	2,3,4	2
Thermal extraction GC (GHM, S_1)	21	5a-b	
Pyrolysis GC (GHM, S_2)	21	6a-c,7a-b	3
Soxhlet Extraction of organic matter	7		
MPLC separation	7		4
Saturated hydrocarbon GC	7	8a-b	5
Aromatic hydrocarbon GC	7	9a-b	6
Vitrinite reflectance	12	10	7
Visual kerogen microscopy	10	11	7,8
Isotope composition C_{15}+ fractions	3	12,13	9a-b
GC - MS of saturated and aromatic HC	3	14a-i	10a-i

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
1000.00								0001
			100	S/Sst		: w to lt gy, l		0001-1L
			tr	Sh/Clst		: gy blk, slt		0001-2L
			tr	Cont		: prp		0001-3L
1030.00								0002
			100	S/Sst		: w to lt gy, rnd, l		0002-1L
			tr	Sh/Clst		: w, brn blk, calc, slt		0002-2L
			tr	Cont		: prp		0002-3L
1060.00								0003
		0.11	60	S/Sst		: w to lt gy to m gy, slt		0003-1L
			40	Cont		: cem, prp		0003-2L
1090.00								0004
			60	S/Sst		: w to lt gy to m gy, hd, l		0004-1L
			40	Cont		: cem, prp		0004-2L
1120.00								0005
			95	Cont		: dd, fib		0005-1L
			5	S/Sst		: lt gy w, f, crs, l		0005-2L
1150.00								0006
			100	Cont		: Mica-ad, prp, ns, dd, bar, fib		0006-1L
			95	Cont		: dd, fib		0006-3L
			5	S/Sst		: lt gy w, f, crs, l		0006-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
1180.00									0007
			100	Cont				: dd, fib	0007-1L
1210.00									0008
			100	Sh/Clst				: lt ol gy, calc, s, dd, bar, fib, sft	0008-2L
			100	Cont				: dd	0008-4L
			tr	Cont				: Mica-ad, ns	0008-3L
			tr	Cont				: m brn	0008-5L
1240.00									0009
			100	Cont				: dd	0009-4L
			70	Sh/Clst				: pl y brn, slt, dd	0009-1L
			25	S/Sst				: w to m gy	0009-3L
			5	Cont				: prp, fib	0009-2L
1270.00									0010
			100	Cont				: dd, ns	0010-5L
			tr	S/Sst				: lt gy w, f, l	0010-6L
			tr	Ca				: lt or w, fos	0010-7L
1300.00									0011
			100	Sh/Clst				: pl y brn, slt, Mica-ad, dd, fib	0011-1L
1330.00									0012
			100	Sh/Clst				: pl y brn, calc, slt, Mica-ad, dd, fib	0012-1L
			tr	Cont				: prp	0012-2L
			tr	Ca				: w to y gy	0012-3L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
1360.00								0013
			100	Cont		: dd		0013-5L
			85	Sh/Clst		: pl y brn, calc, slt, Mica-ad, dd, fib		0013-1L
			10	Ca		: w to y gy		0013-3L
			5	Meta		: m drk gy		0013-4L
			tr	Cont		: prp, ns		0013-2L
1390.00								0014
			100	Cont		: dd		0014-2L
			tr	Ca		: w to y gy		0014-3L
			tr	Meta		: m drk gy		0014-4L
1420.00								0015
			90	Cont		: dd		0015-2L
			5	Ca		: lt or w to y gy, fos		0015-3L
			5	Meta		: m drk gy		0015-4L
1450.00								0016
			90	Cont		: dd, prp		0016-2L
			5	S/Sst		: w to m gy		0016-3L
			5	Meta		: m drk gy		0016-4L
1480.00								0017
			90	Cont		: dd, prp		0017-2L
			5	S/Sst		: w to m gy		0017-3L
			5	Meta		: m drk gy		0017-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
1510.00								0018
			90	Cont	:	dd, prp		0018-5L
			75	Sh/Clst	:	lt gy to lt brn gy, calc, slt, Mica-ad, dd		0018-1L
			15	S/Sst	:	w to m gy		0018-3L
			10	Meta	:	m drk gy		0018-4L
			5	S/Sst	:	w to lt gy, f, crs, l		0018-6L
			5	Meta	:	m drk gy		0018-7L
			tr	Cont	:	prp		0018-2L
1540.00								0019
			90	Cont	:	dd, prp		0019-2L
			5	S/Sst	:	w to m gy		0019-3L
			5	Meta	:	m drk gy		0019-4L
			tr	Other	:	pyr		0019-5L
1570.00								0020
			100	Cont	:	dd, prp		0020-2L
			tr	S/Sst	:	w to m gy		0020-3L
			tr	Meta	:	m drk gy		0020-4L
			tr	Other	:	pyr		0020-5L
1600.00								0021
			100	Sltst	:	lt brn gy to pl y brn, calc, s		0021-1L
			tr	Ca	:	gy pi, cly		0021-2L
			tr	Cont	:	dd		0021-3L
1630.00								0022
			95	Sh/Clst	:	lt brn gy to pl y brn, calc, pyr, slt		0022-1L
			5	Ca	:	gy pi, cly		0022-2L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
1660.00								0023
			100	Sltst	: lt brn gy to pl y brn, calc, s			0023-1L
1690.00								0024
			100	Sltst	: lt brn gy to pl y brn, calc, s			0024-1L
			tr	Ca	: dsk y brn, dol			0024-2L
			tr	Cont	: prp			0024-3L
1720.00								0025
		1.35	100	Sltst	: lt brn gy to pl y brn, calc, s			0025-1L
			tr	Sh/Clst	: y gy, calc, slt			0025-2L
			tr	Sltst	: m drk gy, pyr			0025-3L
			tr	Cont	: prp, ns, fib			0025-4L
1750.00								0026
			80	S/Sst	: w to y gy, rnd, l			0026-2L
			20	Sltst	: lt brn gy to pl y brn, calc, cly			0026-1L
			tr	Sltst	: m drk gy, pyr			0026-3L
			tr	Cont	: prp, ns, fib			0026-4L
1780.00								0027
			70	Sltst	: y gy, pl y brn, calc, cly			0027-1L
			20	Sltst	: m drk gy, pyr			0027-3L
			5	S/Sst	: w, rnd, l			0027-2L
			5	Ca	: m y brn to drk y brn, dol			0027-5L
			tr	Cont	: ns			0027-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
1810.00							0028
	0.27	70	Ca		: lt gy to m gy, dol		0028-3L
		30	Sltst		: y gy, pl y brn, calc, cly		0028-1L
		tr	Sh/Clst		: w to lt gy, calc, slt		0028-4L
1840.00							0029
		50	Sltst		: m gy to m drk gy, pyr		0029-2L
		40	Sltst		: y gy, pl y brn, calc, cly		0029-1L
		10	Sh/Clst		: w to lt gy, calc, slt		0029-4L
		tr	Ca		: m y brn to drk y brn, dol		0029-3L
1870.00							0030
		65	Sh/Clst		: lt ol gy to pl y brn, calc, slt		0030-4L
		20	Sltst		: m gy to m drk gy, pyr		0030-2L
		15	Sltst		: drk y brn to pl y brn, calc, cly		0030-1L
		tr	Ca		: m y brn to drk y brn, dol		0030-3L
1900.00							0031
		70	Sh/Clst		: lt ol gy to pl y brn, calc, slt		0031-4L
		20	Sltst		: m gy to m drk gy, pyr		0031-2L
		10	Sltst		: drk y brn to pl y brn, calc, cly		0031-1L
		tr	Ca		: drk y brn, dol		0031-3L
1930.00							0032
		70	Sh/Clst		: lt ol gy to pl y brn, calc, slt		0032-4L
		20	Sltst		: m gy to m drk gy, pyr		0032-2L
		10	Sltst		: y gy to pl y brn, calc, cly		0032-1L
		tr	Ca		: drk y brn, dol		0032-3L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
1960.00								0033
			70	Sh/Clst:		lt ol gy to pl y brn, calc, slt		0033-4L
			10	Sltst	:	y gy to lt gy to pl y brn, calc, cly		0033-1L
			10	Sltst	:	m gy to m drk gy, pyr		0033-2L
			10	Ca	:	gy brn to m y brn, dol		0033-3L
1990.00								0034
			70	Sh/Clst:		lt ol gy to pl y brn, calc, slt		0034-4L
		0.67	20	Ca	:	gy brn to m y brn, dol		0034-3L
			10	Sltst	:	m gy to m drk gy, pyr		0034-2L
			tr	Sltst	:	y gy to lt gy to pl y brn, calc, cly		0034-1L
2020.00								0035
		0.65	95	Sh/Clst:		lt ol gy to pl y brn, calc, slt		0035-4L
			5	Ca	:	gy brn to m y brn, dol		0035-3L
			tr	Sltst	:	y gy to lt gy, calc, cly		0035-1L
			tr	Sltst	:	m gy to m drk gy, pyr		0035-2L
2050.00								0036
			85	Sh/Clst:		lt ol gy to pl y brn, calc, slt		0036-4L
			5	Sltst	:	m gy to m drk gy, pyr		0036-2L
			5	Ca	:	drk brn, dol		0036-3L
			5	Sh/Clst:		y gy to or gy, calc		0036-5L
			tr	Sltst	:	y gy to lt gy, calc, cly		0036-1L
2080.00								0037
		0.54	85	Sh/Clst:		ol gy to lt gy, lt ol gy, calc, slt		0037-3L
			10	Ca	:	m y brn to drk brn, dol		0037-2L
			5	Sltst	:	m gy to m drk gy, pyr		0037-1L
			tr	Sh/Clst:		y gy to or gy, calc		0037-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample
				Lithology description				
2110.00								0038
			90	Sh/Clst:		ol gy to lt gy, lt ol gy, calc, slt		0038-3L
			5	Ca	:	m y brn to drk brn, dol		0038-2L
			5	Sh/Clst:		y gy to or gy, calc		0038-4L
			tr	Sltst	:	m gy to m drk gy, pyr		0038-1L
2140.00								0039
			90	Sh/Clst:		ol gy to lt brn gy, lt ol gy, calc, slt		0039-2L
			10	Ca	:	w, cly		0039-4L
			tr	Ca	:	m y brn to drk brn, dol		0039-1L
			tr	Sh/Clst:		y gy to or gy, calc		0039-3L
2167.00								0040
			100	Sh/Clst:		ol gy, lt ol gy, calc, slt		0040-2L
			tr	Ca	:	m y brn to drk brn, dol		0040-1L
			tr	Ca	:	w, cly		0040-3L
			tr	Coal	:	blk		0040-4L
2200.00								0041
		0.10	100	Sh/Clst:		ol gy, lt ol gy, calc, slt		0041-1L
2210.00								0042
			100	Sh/Clst:		ol gy, lt ol gy, calc, slt		0042-1L
2215.00								0043
			100	Sh/Clst:		ol gy, lt ol gy, calc, slt		0043-1L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2220.00								0044	
			100					0044-1L	Sh/Clst: ol gy, lt ol gy
2225.00								0045	
			100					0045-1L	Sh/Clst: ol gy, lt ol gy
2233.00								0046	
			80					0046-1L	Sh/Clst: ol gy, lt ol gy
			20					0046-2L	Sh/Clst: gy red
2235.00								0047	
			100					0047-1L	Sh/Clst: ol gy, lt ol gy
			tr					0047-2L	Sh/Clst: gy red, fe
			tr					0047-3L	Cont : prp, ns, fib
2237.50								0048	
		6.71	100					0048-1L	S/Sst : drk y brn to pl y brn, f
2242.00								0049	
		0.28	100					0049-1L	S/Sst : w to y gy, f, l
2246.90								0050	
			70					0050-1L	S/Sst : w to pl y brn, f, l
			30					0050-2L	Sltst : y gy to m drk gy, cly, mic

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
2251.50						0051
		1.02	100	S/Sst : w to m y brn, f, st, l		0051-1L
2257.50						0052
		0.78	100	S/Sst : w to m y brn, f, st, l		0052-1L
2262.00						0053
		0.28	100	S/Sst : w to m y brn, f, st, l		0053-1L
2267.00						0054
		0.26	100	S/Sst : w to m y brn, f, st, l		0054-1L
2275.00						0055
			90	Sh/Clst: ol gy to lt ol gy		0055-1L
			10	Sh/Clst: gy red, fe		0055-2L
2285.00						0056
			90	Sh/Clst: ol gy to lt ol gy		0056-1L
			10	Sh/Clst: gy red		0056-2L
2295.00						0057
		0.19	90	Sh/Clst: ol gy to lt ol gy		0057-1L
			10	Sh/Clst: gy red		0057-2L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2305.00								0058	
			80					0058-2L	S/Sst : w, f, l
			20					0058-1L	Sh/Clst: ol gy to lt ol gy
			tr					0058-3L	Cont : prp
2315.00								0059	
			80					0059-2L	S/Sst : w, f, l
			20					0059-1L	Sh/Clst: ol gy to lt ol gy
			tr					0059-3L	Cont : prp
2320.00								0060	
			70					0060-1L	Sh/Clst: ol gy to lt ol gy
			20					0060-2L	S/Sst : w, f, l
			10					0060-4L	Sh/Clst: gy red
			tr					0060-3L	Cont : prp
2325.00								0061	
		0.13	70					0061-2L	S/Sst : w, f, l
			30					0061-1L	Sh/Clst: ol gy to lt ol gy
			tr					0061-3L	Cont : prp
			tr					0061-4L	Sh/Clst: gy red
2330.00								0062	
			55					0062-2L	S/Sst : w, l
			45					0062-1L	Sh/Clst: ol gy to lt ol gy
			tr					0062-3L	Cont : prp
			tr					0062-4L	Sh/Clst: gy red, drk y brn

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Lithology description	Sample
2335.00									0063
			60					Sh/Clst: ol gy to lt ol gy	0063-1L
			40					S/Sst : w, l	0063-2L
			tr					Cont : prp	0063-3L
			tr					Sh/Clst: gy red, drk y brn	0063-4L
2340.00									0064
		0.05	65					S/Sst : w, l	0064-2L
			35					Sh/Clst: ol gy to lt ol gy	0064-1L
			tr					Cont : prp	0064-3L
			tr					Sh/Clst: gy red	0064-4L
2350.00									0065
			65					S/Sst : w, l	0065-2L
			35					Sh/Clst: ol gy to lt ol gy	0065-1L
			tr					Cont : prp, fib	0065-3L
			tr					Sh/Clst: gy red	0065-4L
2360.00									0066
		0.03	65					S/Sst : w, l	0066-2L
			35					Sh/Clst: ol gy to lt ol gy	0066-1L
			tr					Cont : Mica-ad, prp, fib	0066-3L
			tr					Sh/Clst: gy red	0066-4L
2370.00									0067
			65					S/Sst : w, l	0067-2L
			35					Sh/Clst: ol gy to lt ol gy	0067-1L
			tr					Cont : Mica-ad, prp, fib	0067-3L
			tr					Sh/Clst: gy red	0067-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2375.00								0068
			95	Sh/Clst:		ol gy to lt ol gy, calc		0068-1L
			5	S/Sst	:	w, l		0068-2L
			tr	Cont	:	fib		0068-3L
			tr	Sh/Clst:		pl or, calc		0068-4L
2380.00								0069
		0.17	100	Sh/Clst:		ol gy to lt ol gy		0069-1L
			tr	Sh/Clst:		y gy to pl or, calc		0069-2L
2390.00								0070
			90	Sh/Clst:		ol gy to lt ol gy		0070-1L
			10	S/Sst	:	w to y gy		0070-4L
			tr	Sh/Clst:		y gy to pl or, calc		0070-2L
			tr	Cont	:	prp		0070-3L
2400.00								0071
		0.03	80	S/Sst	:	w		0071-4L
			20	Sh/Clst:		ol gy to lt ol gy		0071-1L
			tr	Sh/Clst:		y gy to pl or, calc		0071-2L
			tr	Cont	:	prp		0071-3L
			tr	Sh/Clst:		gy red		0071-5L
2405.00								0072
			75	S/Sst	:	w		0072-4L
			25	Sh/Clst:		ol gy to lt ol gy		0072-1L
			tr	Sh/Clst:		y gy to pl or, calc		0072-2L
			tr	Cont	:	prp, fib		0072-3L
			tr	Sh/Clst:		gy red		0072-5L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2410.00								0073	
		0.14	65					0073-4L	S/Sst : w to y gy
			35					0073-1L	Sh/Clst: ol gy to lt ol gy
			tr					0073-2L	Sh/Clst: y gy to pl or, calc
			tr					0073-3L	Cont : prp, fib
2420.00								0074	
			75					0074-1L	Sh/Clst: ol gy to lt ol gy
			20					0074-4L	S/Sst : w to y gy
			5					0074-5L	Coal : blk
			tr					0074-2L	Sh/Clst: y gy to pl or, calc
			tr					0074-3L	Cont : prp, fib
2425.00								0075	
			75					0075-1L	Sh/Clst: ol gy to lt ol gy
			20					0075-4L	S/Sst : w to y gy
			5					0075-5L	Coal : blk
			tr					0075-2L	Sh/Clst: y gy to pl or, calc
			tr					0075-3L	Cont : prp, fib
2430.00								0076	
			80					0076-1L	Sh/Clst: ol gy to lt ol gy
			10					0076-6L	Sltst : ol gy, blk, mic, bit
			5					0076-4L	Coal : blk
			5					0076-5L	Sh/Clst: gy red
			tr					0076-2L	Sh/Clst: y gy to pl or, calc
			tr					0076-3L	Cont : prp
2440.00								0077	
			70					0077-1L	Sh/Clst: ol gy to lt ol gy
			15					0077-6L	S/Sst : w, l
		0.88	10					0077-5L	Sltst : ol gy, blk, mic, bit
			5					0077-4L	Sh/Clst: gy red
			tr					0077-2L	Cont : prp, ns
			tr					0077-3L	Coal : blk, brn blk

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2450.00							0078
		80	Sh/Clst: ol gy to lt ol gy				0078-1L
		15	S/Sst : w to y gy, l				0078-5L
		5	Sh/Clst: gy red				0078-4L
		tr	Cont : prp				0078-2L
		tr	Coal : blk, brn blk				0078-3L
2460.00							0079
	0.21	75	Sh/Clst: y gy to ol gy to lt ol gy				0079-1L
		20	Sh/Clst: gy red				0079-3L
		5	S/Sst : w to y gy, l				0079-4L
		tr	Cont : prp				0079-2L
		tr	Coal : blk to brn blk, bit				0079-5L
2470.00							0080
		70	Sh/Clst: y gy to ol gy to lt ol gy				0080-1L
		25	Sh/Clst: gy red, drk y brn				0080-2L
		5	S/Sst : w to y gy, l				0080-3L
		tr	Coal : blk to brn blk, bit				0080-4L
2480.00							0081
		80	Sh/Clst: y gy to ol gy to lt ol gy				0081-1L
		20	Sh/Clst: gy red, drk y brn				0081-2L
		tr	S/Sst : w to y gy, l				0081-3L
		tr	Coal : blk to brn blk, bit				0081-4L
2485.00							0082
		90	Sh/Clst: y gy to ol gy to lt ol gy				0082-1L
		10	Sh/Clst: gy red, drk y brn				0082-2L
		tr	S/Sst : w to y gy, l				0082-3L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2490.00							0083
	0.17	90	Sh/Clst: y gy to ol gy to lt ol gy				0083-1L
		5	Sh/Clst: gy red, drk y brn				0083-2L
		5	S/Sst : w to y gy, slt				0083-3L
2500.00							0084
		75	Sh/Clst: y gy to ol gy to lt ol gy				0084-1L
		20	S/Sst : w to y gy to lt gy, slt				0084-3L
		5	Sh/Clst: gy red, drk y brn				0084-2L
		tr	Cont : prp				0084-4L
2510.00							0085
		30	Sh/Clst: y gy to ol gy to lt ol gy				0085-1L
		30	S/Sst : w to y gy to lt gy, slt				0085-3L
		30	Sh/Clst: m gy to m drk gy				0085-4L
		10	Sh/Clst: gy red, drk y brn				0085-2L
2515.00							0086
	0.10	70	S/Sst : w to y gy to lt gy, l				0086-3L
		20	Sh/Clst: m gy to m drk gy				0086-4L
		10	Sh/Clst: y gy to ol gy to lt ol gy				0086-1L
		tr	Sh/Clst: gy red, drk y brn				0086-2L
2520.00							0087
	0.22	50	S/Sst : w to y gy to lt gy, l				0087-3L
		40	Sh/Clst: m gy to m drk gy				0087-4L
		10	Sh/Clst: y gy to ol gy to lt ol gy				0087-1L
		tr	Sh/Clst: gy red, drk y brn				0087-2L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2525.00							0088
		70	Sh/Clst: m gy to m drk gy				0088-4L
		20	Sh/Clst: y gy to ol gy to lt ol gy				0088-1L
		10	S/Sst : w to y gy to lt gy, l				0088-3L
		tr	Sh/Clst: gy red, drk y brn				0088-2L
		tr	Cont : prp				0088-5L
2535.00							0089
	0.73	80	Sh/Clst: m gy to m drk gy				0089-4L
		10	Sh/Clst: y gy to ol gy to lt ol gy				0089-1L
		5	S/Sst : w to y gy to lt gy, l				0089-3L
		5	Sltst : w to lt gy, cly				0089-6L
		tr	Sh/Clst: gy red, drk y brn				0089-2L
		tr	Cont : prp				0089-5L
2540.00							0090
		80	Sh/Clst: m gy to m drk gy				0090-4L
		10	Sh/Clst: y gy to ol gy to lt ol gy				0090-1L
		5	S/Sst : w to y gy to lt gy, l				0090-3L
		5	Sltst : w to lt gy, cly				0090-6L
		tr	Sh/Clst: gy red, drk y brn				0090-2L
		tr	Cont : prp				0090-5L
2545.00							0091
		40	Sh/Clst: m gy to m drk gy				0091-3L
		30	Sh/Clst: y gy to ol gy to lt ol gy				0091-1L
	0.69	20	Sltst : w to lt gy, cly				0091-5L
		10	Sh/Clst: gy red, drk y brn				0091-2L
		tr	Cont : prp, fib				0091-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2550.00								0092
			50	Sh/Clst: m gy to m drk gy				0092-3L
			35	Sh/Clst: y gy to ol gy to lt ol gy				0092-1L
			10	Sltst : w to lt gy, cly				0092-5L
			5	Sh/Clst: gy red, drk y brn				0092-2L
			tr	Cont : prp, fib				0092-4L
2555.00								0093
			95	Sh/Clst: m gy to m drk gy				0093-1L
			5	Ca : w to lt gy, chk				0093-3L
			tr	Cont : prp, fib				0093-2L
			tr	S/Sst : w to lt gy, f				0093-4L
2560.00								0094
		1.26	95	Sh/Clst: m gy to m drk gy, st				0094-1L
			5	Ca : w to lt gy, chk				0094-3L
			tr	Cont : prp				0094-2L
			tr	S/Sst : w to lt gy, f				0094-4L
			tr	Sh/Clst: brn blk				0094-5L
2565.00								0095
			95	Sh/Clst: m gy to m drk gy				0095-1L
			5	Ca : w to lt gy, chk				0095-3L
			tr	Cont : st, prp				0095-2L
			tr	S/Sst : w to lt gy, f				0095-4L
2570.00								0096
			50	Sh/Clst: m gy to m drk gy				0096-1L
		0.16	50	S/Sst : w to lt gy, l				0096-3L
			tr	Cont : prp, fib				0096-2L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2575.00								0097
			70	Sh/Clst:		m gy to m drk gy		0097-1L
			25	S/Sst	:	w to lt gy, l		0097-3L
			5	Ca	:	w, m y brn, st		0097-4L
			tr	Cont	:	prp, fib		0097-2L
2580.00								0098
			80	Sh/Clst:		m gy to m drk gy		0098-1L
			15	S/Sst	:	w to lt gy, l		0098-3L
			5	Ca	:	w, m y brn, st		0098-4L
			tr	Cont	:	prp, fib		0098-2L
2582.00								0099
			70	Sh/Clst:		ol gy to m drk gy		0099-1L
			30	Sltst	:	lt ol gy		0099-2L
2587.00								0100
		0.11	100	S/Sst	:	w to y gy, f, l		0100-1L
2592.00								0101
		0.16	100	S/Sst	:	w to y gy, f, l		0101-1L
2597.00								0102
		0.10	100	S/Sst	:	w to y gy, f, l		0102-1L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample / Lithology description
2605.00								0103
			35	Sh/Clst: lt ol gy, slt				0103-4L
			30	S/Sst : w, f, l				0103-1L
			30	Sh/Clst: m drk gy				0103-2L
			5	Coal : blk				0103-3L
2610.00								0104
			35	S/Sst : w, f, l				0104-1L
			35	Sh/Clst: ol gy to lt ol gy, slt				0104-3L
			30	Sh/Clst: m drk gy				0104-2L
			tr	Sh/Clst: gy red				0104-4L
2620.00								0105
			55	S/Sst : w, f, l				0105-1L
			30	Sh/Clst: m drk gy				0105-2L
			15	Sh/Clst: ol gy to lt ol gy				0105-3L
			tr	Sh/Clst: gy red				0105-4L
			tr	Cont : prp				0105-5L
2630.00								0106
		0.50	55	S/Sst : w, f, l				0106-1L
			30	Sh/Clst: m drk gy				0106-2L
			15	Sh/Clst: ol gy to lt ol gy				0106-3L
			tr	Cont : prp				0106-4L
2640.00								0107
			55	S/Sst : w, f, l				0107-1L
			30	Sh/Clst: m drk gy				0107-2L
			15	Sh/Clst: ol gy to lt ol gy				0107-3L
			tr	Cont : prp				0107-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2650.00								0108
			55			S/Sst : w, f, l		0108-1L
			40			Sh/Clst: m drk gy		0108-2L
			5			Sh/Clst: ol gy to lt ol gy		0108-3L
			tr			Cont : prp, fib		0108-4L
2660.00								0109
		1.41	70			Sh/Clst: m gy to m drk gy		0109-2L
			30			S/Sst : w, f, l		0109-1L
			tr			Cont : prp, fib		0109-3L
			tr			Ca : w, lt gy		0109-4L
2670.00								0110
		0.32	70			S/Sst : w, f, l		0110-1L
			30			Sh/Clst: m gy to m drk gy		0110-2L
			tr			Cont : prp, fib		0110-3L
			tr			Ca : w, lt gy		0110-4L
2680.00								0111
			70			S/Sst : w, l		0111-1L
			30			Sh/Clst: lt gy to m gy to m drk gy		0111-2L
			tr			Cont : prp		0111-3L
			tr			Ca : w, lt gy		0111-4L
			tr			Sh/Clst: lt ol gy		0111-5L
2690.00								0112
			75			S/Sst : w to y gy, l		0112-1L
			25			Sh/Clst: lt gy to m drk gy		0112-2L
			tr			Cont : prp		0112-3L
			tr			Sh/Clst: lt ol gy		0112-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age / Lithology description	Trb	Sample
2695.00								0113
		0.44	70	S/Sst		: w to y gy, l		0113-1L
			30	Sh/Clst		: lt gy to m drk gy		0113-2L
			tr	Cont		: prp		0113-3L
2700.00								0114
			90	Sh/Clst		: lt ol gy to m drk gy		0114-2L
			10	S/Sst		: w to y gy, l		0114-1L
			tr	Cont		: prp		0114-3L
2705.00								0115
			90	Sh/Clst		: lt ol gy to m gy		0115-2L
			10	S/Sst		: w to y gy, l		0115-1L
			tr	Cont		: prp		0115-3L
			tr	Ca		: w, chk		0115-4L
2710.00								0116
			90	Sh/Clst		: lt ol gy to m gy		0116-2L
			10	S/Sst		: w to y gy, l		0116-1L
			tr	Cont		: prp		0116-3L
			tr	Ca		: w, chk		0116-4L
2715.00								0117
			95	Sh/Clst		: lt ol gy to m gy		0117-2L
			5	Ca		: w, chk		0117-4L
			tr	S/Sst		: w to y gy, l		0117-1L
			tr	Cont		: prp		0117-3L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
2720.00						0118
			95	Sh/Clst: lt ol gy to m gy		0118-1L
			5	Ca : w, chk		0118-3L
			tr	Cont : prp		0118-2L
2725.00						0119
			100	Sh/Clst: ol gy		0119-1L
			tr	Cont : prp		0119-2L
2730.00						0120
			100	Sh/Clst: ol gy		0120-1L
			tr	Cont : prp		0120-2L
2735.00						0121
			100	Sh/Clst: ol gy		0121-1L
			tr	Cont : prp		0121-2L
2740.00						0122
		1.09	100	Sh/Clst: ol gy to m drk gy		0122-1L
			tr	Cont : prp		0122-2L
2750.00						0123
			70	Sh/Clst: m gy to m drk gy		0123-1L
			25	Sh/Clst: lt ol gy		0123-4L
			5	Sh/Clst: gy red, drk y brn		0123-3L
			tr	Cont : prp		0123-2L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2755.00							0124
		75	Sh/Clst: m gy to m drk gy				0124-1L
		25	Sh/Clst: lt ol gy				0124-3L
		tr	Cont : prp				0124-2L
2760.00							0125
		65	Sh/Clst: m gy to m drk gy				0125-1L
		35	Sh/Clst: lt ol gy				0125-3L
		tr	Cont : prp				0125-2L
2765.00							0126
		55	Sh/Clst: m gy to m drk gy				0126-1L
		45	Sh/Clst: lt ol gy				0126-3L
		tr	Cont : prp				0126-2L
		tr	Sh/Clst: gy red, drk y brn				0126-4L
2770.00							0127
		55	Sh/Clst: m gy to m drk gy				0127-1L
		45	Sh/Clst: lt ol gy				0127-3L
		tr	Cont : prp				0127-2L
		tr	Sh/Clst: gy red, drk y brn				0127-4L
2775.00							0128
		55	Sh/Clst: m gy to m drk gy				0128-1L
		45	Sh/Clst: lt ol gy				0128-3L
		tr	Cont : prp				0128-2L
		tr	Sh/Clst: gy red, drk y brn				0128-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp	Frm	Age	Trb	Sample	Lithology description
2780.00								0129	
			55					0129-1L	Sh/Clst: m gy to m drk gy
			45					0129-3L	Sh/Clst: lt ol gy
			tr					0129-2L	Cont : prp
			tr					0129-4L	Sh/Clst: gy red, drk y brn
2785.00								0130	
		0.93	55					0130-1L	Sh/Clst: m gy to m drk gy
			45					0130-2L	Sh/Clst: lt ol gy
			tr					0130-3L	Sh/Clst: gy red, drk y brn
			tr					0130-4L	Ca : w to lt gy, slt
2790.00								0131	
			60					0131-2L	Sh/Clst: lt ol gy
			35					0131-1L	Sh/Clst: m gy to m drk gy
			5					0131-5L	S/Sst : w to lt gy, slt
			tr					0131-3L	Sh/Clst: gy red, drk y brn
			tr					0131-4L	Ca : w to lt gy, slt
2795.00								0132	
			75					0132-2L	Sh/Clst: ol gy to lt ol gy
			20					0132-3L	Sh/Clst: gy red, drk y brn
			5					0132-1L	Sh/Clst: m gy to m drk gy
			tr					0132-4L	Ca : w to lt gy, slt
			tr					0132-5L	Cont : prp
2800.00								0133	
			70					0133-2L	Sh/Clst: ol gy to lt ol gy
			20					0133-3L	Sh/Clst: gy red, drk y brn
			10					0133-1L	Sh/Clst: m gy to m drk gy
			tr					0133-4L	Ca : w to lt gy, slt
			tr					0133-5L	Cont : prp

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth Int	Depth Cvd	Type TOC%	%	Grp Frm Age Lithology description	Trb	Sample
2805.00						0134
			70	Sh/Clst: ol gy to lt ol gy		0134-2L
			20	Sh/Clst: gy red, drk y brn		0134-3L
			10	Sh/Clst: m gy to m drk gy		0134-1L
			tr	Ca : w to lt gy, slt		0134-4L
			tr	Cont : prp		0134-5L
2810.00						0135
			70	Sh/Clst: ol gy to lt ol gy		0135-2L
			20	Sh/Clst: gy red, drk y brn		0135-3L
			10	Sh/Clst: m gy to m drk gy		0135-1L
			tr	Ca : w to lt gy, slt		0135-4L
			tr	Cont : prp		0135-5L
2815.00						0136
		0.22	70	Sh/Clst: ol gy to lt ol gy		0136-2L
			20	Sh/Clst: gy red, drk y brn		0136-3L
			10	Sh/Clst: m gy to m drk gy		0136-1L
			tr	Ca : w to lt gy, slt		0136-4L
			tr	Cont : prp		0136-5L
2820.00						0137
			70	Sh/Clst: ol gy to lt ol gy		0137-2L
			20	Sh/Clst: gy red, drk y brn		0137-3L
			10	Sh/Clst: m gy to m drk gy		0137-1L
			tr	Ca : w to lt gy, slt		0137-4L
			tr	Cont : prp		0137-5L
2825.00						0138
			70	Sh/Clst: ol gy to lt ol gy		0138-2L
			20	Sh/Clst: gy red, drk y brn		0138-3L
			10	Sh/Clst: m gy to m drk gy		0138-1L
			tr	Ca : w to lt gy, slt		0138-4L
			tr	Cont : prp		0138-5L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2830.00							0139
		60	Sh/Clst:	ol gy to lt ol gy			0139-1L
		25	Cont	: prp			0139-4L
		10	Sh/Clst:	m gy to m drk gy			0139-5L
		5	Sh/Clst:	gy red, drk y brn			0139-2L
		tr	Ca	: w to lt gy, slt			0139-3L
2835.00							0140
		60	Sh/Clst:	ol gy to lt ol gy			0140-1L
		25	Cont	: prp			0140-4L
		10	Sh/Clst:	m gy to m drk gy			0140-5L
		5	Sh/Clst:	gy red, drk y brn			0140-2L
		tr	Ca	: w to lt gy, slt			0140-3L
2840.00							0141
		75	Sh/Clst:	ol gy to lt ol gy			0141-1L
		10	Cont	: prp			0141-4L
		10	Sh/Clst:	m gy to m drk gy			0141-5L
		5	Sh/Clst:	gy red, drk y brn			0141-2L
		tr	Ca	: w to lt gy, slt			0141-3L
2845.00							0142
		85	Sh/Clst:	ol gy to lt ol gy, m gy			0142-1L
		15	Cont	: prp			0142-4L
		tr	Sh/Clst:	gy red			0142-2L
		tr	Ca	: w to lt gy, slt			0142-3L
2850.00							0143
	1.20	90	Sh/Clst:	lt gy to lt ol gy to m drk gy			0143-1L
		10	Cont	: prp			0143-3L
		tr	Ca	: w to lt gy, slt			0143-2L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2855.00								0144
			85	Sh/Clst:		lt gy to lt ol gy to m drk gy		0144-1L
			10	Cont	:	prp		0144-3L
			5	Ca	:	w to lt gy, slt		0144-2L
			tr	Ca	:	drk y brn, dol		0144-4L
2860.00								0145
			95	Sh/Clst:		lt gy to lt ol gy to m drk gy		0145-1L
			5	Cont	:	prp		0145-3L
			tr	Ca	:	w to lt gy, slt		0145-2L
			tr	Ca	:	drk y brn, dol		0145-4L
			tr	Sh/Clst:		gy red		0145-5L
2865.00								0146
			95	Sh/Clst:		lt gy to lt ol gy to m drk gy		0146-1L
			5	Cont	:	prp		0146-3L
			tr	Ca	:	w to lt gy, slt		0146-2L
			tr	Ca	:	drk y brn, dol		0146-4L
			tr	Sh/Clst:		gy red		0146-5L
2870.00								0147
			90	Sh/Clst:		lt gy to lt ol gy to m drk gy		0147-1L
			5	Ca	:	w to lt gy, slt		0147-2L
			5	Cont	:	prp		0147-3L
			tr	Sh/Clst:		gy red		0147-4L
2875.00								0148
			100	Sh/Clst:		lt gy to lt ol gy to m drk gy		0148-1L
			tr	Ca	:	w to lt gy, slt		0148-2L
			tr	Sh/Clst:		gy red		0148-3L
			tr	Ca	:	drk y brn, dol		0148-4L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth	Type		Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description				
2880.00							0149
		100	Sh/Clst: lt ol gy to m drk gy				0149-1L
		tr	Ca : w to lt gy, slt				0149-2L
		tr	Sh/Clst: gy red				0149-3L
		tr	Ca : drk y brn, dol				0149-4L
2888.00	ccp						0150
	0.74	100	S/Sst : w to y gy, calc, f, l				0150-1L
2892.85	ccp						0151
	0.47	100	S/Sst : w to y gy to lt gy, calc, mic, f				0151-1L
2895.00							0152
		60	Sh/Clst: m drk gy				0152-1L
		40	Sh/Clst: lt ol gy, pl y brn				0152-2L
		tr	Sh/Clst: gy red				0152-3L
2900.00							0153
		60	Sh/Clst: m drk gy				0153-1L
		40	Sh/Clst: lt ol gy, pl y brn				0153-2L
		tr	Sh/Clst: gy red				0153-3L
2910.00							0154
		50	S/Sst : w, l				0154-4L
		40	Sh/Clst: m drk gy				0154-1L
		10	Sh/Clst: lt ol gy, pl y brn				0154-2L
		tr	Sh/Clst: gy red				0154-3L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2920.00								0155
			40	Sh/Clst: m drk gy				0155-1L
			40	S/Sst : w, l				0155-4L
			20	Sh/Clst: lt ol gy, pl y brn				0155-2L
			tr	Sh/Clst: gy red				0155-3L
			tr	Ca : drk y brn, dol				0155-5L
2930.00								0156
		1.54	70	Sh/Clst: m drk gy				0156-1L
			20	Sh/Clst: lt ol gy, pl y brn				0156-2L
			5	S/Sst : w, l				0156-4L
			5	Cont : prp				0156-5L
			tr	Sh/Clst: gy red				0156-3L
2940.00								0157
			60	Sh/Clst: m drk gy				0157-1L
			35	Sh/Clst: lt ol gy, pl y brn				0157-2L
			5	Cont : prp				0157-4L
			tr	Sh/Clst: gy red				0157-3L
2950.00								0158
			50	Sh/Clst: m drk gy				0158-1L
		0.88	20	Ca : w				0158-6L
			15	Sh/Clst: lt ol gy, pl y brn				0158-2L
			10	S/Sst : w				0158-5L
			5	Cont : prp				0158-4L
			tr	Sh/Clst: gy red				0158-3L
2960.00								0159
		0.53	50	Ca : w				0159-3L
			30	Sh/Clst: m drk gy				0159-1L
			20	Sh/Clst: lt ol gy, pl y brn				0159-2L

Table 1 : Lithology description for well NOCS 25/2-10

Depth unit of measure: m

Depth		Type		Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description				
2967.00								0160
		0.57	60	Ca	: w			0160-3L
			30	Sh/Clst	: m drk gy			0160-1L
			10	Sh/Clst	: lt ol gy, pl y brn			0160-2L
			tr	Sh/Clst	: gy red			0160-4L

Table 2 : Rock-Eval table for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1060.00	cut	S/Sst : w to lt gy to m gy	0.19	0.17	0.28	0.61	0.11	155	255	0.4	0.53	383	0003-1L
1390.00	cut	Sltst : lt gy to lt brn	0.79	3.16	1.62	1.95	1.81	175	90	4.0	0.20	419	0014-1L
1720.00	cut	Sltst : lt brn gy to pl y brn	0.54	2.69	1.24	2.17	1.35	199	92	3.2	0.17	414	0025-1L
1750.00	com	bulk	0.51	1.44	1.03	1.40	0.86	167	120	2.0	0.26	419	0161-0B
1810.00	cut	Ca : lt gy to m gy	0.10	0.45	0.66	0.68	0.27	167	244	0.6	0.18	369	0028-3L
1990.00	cut	Ca : gy brn to m y brn	0.12	0.88	2.77	0.32	0.67	131	413	1.0	0.12	491	0034-3L
2020.00	cut	Sh/Clst: lt ol gy to pl y brn	0.23	0.67	1.40	0.48	0.65	103	215	0.9	0.26	380	0035-4L
2080.00	cut	Sh/Clst: ol gy to lt gy, lt ol gy	0.16	0.53	1.62	0.33	0.54	98	300	0.7	0.23	420	0037-3L
2200.00	cut	Sh/Clst: ol gy, lt ol gy	0.03	0.15	1.24	0.12	0.10	150	1240	0.2	0.17	408	0041-1L
2237.50	cut	S/Sst : drk y brn to pl y brn	31.25	40.91	0.89	45.97	6.71	610	13	72.2	0.43	336	0048-1L
2242.00	cut	S/Sst : w to y gy	2.16	0.81	0.26	3.12	0.28	289	93	3.0	0.73	389	0049-1L
2246.90	com	bulk	13.64	9.33	0.33	28.27	1.90	491	17	23.0	0.59	378	0163-0B
2251.50	cut	S/Sst : w to m y brn	7.48	3.07	0.46	6.67	1.02	301	45	10.6	0.71	421	0051-1L
2257.50	cut	S/Sst : w to m y brn	1.76	0.60	0.22	2.73	0.78	77	28	2.4	0.75	414	0052-1L
2262.00	cut	S/Sst : w to m y brn	1.85	1.11	0.39	2.85	0.28	396	139	3.0	0.63	418	0053-1L

Table 2 : Rock-Eval table for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2267.00	cut	S/Sst : w to m y brn	1.66	0.72	0.42	1.71	0.26	277	162	2.4	0.70	409	0054-1L
2295.00	cut	Sh/Clst: ol gy to lt ol gy	0.03	0.16	0.99	0.16	0.19	84	521	0.2	0.16	424	0057-1L
2325.00	cut	S/Sst : w	0.09	0.31	0.49	0.63	0.13	238	377	0.4	0.23	371	0061-2L
2340.00	cut	S/Sst : w	0.07	0.16	0.43	0.37	0.05	320	860	0.2	0.30	387	0064-2L
2360.00	cut	S/Sst : w	0.04	0.13	0.28	0.46	0.03	433	933	0.2	0.24	370	0066-2L
2380.00	cut	Sh/Clst: ol gy to lt ol gy	0.04	0.15	0.80	0.19	0.17	88	471	0.2	0.21	412	0069-1L
2400.00	cut	S/Sst : w	0.03	0.23	0.15	1.53	0.03	767	500	0.3	0.12	373	0071-4L
2410.00	cut	S/Sst : w to y gy	0.05	0.31	0.25	1.24	0.14	221	179	0.4	0.14	369	0073-4L
2430.00	com	bulk	0.05	0.19	1.01	0.19	0.20	95	505	0.2	0.21	385	0164-0B
2440.00	cut	Sltst : ol gy, blk	0.10	0.78	0.67	1.16	0.88	89	76	0.9	0.11	426	0077-5L
2460.00	cut	Sh/Clst: y gy to ol gy to lt ol gy	0.03	0.14	0.75	0.19	0.21	67	357	0.2	0.18	400	0079-1L
2490.00	cut	Sh/Clst: y gy to ol gy to lt ol gy	0.06	0.20	0.53	0.38	0.17	118	312	0.3	0.23	397	0083-1L
2515.00	cut	S/Sst : w to y gy to lt gy	0.05	0.28	0.19	1.47	0.10	280	190	0.3	0.15	370	0086-3L
2520.00	cut	S/Sst : w to y gy to lt gy	0.08	0.61	0.33	1.85	0.22	277	150	0.7	0.12	370	0087-3L
2535.00	cut	Sh/Clst: m gy to m drk gy	0.15	1.10	0.47	2.34	0.73	151	64	1.3	0.12	425	0089-4L

Table 2 : Rock-Eval table for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2545.00	cut	Sltst : w to lt gy	0.15	1.09	0.55	1.98	0.69	158	80	1.2	0.12	369	0091-5L
2560.00	cut	Sh/Clst: m gy to m drk gy	0.18	1.44	0.71	2.03	1.26	114	56	1.6	0.11	412	0094-1L
2570.00	cut	S/Sst : w to lt gy	0.07	0.45	0.25	1.80	0.16	281	156	0.5	0.13	363	0096-3L
2587.00	cut	S/Sst : w to y gy	0.25	0.23	0.33	0.70	0.11	209	300	0.5	0.52	369	0100-1L
2592.00	cut	S/Sst : w to y gy	0.37	0.63	0.40	1.57	0.16	394	250	1.0	0.37	367	0101-1L
2597.00	cut	S/Sst : w to y gy	0.24	0.47	0.30	1.57	0.10	470	300	0.7	0.34	387	0102-1L
2630.00	cut	S/Sst : w	0.93	1.71	0.71	2.41	0.50	342	142	2.6	0.35	372	0106-1L
2660.00	cut	Sh/Clst: m gy to m drk gy	0.30	2.04	0.58	3.52	1.41	145	41	2.3	0.13	416	0109-2L
2670.00	cut	S/Sst : w	0.19	0.88	0.33	2.67	0.32	275	103	1.1	0.18	374	0110-1L
2695.00	cut	S/Sst : w to y gy	0.17	0.92	0.47	1.96	0.44	209	107	1.1	0.16	366	0113-1L
2740.00	cut	Sh/Clst: ol gy to m drk gy	0.24	1.72	0.61	2.82	1.09	158	56	2.0	0.12	423	0122-1L
2785.00	cut	Sh/Clst: m gy to m drk gy	0.13	0.79	0.73	1.08	0.93	85	78	0.9	0.14	429	0130-1L
2815.00	cut	Sh/Clst: ol gy to lt ol gy	0.07	0.33	0.43	0.77	0.22	150	195	0.4	0.17	398	0136-2L
2850.00	cut	Sh/Clst: lt gy to lt ol gy to m drk gy	0.14	1.75	0.69	2.54	1.20	146	58	1.9	0.07	395	0143-1L

Table 2 : Rock-Eval table for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2888.00	ccp	S/Sst : w to y gy	0.39	1.24	0.36	3.44	0.74	168	49	1.6	0.24	368	0150-1L
2892.85	ccp	S/Sst : w to y gy to lt gy	0.08	0.07	0.09	0.78	0.47	15	19	0.2	0.53	429	0151-1L
2930.00	cut	Sh/Clst: m drk gy	0.18	0.83	0.39	2.13	1.54	54	25	1.0	0.18	424	0156-1L
2950.00	cut	Ca : w	0.35	1.20	0.72	1.67	0.88	136	82	1.6	0.23	386	0158-6L
2960.00	cut	Ca : w	0.06	0.56	0.63	0.89	0.53	106	119	0.6	0.10	510	0159-3L
2967.00	cut	Ca : w	0.11	0.46	0.61	0.75	0.57	81	107	0.6	0.19	502	0160-3L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1060.00	cut	S/Sst : w to lt gy to m gy	6.36	34.63	53.73	5.29	0.17	0003-1L
1750.00	com	bulk	6.38	30.25	51.43	11.94	1.44	0161-0B
1990.00	cut	Ca : gy brn to m y brn	6.21	36.12	53.93	3.74	0.88	0034-3L
2237.50	cut	S/Sst : drk y brn to pl y brn	1.43	4.69	30.37	63.52	40.91	0048-1L
2242.00	cut	S/Sst : w to y gy	3.03	17.93	55.98	23.06	0.81	0049-1L
2246.90	com	bulk	1.22	8.61	57.73	32.44	9.33	0163-0B
2257.50	cut	S/Sst : w to m y brn	3.53	20.06	50.92	25.49	0.60	0052-1L
2267.00	cut	S/Sst : w to m y brn	5.00	25.32	56.00	13.68	0.72	0054-1L
2325.00	cut	S/Sst : w	3.09	29.26	63.91	3.75	0.31	0061-2L
2440.00	cut	Sltst : ol gy, blk	12.04	33.23	50.10	4.63	0.78	0077-5L
2535.00	cut	Sh/Clst: m gy to m drk gy	5.68	30.79	57.62	5.91	1.10	0089-4L
2587.00	cut	S/Sst : w to y gy	3.98	25.32	64.63	6.07	0.23	0100-1L
2597.00	cut	S/Sst : w to y gy	5.33	20.22	65.12	9.33	0.47	0102-1L
2630.00	cut	S/Sst : w	3.36	22.97	58.21	15.46	1.71	0106-1L

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2660.00	cut	Sh/Clst: m gy to m drk gy	4.22	22.23	56.34	17.22	2.04	0109-2L
2695.00	cut	S/Sst : w to y gy	3.37	27.86	62.95	5.82	0.92	0113-1L
2740.00	cut	Sh/Clst: ol gy to m drk gy	5.05	23.29	57.66	13.99	1.72	0122-1L
2850.00	cut	Sh/Clst: lt gy to lt ol gy to m drk gy	1.51	7.49	83.57	7.42	1.75	0143-1L
2888.00	ccp	S/Sst : w to y gy	2.88	11.05	66.94	19.13	1.24	0150-1L
2950.00	cut	Ca : w	1.84	25.38	68.75	4.03	1.20	0158-6L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 25/2-10

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
1390.00	cut	bulk	2.9	1.4	0.8	0.3	0.1	0.2	1.1	0.3	0.65	0014-0B
2237.50	cut	S/Sst : drk y brn to pl y brn	8.5	59.8	4.7	3.0	7.6	44.5	7.7	52.1	9.56	0048-1L
2242.00	cut	S/Sst : w to y gy	10.0	35.6	19.3	8.2	1.0	7.1	27.5	8.1	0.41	0049-1L
2257.50	cut	S/Sst : w to m y brn	7.9	17.9	8.6	4.1	0.5	4.7	12.7	5.2	0.32	0052-1L
2267.00	cut	S/Sst : w to m y brn	8.8	26.2	9.2	6.8	1.0	9.2	16.0	10.2	0.44	0054-1L
2630.00	cut	bulk	6.9	6.5	2.7	1.8	0.2	1.8	4.5	2.0	0.30	0106-0B
2888.00	ccp	S/Sst : w to y gy	7.9	2.4	0.6	0.2	0.2	1.4	0.8	1.6	0.18	0150-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1390.00	cut	bulk	477	273	102	34	68	375	102	0014-0B
2237.50	cut	S/Sst : drk y brn to pl y brn	7043	553	353	895	5241	906	6136	0048-1L
2242.00	cut	S/Sst : w to y gy	3545	1922	816	99	707	2739	806	0049-1L
2257.50	cut	S/Sst : w to m y brn	2265	1088	518	63	594	1607	658	0052-1L
2267.00	cut	S/Sst : w to m y brn	2984	1047	774	113	1047	1822	1161	0054-1L
2630.00	cut	bulk	939	390	260	28	260	650	289	0106-0B
2888.00	ccp	S/Sst : w to y gy	302	75	25	25	176	100	201	0150-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1390.00	cut	bulk	73.51	42.01	15.75	5.25	10.50	57.76	15.75	0014-0B
2237.50	cut	S/Sst : drk y brn to pl y brn	73.68	5.79	3.70	9.36	54.83	9.49	64.19	0048-1L
2242.00	cut	S/Sst : w to y gy	864.83	468.86	199.20	24.29	172.48	668.06	196.77	0049-1L
2257.50	cut	S/Sst : w to m y brn	708.07	340.19	162.18	19.78	185.92	502.37	205.70	0052-1L
2267.00	cut	S/Sst : w to m y brn	678.19	238.14	176.02	25.89	238.14	414.16	264.03	0054-1L
2630.00	cut	bulk	313.10	130.06	86.71	9.63	86.71	216.76	96.34	0106-0B
2888.00	ccp	S/Sst : w to y gy	167.93	41.98	13.99	13.99	97.96	55.98	111.95	0150-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 25/2-10

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
1390.00	cut	bulk	57.14	21.43	7.14	14.29	78.57	21.43	266.67	366.67	0014-0B
2237.50	cut	S/Sst : drk y brn to pl y brn	7.86	5.02	12.71	74.41	12.88	87.12	156.67	14.78	0048-1L
2242.00	cut	S/Sst : w to y gy	54.21	23.03	2.81	19.94	77.25	22.75	235.37	339.51	0049-1L
2257.50	cut	S/Sst : w to m y brn	48.04	22.91	2.79	26.26	70.95	29.05	209.76	244.23	0052-1L
2267.00	cut	S/Sst : w to m y brn	35.11	25.95	3.82	35.11	61.07	38.93	135.29	156.86	0054-1L
2630.00	cut	bulk	41.54	27.69	3.08	27.69	69.23	30.77	150.00	225.00	0106-0B
2888.00	ccp	S/Sst : w to y gy	25.00	8.33	8.33	58.33	33.33	66.67	300.00	50.00	0150-1L

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 25/2-10

Depth unit of measure: m

Depth	Typ	Lithology	Pristane / nC17	Pristane / Phytane	Pristane + Phytane / nC17 + nC18	Phytane / nC18	CPI	Sample
1390.00	cut	bulk	0.51	1.59	0.49	0.45	0.82	0014-0B
2237.50	cut	S/Sst : drk y brn to pl y brn	1.19	1.29	1.21	1.25	-	0048-1L
2242.00	cut	S/Sst : w to y gy	1.76	1.11	3.34	-	-	0049-1L
2257.50	cut	S/Sst : w to m y brn	1.49	1.07	1.57	1.67	-	0052-1L
2267.00	cut	S/Sst : w to m y brn	1.42	1.14	1.33	1.25	-	0054-1L
2630.00	cut	bulk	0.73	2.17	0.71	0.67	0.90	0106-0B
2888.00	ccp	S/Sst : w to y gy	0.67	1.90	0.67	0.66	-	0150-1L