

**NORTH VIKING GRABEN
GEOCHEMICAL STUDY**

GC-MS ANALYSIS

Well no. 25/2-4 NOCS

Client: Fina Exploration Norway

**Authors: Malvin Bjorøy
Eli Hustad**

**Geolab Nor A/S
Hornebergveien 5
7000 TRONDHEIM
Norway**

Date: 01.03.87

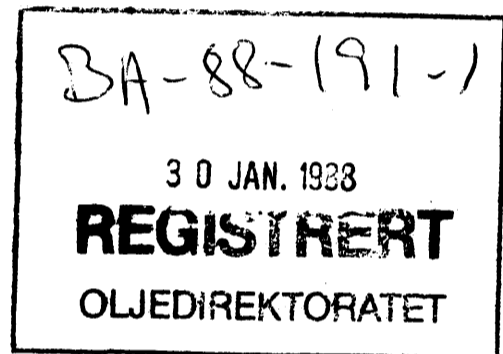


Table 1: Variation in Triterpane Distribution for Well NOCS 25/2-4

Depth unit of measure: m

Depth	Lithology	B/A	B/B+A	B		C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D		J1		Sample
				B+E+F										C+D+E+F	D+F/C+E	J1+J2%		
3650.00	bulk	1.20	0.54	0.22	0.86	0.46	-	-	-	-	-	0.25	0.93	0.47	0.09	58.85	278-0	
4020.00	bulk	1.27	0.56	0.31	1.22	0.55	0.08	-	-	-	-	0.78	0.89	0.54	0.10	61.44	280-0	
4200.00	bulk	0.25	0.20	0.11	0.88	0.47	0.16	-	-	-	-	0.86	0.92	0.46	0.08	62.33	282-0	
4245.00	bulk	0.97	0.49	0.40	1.17	0.54	0.11	-	-	-	-	0.32	0.91	0.53	0.07	62.97	283-0	

Table 2: Variation in Sterane Distribution for Well NOCS 25/2-4

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Sample
3650.00	bulk	0.44	51.60	72.37	0.53	0.72	0.27	0.18	278-0
4020.00	bulk	0.40	58.00	74.61	0.48	0.72	0.33	0.21	280-0
4200.00	bulk	0.63	53.57	75.14	0.77	0.74	0.62	0.46	282-0
4245.00	bulk	0.51	57.10	65.93	0.76	0.63	0.53	0.34	283-0

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

Ratio5: $r + s / r + s + q$
 Ratio6: $u + v / u + v + q + r + s + t$
 Ratio7: $u + v / u + v + i + m + n + q + r + s + t$

Table 3: Aromatisation of Steranes for Well NOCS 25/2-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
3650.00	bulk	0.81	0.43	278-0
4020.00	bulk	0.70	0.55	280-0
4200.00	bulk	0.89	-	282-0
4245.00	bulk	0.79	0.50	283-0

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

$$\text{Ratio2: } g1 / g1 + I1$$

Table 4: Variation in Triaromatic Sterane Distribution for Well NOCS 25/2-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
3650.00	bulk	0.90	0.82	0.65	0.75	0.77	278-0
4020.00	bulk	0.76	0.78	0.43	0.43	0.46	280-0
4200.00	bulk	1.00	1.00	0.84	0.89	0.82	282-0
4245.00	bulk	0.86	0.87	0.57	0.58	0.61	283-0

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 5: Variation in Monoaromatic Sterane Distribution for Well NOCS 25/2-4

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
3650.00	bulk	0.30	0.21	0.17	0.15	278-0
4020.00	bulk	0.32	0.31	0.20	0.19	280-0
4200.00	bulk	0.72	0.66	0.57	0.53	282-0
4245.00	bulk	0.50	0.47	0.33	0.33	283-0

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

NORTH VIKING GRABEN
GEOCHEMICAL STUDY

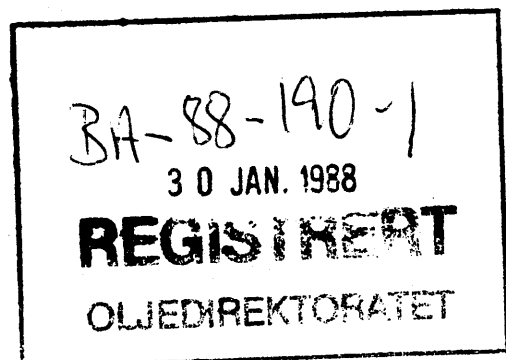
Well no. 25/2-4 NOCS

Client: Fina Exploration Norway

Authors: Peter B. Hall
Malvin Bjorøy
Nigel Mills
Kjell Arne Bakken
Josann McDermott

Geolab Nor A/S
Hornebergveien 5
7000 TRONDHEIM
Norway

Date: 15.12.86



Well no. 25/2-4 NOCS

INTRODUCTION

This well is from the Norwegian Sector of the North Sea and is within the Idun Field area. It lies on the eastern flank of the Viking basin in the Viking Graben and to the east of the Frigg Field and Frigg Kitchen (Thomas et al., 1985). The Idun field is considered to be sourced from Upper Jurassic shales to the west in the Frigg Kitchen (Thomas et al., 1985).

A total of 277 samples was collected from the Norwegian Petroleum Directorate in Stavanger. All the samples were washed (from 800 m to TD) and a lithological description was performed for each sample. The analysed interval is from 3575 - 4360 m (TD RKB)) and the sample intervals are mainly 10 m down to top Jurassic (at 3632 m) and mainly 5 or 10 m in the Jurassic and Triassic. A careful selection of suitable samples was made for screening analysis, i.e. TOC and Rock-Eval analysis. Eighty (80) samples were selected for this analysis and, from this data, a number of samples for further analysis were chosen as indicated below:

Thermal extraction - pyrolysis - gas chromatography	44 samples
Extraction, MPLC fractionation, saturated and aromatic hydrocarbon gas chromatography	6 samples
Vitrinite reflectance microscopy	19 samples
Visual kerogen analysis	44 samples

A detailed list of the different samples selected for analyses and the results is shown in Tables in the Appendix. Figure 1 shows the litho-variations and some of the screening data for the analysed section of the well and the

location of samples for follow-up analysis. Included in the figure are some of the problems/intervals of interest (e.g. oil show intervals) which have affected the choice of samples for analysis. There is considerable contamination from cement in the Brent Group and Heather (?) Fm.

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
800.00						001	
		50 S/Sst	:	1		001-1	
		50 Cont	:	cem, prp, dd, evap		001-2	
840.00						002	
		80 Cont	:	Coal-ad, cem, prp, dd, fib, evap		002-2	
		20 S/Sst	:	1		002-1	
900.00						003	
		60 Cont	:	fos, Coal-ad, cem, prp, dd		003-2	
		40 S/Sst	:	1		003-1	
940.00						004	
		60 Cont	:	fos, Coal-ad, cem, prp, dd		004-2	
		40 S/Sst	:	1		004-1	
980.00						005	
		70 Cont	:	Coal-ad, cem, prp, dd, evap		005-2	
		30 S/Sst	:	1		005-1	
1020.00						006	
		70 Cont	:	Coal-ad, cem, prp, dd, evap		006-2	
		30 S/Sst	:	1		006-1	
1060.00						007	
		70 Cont	:	Coal-ad, cem, prp, dd, evap		007-2	
		30 S/Sst	:	1		007-1	

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1100.00						008
			70	Cont : Coal-ad, cem, prp, dd, evap		008-2
			30	S/Sst : l		008-1
1140.00						009
			70	Cont : Coal-ad, cem, prp, dd, fib, evap		009-2
			30	S/Sst : l		009-1
1180.00						010
			70	Sh/Clst: drk y brn, calc, slt, glauc		010-1
			20	S/Sst : l		010-2
			10	Cont : fib		010-3
1220.00						011
			100	Sh/Clst: drk y brn, calc, slt, glauc		011-1
			tr	Cont : prp, fib, evap		011-2
	cvd		tr	S/Sst : l		011-3
1240.00						012
			100	Sh/Clst: drk y brn, calc, slt, glauc		012-1
			tr	Cont : prp, fib, evap		012-2
	cvd		tr	S/Sst : l		012-3
1260.00						013
			100	Sh/Clst: drk y brn, calc, slt, glauc		013-1
			tr	Cont : prp, fib, evap		013-2
	cvd		tr	S/Sst : l		013-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1280.00						014
	cvd			100 Sh/Clst: drk y brn, calc, slt, glauc tr Cont : prp, fib, evap tr S/Sst : l		014-1 014-2 014-3
1300.00						015
	cvd			100 Sh/Clst: drk y brn, calc, slt, glauc tr Cont : prp, fib, evap tr S/Sst : l		015-1 015-2 015-3
1320.00						016
	cvd			100 Sh/Clst: drk y brn, calc, slt, glauc tr Cont : Mica-ad, prp, fib, evap tr S/Sst : l		016-1 016-2 016-3
1340.00						017
	cvd			100 Sh/Clst: drk y brn, calc, slt, glauc tr Cont : Mica-ad, prp, fib, evap tr S/Sst : l		017-1 017-2 017-3
1360.00						018
	cvd			50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc 50 Cont : Mica-ad tr S/Sst : l		018-1 018-2 018-3
1380.00						019
	cvd			50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc 50 Cont : Mica-ad tr S/Sst : l		019-1 019-2 019-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1400.00						020
				50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		020-1
	cvd			50 Cont : Mica-ad		020-2
				tr S/Sst : l		020-3
1420.00						021
				50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		021-1
	cvd			50 Cont : Mica-ad		021-2
				tr S/Sst : l		021-3
				tr Cont : prp, fib		021-4
1440.00						022
				50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		022-1
	cvd			50 Cont : Mica-ad		022-2
				tr S/Sst : l		022-3
				tr Other : pyr		022-4
				tr Cont : prp, fib		022-5
1460.00						023
				50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		023-1
	cvd			50 Cont : Mica-ad		023-2
				tr S/Sst : l		023-3
1480.00						024
				50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		024-1
	cvd			50 Cont : Mica-ad		024-2
				tr S/Sst : l		024-3
				tr Cont : prp		024-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1500.00						025
	cvd			50 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		025-1
				50 Cont : Mica-ad		025-2
				tr S/Sst : l		025-3
				tr Cont : Coal-ad, prp		025-4
1520.00						026
	cvd			90 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		026-1
				10 Cont : Mica-ad		026-2
				tr S/Sst : l		026-3
				tr Other : pyr		026-4
				tr Cont : prp		026-5
1540.00						027
	cvd			60 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		027-1
				40 Cont : Mica-ad		027-2
				tr S/Sst : l		027-3
				tr Other : pyr		027-4
1560.00						028
	cvd			90 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		028-1
				10 Cont : Mica-ad		028-2
				tr S/Sst : l		028-3
				tr Other : pyr		028-4
1580.00						029
				100 Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		029-1
				tr Cont : Mica-ad, cem		029-2

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1600.00						030
			80	Sh/Clst: drk y brn, pl y brn, calc, slt, glauc		030-1
			20	Sh/Clst		030-2
	cvd		tr Cont	: Mica-ad		030-3
			tr S/Sst	: l		030-4
			tr Other	: pyr		030-5
1620.00						031
			90	Sh/Clst: ol gy, slt		031-1
			10	Sh/Clst: drk y brn, calc, slt, glauc		031-2
			tr Ca	: drk y brn		031-3
			tr Other	: pyr		031-4
			tr Cont	: cem		031-5
1640.00						032
			90	Sh/Clst: ol gy, slt		032-1
			10	Sh/Clst: drk y brn, calc, slt, glauc		032-2
			tr Other	: pyr		032-3
			tr Cont	: cem		032-4
1660.00						033
			95	Sh/Clst: ol gy		033-1
			5	Sh/Clst: m y brn		033-2
			tr Ca	: drk y brn		033-3
			tr Cont	: Mica-ad		033-4
			tr Other	: pyr		033-5
1680.00						034
			95	Sh/Clst: ol gy		034-1
			5	Sh/Clst: m y brn		034-2
			tr Ca	: drk y brn		034-3
			tr Cont	: Mica-ad		034-4
			tr Other	: pyr		034-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1700.00						035
				95 Sh/Clst: ol gy		035-1
				5 Sh/Clst: m y brn		035-2
				tr Ca : drk y brn		035-3
				tr Cont : Mica-ad		035-4
				tr Other : pyr		035-5
1720.00						036
				95 Sh/Clst: ol gy		036-1
				5 Sh/Clst: m y brn		036-2
				tr Ca : drk y brn		036-3
				tr Cont : Coal-ad, Mica-ad, prp		036-4
				tr Other : pyr		036-5
1740.00						037
				95 Sh/Clst: ol gy		037-1
				5 Sh/Clst: m y brn		037-2
				tr Ca : drk y brn		037-3
				tr Cont : Coal-ad, Mica-ad		037-4
				tr Other : pyr		037-5
1760.00						038
				95 Sh/Clst: ol gy		038-1
				5 Sh/Clst: m y brn		038-2
				tr Sh/Clst: lt brn, slt		038-3
				tr Ca : drk y brn		038-4
				tr Cont : Mica-ad		038-5
				tr Other : pyr		038-6
1780.00						039
				95 Sh/Clst: ol gy		039-1
				5 Sh/Clst: m y brn		039-2
				tr Sh/Clst: lt brn, slt		039-3
				tr Ca : drk y brn		039-4
				tr Cont : Mica-ad		039-5
				tr Other : pyr		039-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1800.00						040
				95 Sh/Clst: ol gy		040-1
				5 Sh/Clst: m y brn		040-2
				tr Sh/Clst: lt brn, slt		040-3
				tr Ca : drk y brn		040-4
				tr Cont : Mica-ad		040-5
				tr Other : pyr		040-6
1820.00						041
				80 Sh/Clst: ol gy		041-1
				15 Sh/Clst: lt brn		041-2
				5 S/Sst : calc		041-3
				tr Cont : Mica-ad		041-4
				tr Other : pyr		041-5
1840.00						042
				80 Sh/Clst: ol gy, slt		042-1
				20 Sh/Clst: pl y brn, slt		042-2
				tr Sh/Clst: lt brn		042-3
1860.00						043
				80 Sh/Clst: ol gy, slt		043-1
				20 Sh/Clst: pl y brn, slt		043-2
				tr Sh/Clst: lt brn		043-3
				tr S/Sst : l		043-4
1880.00						044
				80 Sh/Clst: ol gy, slt		044-1
				15 Sh/Clst: pl y brn, slt		044-2
				tr Ca : m brn, dol		044-3
				tr Other : pyr		044-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1900.00						045
				80 Sh/Clst: ol gy, slt		045-1
				15 Sh/Clst: pl y brn, slt		045-2
				tr Ca : m brn, dol		045-3
				tr Other : pyr		045-4
				tr Cont : Coal-ad, Mica-ad, fib		045-5
1920.00						046
				80 Sh/Clst: ol gy, slt		046-1
				15 Sh/Clst: pl y brn, slt		046-2
				tr Ca : m brn, dol		046-3
				tr Other : pyr		046-4
				tr Cont : Coal-ad, Mica-ad		046-5
1940.00						047
				80 Sh/Clst: ol gy, slt		047-1
				15 Sh/Clst: pl y brn, slt		047-2
				tr Ca : m brn, dol		047-3
				tr Other : pyr		047-4
1960.00						048
				70 Sh/Clst: ol gy, slt		048-1
				15 Sh/Clst: pl y brn, slt		048-2
				15 Ca : m brn, dol		048-3
				tr Cont : Coal-ad		048-4
				tr Other : pyr		048-5
1980.00						049
				80 Sh/Clst: ol gy, slt		049-1
				10 Sh/Clst: pl y brn, slt		049-2
				10 Ca : m brn, dol		049-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2000.00						050
				90 Sh/Clst: ol gy, slt		050-1
				10 Ca : m brn, dol		050-2
2020.00						051
				90 Sh/Clst: ol gy, slt		051-1
				10 Ca : pl y brn, slt		051-2
				tr S/Sst : calc, glauc		051-3
				tr Cont : evap		051-4
2040.00						052
				80 Sh/Clst: ol gy, slt		052-1
				10 Sh/Clst: pl y brn, slt		052-2
				10 Ca : m brn, dol		052-3
				tr Cont : prp		052-4
2060.00						053
				40 Sh/Clst: ol gy, slt		053-1
				40 S/Sst : calc, glauc, l		053-4
				10 Sh/Clst: pl y brn, slt		053-2
				10 Ca : m brn, dol		053-3
				tr Other : pyr		053-5
				tr Cont : Coal-ad, Mica-ad		053-6
2080.00						054
				40 Sh/Clst: ol gy, slt		054-1
				40 S/Sst : calc, glauc, l		054-4
				10 Sh/Clst: pl y brn, slt		054-2
				10 Ca : m brn, dol		054-3
				tr Cont : Coal-ad, Mica-ad		054-5
				tr Other : pyr		054-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2100.00						055
				70 Sh/Clst: ol gy, slt		055-1
				10 Sh/Clst: drk y brn, slt		055-2
				10 S/Sst : calc, l		055-3
				10 Ca : m brn, dol		055-4
				tr Sh/Clst: pl gy		055-5
				tr Cont : Mica-ad		055-6
				tr Other : pyr		055-7
2120.00						056
				100 Sh/Clst: v col, calc, slt		056-2
				tr S/Sst : calc, glauc, l		056-3
				tr Ca : m brn, dol		056-4
				tr Cont : Mica-ad		056-5
				tr Other : pyr		056-6
2140.00						057
				100 Sh/Clst: v col, calc, slt		057-2
				tr S/Sst : calc, glauc, l		057-3
				tr Ca : m brn, dol		057-4
				tr Cont : Mica-ad		057-5
				tr Other : pyr		057-6
2160.00						058
				100 Sh/Clst: v col, calc, slt		058-2
				tr S/Sst : calc, glauc, l		058-3
				tr Ca : m brn, dol		058-4
				tr Cont : Mica-ad		058-5
				tr Other : pyr		058-6
2190.00						059
				100 Sh/Clst: v col, calc, slt		059-2
				tr S/Sst : calc, glauc, l		059-3
				tr Ca : m brn, dol		059-4
				tr Cont : Mica-ad		059-5
				tr Other : pyr		059-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2200.00						060
				100 Sh/Clst: v col, calc, slt		060-2
				tr S/Sst : calc, glauc, l		060-3
				tr Ca : m brn, dol		060-4
				tr Cont : Mica-ad		060-5
				tr Other : pyr		060-6
2220.00						061
				100 Sh/Clst: v col, calc, slt		061-2
				tr S/Sst : calc, glauc, l		061-3
				tr Ca : m brn, dol		061-4
				tr Cont : Mica-ad		061-5
				tr Other : pyr		061-6
2240.00						062
				100 Sh/Clst: v col, calc, slt		062-2
				tr S/Sst : calc, glauc, l		062-3
				tr Ca : m brn		062-4
				tr Cont : Mica-ad		062-5
				tr Other : pyr		062-6
2260.00						063
				100 Sh/Clst: v col, calc, slt		063-1
2275.00						064
				40 Sh/Clst: lt gy, m gy, slt		064-1
				30 Sh/Clst: brn gy, calc, slt		064-2
				20 S/Sst : calc, l		064-3
				10 Sltst : pl y brn, calc		064-4
				tr Cont : Coal-ad, Mica-ad		064-5
				tr Other : pyr		064-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2300.00						065
				40 Sh/Clst: lt gy, m gy, slt		065-1
				30 Sh/Clst: brn gy, calc, slt		065-2
				20 S/Sst : calc, l		065-3
				10 Sltst : pl y brn, calc		065-4
				tr Cont : Coal-ad, Mica-ad, prp		065-5
				tr Other : pyr		065-6
2315.00						066
				40 Sh/Clst: lt gy, m gy, slt		066-1
				30 Sh/Clst: brn gy, calc, slt		066-2
				20 S/Sst : calc, l		066-3
				10 Sltst : pl y brn, calc		066-4
				tr Ca : m brn, dol		066-5
				tr Cont : Coal-ad, Mica-ad, prp		066-6
				tr Other : pyr		066-7
2330.00						067
				40 Sh/Clst: lt gy, m gy, slt		067-1
				30 Sh/Clst: brn gy, calc, slt		067-2
				20 S/Sst : calc, l		067-3
				10 Sltst : pl y brn, calc		067-4
				tr Ca : m brn, dol		067-5
				tr Cont : Coal-ad, Mica-ad		067-6
				tr Other : pyr		067-7
2340.00						068
				40 Sh/Clst: lt gy, m gy, slt		068-1
				30 Sh/Clst: brn gy, calc, slt		068-2
				20 S/Sst : calc, l		068-3
				10 Sltst : pl y brn, calc		068-4
				tr Cont : Coal-ad, Mica-ad, prp		068-5
				tr Other : pyr		068-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2350.00						069
				40 Sh/Clst: lt gy, m gy, slt		069-1
				30 Sh/Clst: brn gy, calc, slt		069-2
				20 S/Sst : calc, l		069-3
				10 Sltst : pl y brn, calc		069-4
				tr Cont : Coal-ad, Mica-ad, prp		069-5
				tr Other : pyr		069-6
2360.00						070
				40 Sh/Clst: lt gy, m gy, slt		070-1
				30 Sh/Clst: brn gy, calc, slt		070-2
				20 S/Sst : calc, l		070-3
				10 Sltst : pl y brn, calc		070-4
				tr Cont : Coal-ad, Mica-ad, prp		070-5
				tr Other : pyr		070-6
2370.00						071
				40 Sh/Clst: lt gy, m gy, slt		071-1
				30 Sh/Clst: brn gy, calc, slt		071-2
				20 S/Sst : calc, l		071-3
				10 Sltst : pl y brn, calc		071-4
				tr Cont : Coal-ad, Mica-ad, prp		071-5
				tr Other : pyr		071-6
2380.00						072
				40 Sh/Clst: m gy, drk gy, slt		072-1
				30 Sh/Clst: ol gy, slt		072-2
				30 Sltst : drk y brn		072-3
				tr S/Sst : calc, glauc, l		072-4
				tr Ca : m brn, dol		072-5
				tr Cont : prp		072-6
				tr S/Sst : l		072-7

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2390.00						073	
			40	Sh/Clst:	m gy, drk gy, slt	073-1	
			30	Sh/Clst:	ol gy, slt	073-2	
			30	Sltst	: drk y brn	073-3	
			tr	S/Sst	: calc, glauc, l	073-4	
			tr	Ca	: m brn, dol	073-5	
			tr	Sh/Clst:	gy red, calc	073-6	
			tr	Cont	: prp, fib	073-7	
			tr	S/Sst	: l	073-8	
			tr	Other	: pyr	073-9	
2410.00						074	
			40	Sh/Clst:	m gy, drk gy, slt	074-1	
			30	Sh/Clst:	ol gy, slt	074-2	
			30	Sltst	: drk y brn	074-3	
			tr	S/Sst	: calc, glauc, l	074-4	
			tr	Ca	: m brn, dol	074-5	
			tr	Sh/Clst:	gy red, calc	074-6	
			tr	Cont	: prp, fib	074-7	
			tr	S/Sst	: l	074-8	
			tr	Other	: pyr	074-9	
2420.00						075	
			40	Sh/Clst:	m gy, drk gy, slt	075-1	
			30	Sh/Clst:	ol gy, slt	075-2	
			30	Sltst	: drk y brn	075-3	
			tr	S/Sst	: calc, glauc, l	075-4	
			tr	Ca	: m brn, dol	075-5	
			tr	Sh/Clst:	gy red, calc	075-6	
			tr	S/Sst	: l	075-7	
			tr	Cont	: prp	075-8	
			tr	Other	: pyr	075-9	

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2435.00						076	
		40	Sh/Clst:	m gy, drk gy, slt		076-1	
		30	Sh/Clst:	ol gy, slt		076-2	
		30	Sltst	: drk y brn		076-3	
		tr	S/Sst	: calc, glauc, l		076-4	
		tr	Ca	: m brn, dol		076-5	
		tr	Sh/Clst:	gy red, calc		076-6	
		tr	Cont	: Coal-ad, prp		076-7	
		tr	S/Sst	: l		076-8	
		tr	Other	: pyr		076-9	
2440.00						077	
		40	Sh/Clst:	m gy, drk gy, slt		077-1	
		30	Sh/Clst:	ol gy, slt		077-2	
		30	Sltst	: drk y brn		077-3	
		tr	S/Sst	: calc, glauc, l		077-4	
		tr	Ca	: m brn, dol		077-5	
		tr	Sh/Clst:	gy red, calc		077-6	
		tr	S/Sst	: l		077-7	
		tr	Cont	: Coal-ad, prp		077-8	
		tr	Other	: pyr		077-9	
2450.00						078	
		40	Sh/Clst:	m gy, drk gy, slt		078-1	
		30	Sh/Clst:	ol gy, slt		078-2	
		30	Sltst	: drk y brn		078-3	
		tr	S/Sst	: calc, glauc, l		078-4	
		tr	Ca	: m brn, dol		078-5	
		tr	Sh/Clst:	gy red, calc		078-6	
		tr	S/Sst	: l		078-7	
		tr	Cont	: Coal-ad, prp		078-8	
		tr	Other	: pyr		078-9	

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2460.00						079
				40 Sh/Clst: m gy, drk gy, slt		079-1
				30 Sh/Clst: ol gy, slt		079-2
				30 Sltst : drk y brn		079-3
				tr S/Sst : calc, glauc, l		079-4
				tr Ca : m brn, dol		079-5
				tr Sh/Clst: gy red, calc		079-6
				tr S/Sst : l		079-7
				tr Cont : Coal-ad, prp		079-8
				tr Other : pyr		079-9
2470.00						080
				40 Sh/Clst: m gy, drk gy, slt		080-1
				30 Sh/Clst: ol gy, slt		080-2
				30 Sltst : drk y brn		080-3
				tr S/Sst : calc, glauc, l		080-4
				tr Ca : m brn, dol		080-5
				tr Sh/Clst: gn blk		080-6
				tr S/Sst : l		080-7
				tr Cont : Coal-ad, prp		080-8
				tr Other : pyr		080-9
2480.00						081
				40 Sh/Clst: m gy, drk gy, slt		081-1
				30 Sh/Clst: ol gy, slt		081-2
				30 Sltst : drk y brn		081-3
				tr S/Sst : calc, glauc, l		081-4
				tr Ca : m brn, dol		081-5
				tr Sh/Clst: gn blk		081-6
				tr S/Sst : l		081-7
				tr Cont : Coal-ad, prp		081-8
				tr Other : pyr		081-9

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2490.00						275
				40 Sh/Clst: m gy, drk gy, slt		275-1
				30 Sh/Clst: ol gy, slt		275-2
				30 Sltst : drk y brn		275-3
				tr S/Sst : calc, glauc, l		275-4
				tr Ca : m brn, dol		275-5
				tr Sh/Clst: gn blk		275-6
				tr S/Sst : l		275-7
				tr Cont : Coal-ad, prp		275-8
				tr Other : pyr		275-9
2500.00						082
				40 Sh/Clst: m gy, drk gy, slt		082-1
				30 Sh/Clst: ol gy, slt		082-2
				30 Sltst : drk y brn		082-3
				tr S/Sst : calc, glauc, l		082-4
				tr Ca : m brn, dol		082-5
				tr Sh/Clst: gn blk		082-6
				tr Ca : gy pi		082-7
				tr Other : pyr		082-8
				tr Cont : Coal-ad, prp		082-9
2510.00						083
				40 Sh/Clst: m gy, drk gy, slt		083-1
				30 Sh/Clst: ol gy, slt		083-2
				30 Sltst : drk y brn		083-3
				tr S/Sst : calc, glauc, l		083-4
				tr Ca : m brn, dol		083-5
				tr Sh/Clst: gn blk		083-6
				tr S/Sst : l		083-7
				tr Cont : Coal-ad, prp		083-8
2520.00						084
				40 Sh/Clst: m gy, drk gy, slt		084-1
				30 Sh/Clst: ol gy, slt		084-2
				30 Sltst : drk y brn		084-3
				tr Ca : m brn, dol		084-4
				tr Sh/Clst: gn blk		084-5
				tr Cont : Coal-ad, prp		084-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2530.00						085
				40 Sh/Clst: m gy, drk gy, slt		085-1
				30 Sh/Clst: ol gy, slt		085-2
				30 Sltst : drk y brn		085-3
				tr Ca : m brn, dol		085-4
				tr Sh/Clst: drk blk		085-5
				tr Cont : Coal-ad, prp		085-6
2540.00						086
				40 Sh/Clst: m gy, drk gy, slt		086-1
				30 Sh/Clst: ol gy, slt		086-2
				30 Sltst : drk y brn		086-3
				tr S/Sst : calc, glauc, l		086-4
				tr Ca : m brn, dol		086-5
				tr Sh/Clst: gn blk		086-6
				tr Cont : Coal-ad, prp		086-7
2560.00						087
				40 Sh/Clst: m gy, drk gy, slt		087-1
				30 Sh/Clst: ol gy, slt		087-2
				30 Sltst : drk y brn		087-3
				tr S/Sst : calc, glauc, l		087-4
				tr Ca : m brn, dol		087-5
				tr Sh/Clst: gn blk		087-6
				tr Cont : Coal-ad, prp		087-7
2585.00						088
				30 Sh/Clst: m gy, drk gy, slt		088-1
				20 Sh/Clst: lt ol gy		088-2
				20 Sltst : m brn, calc		088-3
				20 Cont : Coal-ad		088-5
				10 Ca : pl y brn		088-4
				tr S/Sst : calc, l		088-6
				tr Other : pyr		088-7

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2600.00						089
				30 Sh/Clst: m gy, drk gy, slt		089-1
				20 Sh/Clst: lt ol gy		089-2
				20 Sltst : drk y brn		089-3
				20 Cont : Coal-ad, prp		089-5
				10 Ca : m brn, dol		089-4
				tr S/Sst : calc, l		089-6
				tr Other : pyr		089-7
2620.00						090
				30 Sh/Clst: m gy, drk gy, slt		090-1
				20 Sh/Clst: lt ol gy		090-2
				20 Sltst : drk y brn		090-3
				20 Cont : Coal-ad, prp		090-5
				10 Ca : m brn, dol		090-4
				tr S/Sst : calc, l		090-6
				tr Ca : gy pi		090-7
				tr Other : pyr		090-8
2640.00						091
				80 Ca : gy pi		091-1
				10 Sh/Clst: lt ol gy		091-2
				5 Sh/Clst: m gy, drk gy		091-3
				5 Sltst : m brn, calc		091-4
2660.00						092
				40 Ca : gy pi		092-1
				20 Sh/Clst: lt ol gy		092-2
				20 Sh/Clst: m gy, drk gy		092-3
				20 Sltst : m brn, calc		092-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2680.00						093
				90 Ca : gy pi		093-1
				10 Sh/Clst: slt		093-2
				tr Cont : Coal-ad, prp		093-3
2700.00						094
				90 Ca : gy pi		094-1
				10 Sh/Clst: slt		094-2
				tr Cont : Coal-ad, prp		094-3
				tr Other : pyr		094-4
2720.00						095
				90 Ca : gy pi		095-1
				10 Sh/Clst: slt		095-2
				tr Cont : Coal-ad, prp		095-3
				tr Other : pyr		095-4
2740.00						096
				50 Ca : gy pi, glauc		096-1
				25 Sh/Clst: m gy, drk gy, slt		096-2
				25 Sh/Clst: lt ol gy, slt		096-3
				tr Cont : Coal-ad, fib		096-4
2760.00						097
				50 Ca : gy pi, glauc		097-1
				25 Sh/Clst: m gy, drk gy, slt		097-2
				25 Sh/Clst: lt ol gy, slt		097-3
				tr Cont : Coal-ad, prp, fib		097-4
				tr Other : pyr		097-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2780.00						098
				70 Sh/Clst: m gy, drk gy, slt		098-2
				30 Ca : gy pi, glauc		098-1
				tr Cont : Coal-ad		098-3
				tr Other : pyr		098-4
2800.00						099
				70 Sh/Clst: m gy, drk gy, slt		099-2
				20 Ca : gy pi, glauc		099-1
				10 Sltst : brn gy		099-3
				tr Cont : Coal-ad		099-4
2820.00						100
				80 Ca : gy pi		100-1
				10 Sh/Clst: slt		100-2
				10 Cont : Mica-ad		100-3
2840.00						101
				75 Ca : gy pi		101-1
				15 Sh/Clst: m gy, drk gy, slt		101-2
				tr Cont : prp, fib		101-3
2850.00						102
				50 Ca : gy pi		102-1
				30 Sh/Clst: m gy, drk gy		102-2
				20 Sh/Clst: brn gy		102-3
				tr Cont : prp, fib		102-4
2860.00						103
				50 Ca : gy pi		103-1
				30 Sh/Clst: m gy, drk gy, slt		103-2
				20 Sh/Clst: brn gy		103-3
				tr Cont : prp, fib		103-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2870.00						104
				60 Sh/Clst: m gy, drk gy, slt		104-2
				40 Ca : gy pi		104-1
2880.00						105
				50 Sh/Clst: m gy, drk gy		105-1
				50 Sh/Clst: lt ol gy		105-2
				tr Cont : Coal-ad, Mica-ad, cem, prp		105-3
				tr S/Sst : l		105-4
2890.00						106
				70 Sh/Clst: m gy, drk gy, slt		106-1
				15 Cont : cem		106-2
				10 Sh/Clst: lt ol gy		106-3
				5 Ca : brn gy		106-4
				tr Cont : Coal-ad, Mica-ad, evap		106-5
				tr S/Sst : l		106-6
2900.00						107
				70 Sh/Clst: m gy, drk gy, slt		107-1
				15 Cont : cem		107-2
				10 Sh/Clst: lt ol gy		107-3
				5 Ca : brn gy		107-4
				tr Cont : Coal-ad, Mica-ad, prp, evap		107-5
				tr S/Sst : l		107-6
				tr Other : pyr, glauc		107-7
2910.00						108
				80 Ca : lt ol gy, glauc		108-1
				10 Sh/Clst		108-2
				10 Cont : cem		108-3
				tr Cont : Mica-ad, fib		108-4
				tr Ca : brn gy		108-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2920.00						109	
		80	Sh/Clst			109-1	
		20	Ca	: gy pi		109-2	
		tr	Cont	: Coal-ad, Mica-ad, prp		109-3	
2930.00						110	
		80	Sh/Clst			110-1	
		20	Ca	: gy pi		110-2	
		tr	Cont	: Coal-ad, Mica-ad, cem		110-3	
2940.00						111	
		50	Cont	: cem		111-1	
		45	Sh/Clst:	m gy, drk gy, slt		111-2	
		5	Cont	: prp		111-3	
		tr	Cont	: Coal-ad		111-4	
2950.00						112	
		100	Sh/Clst:	lt gy, m gy, drk gy, slt		112-1	
		tr	Sh/Clst:	m brn, calc		112-2	
		tr	Cont	: Coal-ad, prp		112-3	
2960.00						113	
		95	Sh/Clst:	lt gy, m gy, drk gy, slt		113-1	
		5	Cont	: prp		113-2	
2970.00						114	
		100	Sh/Clst:	lt gy, m gy, drk gy, slt		114-1	
		tr	Sh/Clst:	m brn, calc		114-2	
		tr	Ca	: m brn		114-3	
		tr	Cont	: Coal-ad, cem, prp		114-4	
		tr	Other	: pyr		114-5	

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2980.00						115
				100 Sh/Clst: lt gy, m gy, drk gy, slt		115-1
				tr Sh/Clst: m brn, calc		115-2
				tr Ca : m brn		115-3
				tr Cont : Coal-ad, cem, prp		115-4
				tr Other : pyr		115-5
2990.00						116
				100 Sh/Clst: lt gy, m gy, drk gy, slt		116-1
				tr Cont : Coal-ad, cem		116-2
3000.00						117
				100 Sh/Clst: lt gy, m gy, drk gy, slt		117-1
				tr Cont : Coal-ad, prp, fib		117-2
3010.00						118
				95 Sh/Clst: lt gy, m gy, drk gy, slt		118-1
				5 Ca : drk y brn, dol		118-2
				tr Cont : Coal-ad, cem, prp		118-3
3020.00						119
				95 Sh/Clst: lt gy, m gy, drk gy, slt		119-1
				5 Ca : drk y brn, dol		119-2
				tr Sh/Clst: m brn, calc		119-3
				tr Cont : Coal-ad, prp		119-4
3030.00						120
				95 Sh/Clst: lt gy, m gy, drk gy, slt		120-1
				5 Ca : drk y brn, dol		120-2
				tr Sh/Clst: m brn, calc		120-3
				tr Cont : Coal-ad, prp		120-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3045.00						121
				95 Sh/Clst: lt gy, m gy, drk gy, slt		121-1
				5 Sh/Clst: gy brn		121-2
				tr Cont : Coal-ad, cem, prp		121-3
3050.00						122
				100 Sh/Clst: lt gy, m gy, drk gy, slt		122-1
				tr Ca : drk y brn		122-2
				tr Cont : Coal-ad, prp		122-3
3060.00						123
				100 Sh/Clst: lt gy, m gy, drk gy, slt		123-1
				tr Ca : drk y brn		123-2
				tr Cont : Coal-ad, prp		123-3
3070.00						124
				100 Sh/Clst: lt gy, m gy, drk gy, slt		124-1
				tr Ca : drk y brn		124-2
				tr Sltst : m brn		124-3
				tr Cont : Coal-ad, Mica-ad, prp, fib		124-4
				tr Other : pyr		124-5
3080.00						125
				100 Sh/Clst: lt gy, m gy, drk gy, slt		125-1
				tr Ca : drk y brn		125-2
				tr Cont : Coal-ad, dd		125-3
				tr Other : pyr		125-4
3085.00						126
				100 Sh/Clst: lt gy, m gy, drk gy, slt		126-1
				tr Cont : Coal-ad, Mica-ad, prp, dd		126-2
				tr Other : pyr		126-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3105.00						127	
		100	Sh/Clst:	lt gy, m gy, drk gy, slt		127-1	
			tr Other	: drk y brn, mrl		127-2	
3115.00						128	
		100	Sh/Clst:	lt gy, m gy, drk gy, slt		128-1	
			tr Ca	: drk y brn		128-2	
			tr Cont	: Coal-ad, Mica-ad, prp, dd		128-3	
3125.00						129	
		100	Sh/Clst:	lt gy, m gy, drk gy, slt		129-1	
			tr Ca	: drk y brn		129-2	
			tr Other	: drk y brn, mrl		129-3	
			tr Cont	: Coal-ad, prp		129-4	
3135.00						130	
		90	Sh/Clst:	lt gy, m gy, drk gy, slt		130-1	
		10	Other	: m gy, mrl		130-2	
			tr Ca	: drk y brn		130-3	
			tr Cont	: Coal-ad, prp, dd		130-4	
3145.00						131	
		90	Sh/Clst:	lt gy, m gy, drk gy, slt		131-1	
		10	Other	: m gy, mrl		131-2	
			tr Sh/Clst:	drk gn gy		131-3	
			tr Cont	: Coal-ad, prp, dd		131-4	
3155.00						132	
		90	Sh/Clst:	lt gy, m gy, drk gy, slt		132-1	
		10	Other	: m gy, mrl		132-2	
			tr Cont	: Coal-ad, prp, dd		132-3	

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3165.00						133
				90 Sh/Clst: lt gy, m gy, drk gy, fos, slt		133-1
				10 Other : m gy, mrl		133-2
				tr Sh/Clst: m brn		133-3
				tr Cont : Coal-ad, prp, dd		133-4
3175.00						134
				90 Sh/Clst: lt gy, m gy, drk gy, calc, slt		134-1
				10 Other : m gy, mrl		134-2
				tr Sh/Clst: m brn		134-3
				tr Cont : Coal-ad, prp, dd		134-4
3185.00						135
				90 Sh/Clst: lt gy, m gy, drk gy, calc, slt		135-1
				10 Other : m gy, mrl		135-2
				tr Ca : pl y brn		135-3
				tr Cont : Coal-ad, prp, dd		135-4
3195.00						136
				90 Sh/Clst: lt gy, m gy, drk gy, calc, slt		136-1
				10 Other : m gy, mrl		136-2
				tr Ca : lt gy, glauc		136-3
				tr Cont : Coal-ad, Mica-ad, prp, dd		136-4
3205.00						137
				90 Sh/Clst: lt gy, m gy, drk gy, calc, slt		137-1
				10 Other : m gy, mrl		137-2
				tr Cont : Coal-ad, Mica-ad, prp, dd		137-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3215.00						138
				90 Sh/Clst: lt gy, m gy, drk gy, slt		138-1
				10 Other : m gy, mrl		138-2
				tr Cont : Coal-ad, Mica-ad, prp, dd		138-3
3225.00						139
				95 Sh/Clst: lt gy, m gy, drk gy, slt		139-1
				5 Other : m gy, mrl		139-2
				tr Cont : Coal-ad, Mica-ad, prp, dd		139-3
3235.00						140
				95 Sh/Clst: lt gy, m gy, drk gy, slt		140-1
				5 Other : m gy, mrl		140-2
				tr Cont : Coal-ad, Mica-ad, prp, dd		140-3
3245.00						141
				95 Sh/Clst: lt gy, m gy, drk gy, slt		141-1
				5 Other : m gy, mrl		141-2
				tr Ca : pl y brn		141-3
				tr Ca : pl brn		141-4
				tr Cont : Coal-ad		141-5
3250.00						142
				95 Sh/Clst: lt gy, m gy, drk gy, slt		142-1
				5 Other : m gy, mrl		142-2
				tr Ca : pl brn		142-3
				tr Cont : Coal-ad, prp		142-4
3265.00						143
				95 Sh/Clst: lt gy, m gy, drk gy, slt		143-1
				5 Other : m gy, mrl		143-2
				tr Ca : pl brn		143-3
				tr Cont : Coal-ad, prp, dd		143-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3275.00						144
				95 Sh/Clst: lt gy, m gy, drk gy, slt		144-1
				5 Other : m gy, mrl		144-2
				tr Ca : pl brn		144-3
				tr Cont : Coal-ad, prp, dd		144-4
3285.00						145
				95 Sh/Clst: lt gy, m gy, drk gy, slt		145-1
				5 Other : m gy, mrl		145-2
				tr Ca : pl brn		145-3
				tr Cont : Coal-ad, prp, dd		145-4
3295.00						146
				95 Sh/Clst: lt gy, m gy, drk gy, slt		146-1
				5 Other : m gy, mrl		146-2
				tr Cont : Coal-ad, prp, dd		146-3
3305.00						147
				95 Sh/Clst: lt gy, m gy, drk gy, calc, slt		147-1
				5 Other : m gy, mrl		147-2
				tr Cont : Coal-ad, prp, dd		147-3
3315.00						148
				95 Sh/Clst: lt gy, m gy, drk gy, calc, slt		148-1
				5 Other : m gy, mrl		148-2
				tr Cont : Coal-ad, prp, dd		148-3
3325.00						149
				95 Sh/Clst: lt gy, m gy, drk gy, calc, slt		149-1
				5 Other : m gy, mrl		149-2
				tr Sh/Clst: gy brn		149-3
				tr Cont : Coal-ad, prp, dd		149-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3335.00						150
				95 Sh/Clst: lt gy, m gy, drk gy, calc, slt		150-1
				5 Other : m gy, mrl		150-2
				tr Sh/Clst: gy brn		150-3
				tr Cont : Coal-ad, prp, dd		150-4
3345.00						151
				95 Sh/Clst: lt gy, m gy, drk gy, calc, slt		151-1
				5 Other : m gy, mrl		151-2
				tr Sh/Clst: gy brn		151-3
				tr Ca : pl y brn		151-4
				tr Cont : Coal-ad, prp, dd		151-5
3355.00						152
				60 Other : m gy, mrl		152-2
				40 Sh/Clst: m gy, drk gy, calc		152-1
				tr Sh/Clst: m brn		152-3
				tr Cont : Coal-ad		152-4
3365.00						153
				70 Sh/Clst: m gy, drk gy, calc		153-1
				30 Other : m gy, mrl		153-2
				tr Cont : prp		153-3
3370.00						154
				70 Sh/Clst: m gy, drk gy, calc		154-1
				30 Other : m gy, mrl		154-2
				tr Cont : prp		154-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3380.00						155
	cvd			60 Cont : cem, dd		155-2
				30 Cont : Mica-ad		155-3
				10 Sh/Clst: m gy, drk gy, calc		155-1
				tr Cont : Coal-ad, prp		155-4
3390.00						156
			100	Ca : pl y brn, glauc		156-1
3400.00						157
			95	Ca : pl y brn, glauc		157-1
			5	Cont : Mica-ad		157-2
			tr	Cont : prp		157-3
3415.00						158
			95	Ca : pl y brn, glauc		158-1
			5	Cont : Mica-ad		158-2
			tr	Cont : prp		158-3
3420.00						159
			60	Other : brn gy, mrl		159-1
			40	Ca : pl y brn, glauc		159-2
			tr	Cont : Mica-ad, prp		159-3
3425.00						160
			80	Other : brn gy, mrl		160-1
			20	Ca : pl y brn, glauc		160-2
			tr	Cont : Coal-ad, Mica-ad, prp		160-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3440.00						161
			80	Other : brn gy, mrl		161-1
			10	Ca : pl y brn, glauc		161-2
			10	Sh/Clst: m gy, drk gy, calc		161-3
			tr	Cont : Coal-ad, Mica-ad, prp		161-4
			tr	Other : prp		161-5
3450.00						162
			90	Other : brn gy, mrl		162-1
			10	Sh/Clst: m gy, drk gy, calc		162-2
			tr	Ca : pl y brn, glauc		162-3
			tr	Cont : fib		162-4
3460.00						163
			60	Other : brn gy, mrl		163-1
			25	Sh/Clst: m gy, drk gy, calc		163-2
			15	Ca : brn gy		163-3
			tr	Cont : prp, dd		163-4
3465.00						164
			50	Cont : dd		164-3
			30	Ca : brn gy		164-1
			20	Other : brn gy, mrl		164-2
			tr	Other : prp		164-4
3470.00						165
			70	Other : brn gy, mrl		165-1
			20	Ca : gy pi		165-2
			10	Ca : brn gy		165-3
			tr	S/Sst : glauc		165-4
			tr	Cont : Mica-ad, prp, dd		165-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3475.00						166
			70	Other : brn gy, mrl		166-1
			20	Ca : gy pi		166-2
			10	Ca : brn gy		166-3
			tr	S/Sst : glauc		166-4
			tr	Cont : Mica-ad, prp, dd, fib		166-5
3480.00						167
			70	Other : brn gy, mrl		167-1
			20	Ca : gy pi		167-2
			10	Ca : brn gy		167-3
			tr	S/Sst : glauc		167-4
			tr	Cont : prp, dd		167-5
3485.00						168
			70	Other : brn gy, mrl		168-1
			20	Ca : gy pi		168-2
			10	Ca : brn gy		168-3
			tr	S/Sst : glauc		168-4
			tr	Cont : prp, dd		168-5
3500.00						169
			90	Other : brn gy, mrl		169-1
			10	Sh/Clst: m gy, drk gy, calc		169-2
			tr	Cont : dd		169-3
3510.00						170
			90	Other : brn gy, mrl		170-1
			10	Sh/Clst: m gy, drk gy, calc		170-2
			tr	Cont : dd		170-3
			tr	Other : prp		170-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3520.00						171
			90	Other : brn gy, mrl		171-1
			10	Sh/Clst: m gy, drk gy, calc		171-2
			tr	Cont : prp, dd, fib		171-3
			tr	Other : prp		171-4
3530.00						172
			90	Other : brn gy, mrl		172-1
			10	Sh/Clst: m gy, drk gy, calc		172-2
			tr	Cont : Mica-ad, prp, dd		172-3
			tr	Other : prp		172-4
3540.00						173
			80	Other : brn gy, mrl		173-1
			15	Sh/Clst: m gy, drk gy		173-2
			5	Ca : gy pi		173-3
			tr	Cont : prp, dd		173-4
3550.00						174
			85	Other : brn gy, mrl		174-1
			15	Sh/Clst: m gy, drk gy		174-2
			tr	Cont : dd		174-3
3560.00						175
			85	Other : brn gy, mrl		175-1
			10	Sh/Clst: m gy, drk gy		175-2
			5	Cont : prp, dd, fib		175-3
3575.00						176
			90	Other : brn gy, mrl		176-1
			10	Sh/Clst: m gy, drk gy		176-2
			tr	Cont : prp, dd, fib		176-3

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3590.00						177
	0.37		85	Other : brn gy, mrl		177-1
	0.63		15	Sh/Clst: lt gy, drk gy, slt		177-2
			tr	Cont : Coal-ad, dd		177-3
			tr	Other : pyr		177-4
3595.00						178
			85	Other : brn gy, mrl		178-1
			15	Sh/Clst: lt gy, drk gy, slt		178-2
			tr	Cont : Coal-ad, dd, fib		178-3
			tr	Other : pyr		178-4
3600.00						179
	0.59		85	Other : brn gy, mrl		179-1
			15	Sh/Clst: lt gy, drk gy, slt		179-2
			tr	Cont : prp, dd		179-3
			tr	Other : pyr		179-4
3615.00						180
			80	Other : brn gy, mrl		180-1
			10	Cont : Mica-ad		180-2
			5	Cont : Coal-ad		180-3
			5	Cont : dd		180-4
			tr	Cont : prp, fib		180-5
3620.00						181
			75	Other : brn gy, mrl		181-1
			10	Cont : Coal-ad		181-4
			5	Ca : pl y brn		181-2
			5	Sh/Clst: lt gy, drk gy, slt		181-3
			5	Cont : Mica-ad		181-5
			tr	Cont : prp, dd, fib		181-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3630.00						182
			70	Other : brn gy, mrl		182-1
			15	Sh/Clst: lt gy, drk gy, slt		182-2
			15	Cont : Coal-ad		182-3
			tr	Cont : Mica-ad, prp, ns, dd, fib		182-4
3635.00						183
			60	Cont : cem, dd		183-1
			10	Cont : evap		183-2
			10	Cont : ns		183-3
	cvd	0.43	10	Sh/Clst: m gy, drk gy		183-4
	cvd		10	Other : brn gy, mrl		183-5
			tr	Cont : Coal-ad, cem		183-6
3640.00						184
		5.73	20	Sh/Clst: brn blk, Coal-ad		184-1
	cvd		20	Other : brn gy		184-2
	cvd		20	S/Sst : l		184-3
			20	Cont : cem, dd		184-4
	cvd		10	Ca : lt gy		184-5
			10	Cont : Coal-ad		184-6
			tr	Cont : Mica-ad, prp, fib		184-7
3645.00						185
	cvd	0.54	40	Sh/Clst: lt gy, m gy		185-1
	cvd	2.21	20	Sh/Clst: brn blk, Coal-ad		185-2
			20	Cont : prp		185-4
			10	Ca : lt gy		185-3
			10	S/Sst : l		185-5
			tr	Other : pyr		185-6
			tr	Cont : Mica-ad, prp		185-7

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3650.00						186
	cvd	0.34		40 S/Sst : l		186-1
	cvd	2.57		30 Cont : prp		186-2
				20 Sh/Clst: lt gy, m gy		186-3
				10 Sh/Clst: brn blk, Coal-ad		186-4
				tr Cont : Mica-ad, prp, fib		186-5
				tr Other : pyr		186-6
3700.00						187
	cvd			60 Cont : cem, dd		187-1
				30 Cont : prp		187-2
				5 Ca : gy pi		187-3
				5 Cont : Mica-ad, prp, fib		187-4
3705.00						188
	cvd			80 Cont : cem		188-1
	cvd			10 Cont : prp		188-2
				5 Sh/Clst: m gy, calc		188-3
				5 Ca : lt brn gy		188-4
3710.00						189
	int			80 Cont : cem		189-1
	int			5 Sh/Clst: m gy, calc		189-2
				5 Ca : lt brn gy		189-3
				5 Cont : prp		189-4
	int			5 S/Sst		189-5
3720.00						190
	int	0.45		80 Cont : cem		190-1
	int			5 Sh/Clst: m gy, calc		190-2
				5 Ca : lt brn gy		190-3
				5 Cont : prp		190-4
				5 S/Sst		190-6
	int			tr Cont : Mica-ad		190-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3725.00						191
int			80	Cont : cem		191-1
int			5	Sh/Clst: m gy, calc		191-2
int			5	Ca : lt brn gy		191-3
			5	Cont : prp		191-4
			5	S/Sst		191-6
			tr	Cont : Mica-ad		191-5
3730.00						192
			100	Cont : cem		192-1
3735.00						193
			100	Cont : cem		193-1
3740.00						194
int			80	Cont : cem		194-1
int			5	Sh/Clst: m gy, calc		194-2
int			5	Ca : lt brn gy		194-3
			5	Cont : prp		194-4
			5	S/Sst		194-6
			tr	Cont : Mica-ad		194-5
3745.00						195
int			55	Cont : cem		195-1
int			15	Cont : ns		195-4
int			15	S/Sst		195-7
			5	Sh/Clst: m gy, slt		195-2
			5	Ca : pl y brn		195-3
			5	Cont : prp		195-5
			tr	Cont : Coal-ad, fib		195-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3750.00						196
				55 Cont : cem		196-1
				15 Cont : ns		196-4
int				10 Sh/Clst: m gy, slt		196-2
int				10 Ca : pl y brn		196-3
				5 Cont : prp		196-5
int				5 S/Sst		196-7
				tr Cont : Coal-ad, fib		196-6
3755.00						197
				40 Cont : cem		197-1
	0.63			40 Sh/Clst: lt gy, m gy, slt		197-2
				10 Cont : Coal-ad		197-3
				10 Cont : ns		197-4
				tr Cont : prp		197-5
3760.00						198
				55 Cont : cem		198-1
	0.63			15 Sh/Clst: m gy, slt		198-2
				15 Cont : ns		198-4
				10 Ca : pl y brn		198-3
				5 Cont : prp		198-5
				tr Cont : Coal-ad, prp, fib		198-6
3765.00						199
				75 Cont : cem		199-1
				15 Cont : ns		199-2
				10 Sh/Clst: lt gy, m gy, slt		199-3
				tr Cont : Coal-ad, Mica-ad, prp		199-4
3770.00						200
				75 Cont : cem		200-1
int				15 S/Sst		200-6
int				5 Cont : ns		200-2
int				5 Sh/Clst: lt gy, m gy, slt		200-3
				tr Cont : Coal-ad, Mica-ad, prp		200-4
int				tr Coal		200-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
						276
3775.00						
int			85	Cont : cem		276-1
			10	S/Sst		276-5
			5	Sh/Clst: lt gy, m gy, slt		276-2
int			tr	Cont : Coal-ad, prp		276-3
			tr	Coal		276-4
						201
3780.00						
int			75	Cont : cem		201-1
			15	Cont : ns		201-2
int			10	S/Sst		201-5
			tr	Sh/Clst: lt gy, m gy, slt		201-3
int			tr	Cont : Coal-ad, Mica-ad, prp		201-4
						202
3785.00						
int			75	Cont : cem		202-1
			15	Cont : ns		202-2
			10	S/Sst		202-5
			tr	Sh/Clst: lt gy, m gy, slt		202-3
			tr	Cont : Coal-ad, Mica-ad, prp		202-4
						203
3790.00						
int			50	Cont : cem		203-1
			15	Cont : Coal-ad		203-2
			15	S/Sst		203-7
			10	Cont : ns		203-5
			5	Sh/Clst: lt gy, m gy, slt		203-3
			5	Ca : pl y brn		203-4
			tr	Cont : prp, fib		203-6
						204
3800.00						
int			50	Cont : cem		204-1
int			25	S/Sst : l		204-4
int	0.24		10	Ca : pl y brn		204-2
			10	Sh/Clst: lt gy, m gy, slt		204-3
	0.61		5	Cont : ns		204-5
			tr	Cont : Coal-ad, prp		204-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3810.00						205
				50 Cont : cem		205-1
int				25 S/Sst : l		205-4
int				10 Ca : pl y brn		205-2
int				10 Sh/Clst: lt gy, m gy, slt		205-3
				5 Cont : ns		205-5
				tr Cont : Coal-ad, prp		205-6
3850.00						206
	cvd			40 Cont : cem		206-1
	cvd			30 Ca : pl y brn		206-2
	cvd			20 Sh/Clst: lt gy, lt ol gy, pyr		206-3
	cvd			10 Sh/Clst: gy blk		206-4
	cvd			tr Cont : prp		206-5
3865.00						207
	cvd			90 Sh/Clst: m gy, drk gy, carb		207-1
	cvd			10 Cont : cem		207-2
	cvd			tr Sh/Clst: gy blk		207-3
	cvd			tr Sh/Clst: lt gy, slt		207-4
	cvd			tr Cont : prp		207-5
3875.00						208
	cvd	0.90		40 Cont : cem		208-1
				30 Sh/Clst: lt gy, m gy, drk gy, slt		208-2
				15 Coal		208-4
int		0.36		10 Ca : pl y brn		208-3
int				5 S/Sst		208-6
				tr Cont : prp, fib		208-5
3885.00						209
				90 Cont : cem		209-1
				10 Sh/Clst: v col		209-2

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3905.00						210
	0.95		40 Cont	: cem		210-1
			30 Sh/Clst:	lt gy, m gy, drk gy, slt		210-2
			15 Cont	: ns		210-3
			10 Cont	: prp, fib		210-5
			5 Ca	: pl y brn		210-4
3915.00						211
			100 Cont	: cem		211-1
			tr Sh/Clst:	lt gy, m gy, drk gy, slt		211-2
			tr Ca	: pl y brn		211-3
3920.00						212
	1.20		50 Cont	: cem		212-1
			40 Sh/Clst:	gy blk, m gy, drk gy, slt		212-2
	0.44		10 Ca	: pl y brn		212-3
			tr Cont	: prp		212-4
			tr Other	: pyr		212-5
3930.00						213
	1.74		50 Cont	: cem		213-1
			40 Sh/Clst:	gy blk, m gy, drk gy, slt		213-2
			10 Ca	: pl y brn		213-3
			tr Cont	: prp		213-4
			tr Other	: pyr		213-5
3940.00						214
	1.81		30 Sh/Clst:	gy blk, m gy, drk gy, slt		214-1
			30 Sh/Clst:	lt gy, m gy, pyr, slt		214-2
			30 Cont	: cem		214-3
			10 Coal			214-4
			tr Other	: pyr		214-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3950.00						215	
	3.17	30	Sh/Clst: gy blk, m gy, drk gy, slt			215-1	
	0.47	30	Sh/Clst: lt gy, m gy, pyr, slt			215-2	
		30	Cont : cem			215-3	
		10	Coal			215-4	
		tr	Cont : fib			215-5	
		tr	Other : pyr			215-6	
3955.00						216	
	1.31	30	Sh/Clst: gy blk, m gy, drk gy, slt			216-1	
		30	Sh/Clst: lt gy, m gy, pyr, slt			216-2	
		30	Cont : cem			216-3	
		10	Coal			216-4	
		tr	Other : glauc			216-5	
		tr	Other : pyr			216-6	
3965.00						217	
	2.45	30	Sh/Clst: gy blk, m gy, drk gy, slt			217-1	
		30	S/Sst : crs, l			217-3	
		30	Cont : cem			217-4	
		10	Sh/Clst: lt gy, m gy, pyr, slt			217-2	
		tr	Cont : prp			217-5	
3975.00						218	
	3.44	40	Sh/Clst: gy blk, m gy, drk gy, slt			218-1	
		30	Cont : prp			218-4	
	2.45	20	Sh/Clst: lt gy, m gy, pyr, slt			218-2	
		10	S/Sst : crs, l			218-3	
		tr	Cont : fib			218-5	
3985.00						219	
	1.69	60	S/Sst : crs, l			219-3	
		15	Sh/Clst: gy blk, m gy, drk gy, slt			219-1	
		15	Cont : cem			219-4	
		10	Sh/Clst: lt gy, m gy, pyr, slt			219-2	
		tr	Cont : prp, fib			219-5	

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3990.00						220
	1.62			60 S/Sst : crs, l		220-3
				15 Sh/Clst: gy blk, m gy, drk gy, slt		220-1
				15 Cont : cem		220-4
				10 Sh/Clst: lt gy, m gy, pyr, slt		220-2
				tr Cont : prp, fib		220-5
3995.00						221
	1.36			50 Sh/Clst: gy blk, m gy, drk gy, slt		221-1
	0.56			30 Sh/Clst: lt gy, m gy, pyr, slt		221-2
				10 S/Sst : crs, l		221-3
				10 Cont : cem		221-4
				tr Cont : prp, fib		221-5
4000.00						222
	2.88			40 Cont : cem		222-5
				30 Sh/Clst: gy blk, m gy, drk gy, slt		222-1
				10 Sh/Clst: lt gy, m gy, pyr, slt		222-2
				10 Ca : pl y brn		222-3
				10 S/Sst : crs, l		222-4
				tr Cont : prp, fib		222-6
4010.00						223
	1.28			50 Sh/Clst: gy blk, m gy, drk gy, slt		223-1
				20 Sh/Clst: lt gy, m gy, pyr, slt		223-2
				15 Ca : pl y brn		223-3
				10 Cont : cem		223-4
				5 Cont : prp		223-5
4015.00						224
	0.51			30 Sh/Clst: lt gy, m gy, pyr, slt		224-2
	0.32			30 Ca : pl y brn		224-3
	2.54			15 Sh/Clst: gy blk, m gy, drk gy, slt		224-1
				15 Cont : cem		224-4
				10 Cont : prp, fib		224-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4020.00						225
	1.86	40	Sh/Clst:	gy blk, m gy, drk gy, slt		225-1
		25	Ca	: pl y brn		225-3
		15	Sh/Clst:	lt gy, m gy, pyr, slt		225-2
		15	Cont	: cem		225-5
		5	S/Sst	: crs, l		225-4
		tr	Other	: pyr		225-6
4030.00						226
	2.45	40	Sh/Clst:	gy blk, m gy, drk gy, slt		226-1
	0.32	25	Ca	: pl y brn		226-3
		15	Sh/Clst:	lt gy, m gy, pyr, slt		226-2
		15	Cont	: cem		226-5
		5	S/Sst	: crs, l		226-4
		tr	Cont	: Coal-ad, prp, fib		226-6
		tr	Other	: pyr		226-7
4035.00						227
	1.52	50	Sh/Clst:	gy blk, m gy, drk gy, slt		227-1
		20	Sh/Clst:	lt gy, m gy, pyr, slt		227-2
		20	Ca	: pl y brn		227-3
		10	Cont	: ns		227-4
		tr	Cont	: Coal-ad, prp, fib		227-5
4040.00						228
	2.07	50	Sh/Clst:	gy blk, m gy, drk gy, slt		228-1
		20	Sh/Clst:	lt gy, m gy, pyr, slt		228-2
		20	Ca	: pl y brn		228-3
		10	Cont	: ns		228-4
		tr	Cont	: Coal-ad, prp, fib		228-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
4045.00						229	
	1.46	50	Sh/Clst:	gy blk, m gy, drk gy, slt		229-1	
		20	Sh/Clst:	lt gy, m gy, pyr, slt		229-2	
		20	Ca	: pl y brn		229-3	
		10	Cont	: ns		229-4	
		tr	Cont	: Coal-ad, prp, fib		229-5	
4050.00						230	
	2.48	50	Sh/Clst:	gy blk, m gy, drk gy, slt		230-1	
	0.28	30	Ca	: pl y brn		230-3	
		10	Sh/Clst:	lt gy, m gy, pyr, slt		230-2	
		10	Cont	: cem		230-4	
		tr	Cont	: prp		230-5	
4055.00						231	
	0.93	50	Sh/Clst:	gy blk, m gy, drk gy, slt		231-1	
		30	Ca	: pl y brn		231-3	
		10	Sh/Clst:	lt gy, m gy, pyr, slt		231-2	
		10	Cont	: cem		231-4	
		tr	Cont	: prp		231-5	
4060.00						232	
	1.29	50	Sh/Clst:	gy blk, m gy, drk gy, slt		232-1	
		30	Ca	: pl y brn		232-3	
		10	Sh/Clst:	lt gy, m gy, pyr, slt		232-2	
		10	Cont	: cem		232-4	
		tr	Cont	: prp		232-5	
4065.00						233	
	2.27	50	Sh/Clst:	gy blk, m gy, drk gy, slt		233-1	
	0.40	30	Ca	: pl y brn		233-3	
		10	Sh/Clst:	lt gy, m gy, pyr, slt		233-2	
		10	Cont	: cem		233-4	
		tr	Cont	: prp		233-5	

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4070.00						234
	1.14	50	Sh/Clst:	gy blk, m gy, drk gy, slt		234-1
		30	Ca	: pl y brn		234-3
		10	Sh/Clst:	lt gy, m gy, pyr, slt		234-2
		10	Cont	: cem		234-4
			tr Coal			234-5
			tr Cont	: prp		234-6
4075.00						235
	2.00	50	Sh/Clst:	gy blk, m gy, drk gy, slt		235-1
	0.38	30	Ca	: pl y brn		235-3
		10	Sh/Clst:	lt gy, m gy, pyr, slt		235-2
		10	Cont	: cem		235-4
			tr Cont	: prp		235-5
4080.00						236
	0.80	80	Sh/Clst:	lt gy, m gy, drk gy, pyr		236-1
		10	Ca	: lt ol gy		236-2
		10	Cont	: cem		236-3
			tr Cont	: prp		236-4
			tr Other	: pyr		236-5
4085.00						237
	3.24	40	Sh/Clst:	brn blk		237-1
		30	Ca	: lt ol gy		237-2
		15	Sh/Clst:	lt gy, m gy, drk gy, pyr		237-3
		15	Cont	: cem		237-4
			tr Cont	: Coal-ad, prp, fib		237-5
4090.00						238
	2.50	30	Sh/Clst:	brn blk		238-1
	0.40	30	Ca	: lt ol gy		238-2
	0.56	20	Sh/Clst:	lt gy, m gy, drk gy, pyr		238-3
		20	S/Sst	: crs, l		238-4
			tr Coal			238-5
			tr Cont	: cem, prp		238-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4095.00						239
		3.12		30 Sh/Clst: brn blk		239-1
				30 Ca : lt ol gy		239-2
				20 Sh/Clst: lt gy, m gy, drk gy, pyr		239-3
				20 S/Sst : crs, l		239-4
				tr Coal		239-5
				tr Cont : cem, prp		239-6
4105.00						240
	cvd	3.09		30 Sh/Clst: brn blk		240-1
				30 S/Sst : crs, l		240-2
				20 Cont : cem, dd		240-5
				10 Ca : lt ol gy		240-3
	cvd			10 Sh/Clst: lt gy, m gy, drk gy, pyr		240-4
				tr Coal		240-6
				tr Cont : prp		240-7
4125.00						241
				40 Cont : cem, dd		241-1
				30 Cont : prp		241-2
	cvd			20 Sh/Clst: brn blk		241-3
				10 S/Sst : glauc, crs, l		241-4
				tr Coal		241-5
				tr Cont : fib		241-6
				tr Other : pyr		241-7
4130.00						242
				30 Ca : pl y brn		242-1
	cvd			30 Sh/Clst: m gy, drk gy, slt		242-2
				30 S/Sst : crs, l		242-3
				10 Cont : prp, fib		242-4
				tr Other : pyr		242-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4135.00						243
	cvd			40 S/Sst : crs, l		243-3
				30 Ca : pl y brn		243-1
				20 Sh/Clst: m gy, drk gy, slt		243-2
				10 Cont : Coal-ad, prp		243-4
				tr Other : pyr		243-5
4140.00						244
	cvd			30 Ca : pl y brn		244-1
				30 S/Sst : crs, l		244-4
				20 Cont : prp		244-5
	cvd			10 Sh/Clst: m gy, drk gy, slt		244-2
	cvd			5 Sh/Clst: brn blk		244-3
				5 Cont : Coal-ad, prp, fib		244-6
4145.00						245
	cvd			30 Ca : pl y brn		245-1
				30 S/Sst : crs, l		245-4
				20 Cont : prp		245-5
	cvd			10 Sh/Clst: m gy, drk gy, slt		245-2
	cvd			5 Sh/Clst: brn blk		245-3
				5 Cont : Coal-ad, prp, fib		245-6
4150.00						246
	cvd			30 Ca : pl y brn		246-1
				30 S/Sst : crs, l		246-4
				20 Cont : prp		246-5
	cvd			10 Sh/Clst: m gy, drk gy, slt		246-2
	cvd			5 Sh/Clst: brn blk		246-3
				5 Cont : Coal-ad, prp, fib		246-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4155.00						247
	2.29		50	Sh/Clst: brn blk to m gy		247-2
			40	Ca : pl y brn		247-1
			10	Cont : prp		247-3
			tr	S/Sst : crs, l		247-4
			tr	Cont : Coal-ad		247-5
4160.00						248
			50	S/Sst : crs, l		248-1
			20	Ca : pl y brn		248-2
			20	Sh/Clst: brn blk to m gy, slt		248-3
			10	Cont : prp		248-4
			tr	Cont : Coal-ad, Mica-ad, fib		248-5
4175.00						249
	2.73		40	Sh/Clst: brn blk to m gy, slt		249-1
	0.34		30	Ca : pl y brn		249-2
			20	Cont : prp		249-3
			10	S/Sst : crs, l		249-4
			tr	Cont : Coal-ad		249-5
			tr	Other : pyr		249-6
4180.00						250
	2.03		40	Sh/Clst: brn blk to m gy, slt		250-1
			30	Ca : pl y brn		250-2
			20	Cont : prp		250-3
			10	S/Sst : crs, l		250-4
			tr	Cont : Coal-ad		250-5
			tr	Other : pyr		250-6
4185.00						251
	1.70		40	Sh/Clst: brn blk to m gy, slt		251-1
			30	Ca : pl y brn		251-2
			20	Cont : prp		251-3
			10	S/Sst : crs, l		251-4
			tr	Cont : Coal-ad		251-5
			tr	Other : pyr		251-6

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4190.00						252
	1.65	80	Sh/Clst:	brn blk to m gy, slt		252-1
		10	Ca	: pl y brn		252-2
		10	S/Sst	: crs, l		252-3
		tr	Cont	: Coal-ad, prp, fib		252-4
		tr	Other	: pyr		252-5
4195.00						253
	1.99	80	Sh/Clst:	brn blk to m gy, slt		253-1
		10	Ca	: pl y brn		253-2
		10	S/Sst	: crs, l		253-3
		tr	Cont	: Coal-ad, prp, fib		253-4
		tr	Other	: pyr		253-5
4200.00						254
	1.68	80	Sh/Clst:	brn blk to m gy, slt		254-1
		10	Ca	: pl y brn		254-2
		10	S/Sst	: crs, l		254-3
		tr	Cont	: Coal-ad, prp, fib		254-4
		tr	Other	: pyr		254-5
4205.00						255
	0.92	80	Sh/Clst:	brn blk to m gy, slt		255-1
		10	Ca	: pl y brn		255-2
		10	S/Sst	: crs, l		255-3
		tr	Cont	: Coal-ad, prp, fib		255-4
		tr	Other	: pyr		255-5
4210.00						256
	0.98	80	Sh/Clst:	brn blk to m gy, slt		256-1
		10	Ca	: pl y brn		256-2
		10	S/Sst	: crs, l		256-3
		tr	Cont	: Coal-ad, prp, fib		256-4
		tr	Other	: pyr		256-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4215.00						257
	0.80		80	Sh/Clst: brn blk to m gy, slt		257-1
			10	Ca : pl y brn		257-2
			10	S/Sst : crs, l		257-3
			tr	Cont : Coal-ad, prp, fib		257-4
			tr	Other : pyr		257-5
4220.00						258
	1.38		80	Sh/Clst: brn blk to m gy, slt		258-1
			10	Ca : pl y brn		258-2
			10	S/Sst : crs, l		258-3
			tr	Cont : Coal-ad, prp, fib		258-4
			tr	Other : pyr		258-5
4225.00						259
	0.83		80	Sh/Clst: brn blk to m gy, slt		259-1
			10	Ca : pl y brn		259-2
			10	S/Sst : crs, l		259-3
			tr	Cont : Coal-ad, prp, fib		259-4
			tr	Other : pyr		259-5
4230.00						260
	0.66		80	Sh/Clst: brn blk to m gy, slt		260-1
			10	Ca : pl y brn		260-2
			10	S/Sst : crs, l		260-3
			tr	Cont : Coal-ad, prp, fib		260-4
			tr	Other : pyr		260-5
4240.00						261
	0.33		40	Ca : pl y brn		261-2
			40	S/Sst : crs, l		261-3
	2.35		20	Sh/Clst: brn blk to m gy, slt		261-1
			tr	Cont : Coal-ad, prp, fib		261-4
			tr	Other : pyr		261-5

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4245.00						262
		0.43	80	Sh/Clst: brn blk to m gy, slt		262-1
			10	Ca : pl y brn		262-2
			10	S/Sst : crs, l		262-3
			tr	Cont : Coal-ad, prp, fib		262-4
			tr	Other : pyr		262-5
4255.00						263
			40	Ca : pl y brn		263-2
			40	S/Sst : crs, l		263-3
			20	Sh/Clst: brn blk to m gy, slt		263-1
			tr	Cont : Coal-ad, prp, fib		263-4
			tr	Other : pyr		263-5
4270.00						264
			80	Sh/Clst: red blk to drk red brn		264-1
	cvd		10	Sh/Clst: brn blk to drk gy, slt		264-2
	cvd		5	Ca : pl y brn		264-3
			5	S/Sst : crs, l		264-4
			tr	Cont : Coal-ad, prp, fib		264-5
4280.00						265
		0.36	90	Sh/Clst: red blk to drk red brn		265-1
	cvd		10	Sh/Clst: brn blk to m gy, slt		265-2
			tr	Cont : Coal-ad, prp, fib		265-3
4295.00						266
			85	Sh/Clst: red blk to drk red brn		266-1
			10	Ca : pl y brn		266-2
	cvd		5	Sh/Clst: brn blk to m gy, slt		266-3
			tr	Cont : Coal-ad, fib		266-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4300.00						267
	cvd	0.22	100	Sh/Clst: red blk to drk red brn tr Ca : pl y brn tr Sh/Clst: brn blk to m gy, slt tr Cont : Coal-ad		267-1 267-2 267-3 267-4
4305.00						268
	cvd		100	Sh/Clst: red blk to drk red brn tr Ca : pl y brn tr Sh/Clst: brn blk to m gy, slt tr Cont : Coal-ad		268-1 268-2 268-3 268-4
4310.00						269
	cvd		100	Sh/Clst: red blk to drk red brn tr Ca : pl y brn tr Sh/Clst: brn blk to m gy, slt tr Cont : Coal-ad		269-1 269-2 269-3 269-4
4325.00						270
	cvd cvd		100	Sh/Clst: red blk to drk red brn tr Ca : pl y brn tr Sh/Clst: brn blk to m gy, slt tr Cont : Coal-ad		270-1 270-2 270-3 270-4
4335.00						271
	cvd cvd	0.29	100	Sh/Clst: red blk to drk red brn tr Ca : pl y brn tr Sh/Clst: brn blk to m gy, slt tr Cont : Coal-ad, prp		271-1 271-2 271-3 271-4

Table 1 : Lithology description for well NOCS 25/2-4

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
4340.00						272
	cvd			100 Sh/Clst: red blk to drk red brn		272-1
	cvd			tr Ca : pl y brn		272-2
				tr Sh/Clst: brn blk to m gy, slt		272-3
				tr Cont : Coal-ad, prp		272-4
4345.00						273
	cvd			100 Sh/Clst: red blk to drk red brn		273-1
				tr Ca : pl y brn		273-2
				tr Sh/Clst: brn blk to m gy, slt		273-3
				tr Cont : Coal-ad		273-4
4355.00						274
int				50 Sh/Clst: red blk to drk red brn		274-1
int				50 S/Sst		274-5
				tr Ca : pl y brn		274-2
	cvd			tr Sh/Clst: brn blk to m gy, slt		274-3
				tr Cont : Coal-ad		274-4
4360.00						277
int	0.16			50 Sh/Clst: red blk to drk red brn		277-1
int				50 S/Sst		277-5
				tr Ca : pl y brn		277-2
	cvd			tr Sh/Clst: brn blk to m gy, slt		277-3
				tr Cont : Coal-ad		277-4

Table 2 : Rock-Eval table for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3590.00	cut	Other : brn gy	0.14	0.10	0.71	0.14	0.37	27	192	0.2	0.58	391	177-1
3590.00	cut	Sh/Clst: lt gy, drk gy	0.28	0.33	0.80	0.41	0.63	52	127	0.6	0.46	428	177-2
3600.00	cut	Other : brn gy	0.23	0.16	0.77	0.21	0.59	27	131	0.4	0.59	389	179-1
3600.00	cut	Sh/Clst: lt gy, drk gy	0.40	0.53	4.24	0.13	-	-	-	0.9	0.43	398	179-2
3635.00	cut	Sh/Clst: m gy, drk gy	0.16	0.43	0.36	1.19	0.43	100	84	0.6	0.27	429	183-4
3640.00	cut	Sh/Clst: brn blk	3.38	8.65	0.99	8.74	5.73	151	17	12.0	0.28	439	184-1
3645.00	cut	Sh/Clst: lt gy, m gy	1.15	1.03	0.48	2.15	0.54	191	89	2.2	0.53	351	185-1
3645.00	cut	Sh/Clst: brn blk	2.51	4.30	0.43	10.00	2.21	195	19	6.8	0.37	441	185-2
3650.00	cut	Sh/Clst: lt gy, m gy	0.29	0.36	0.57	0.63	0.34	106	168	0.7	0.45	353	186-3
3650.00	cut	Sh/Clst: brn blk	1.79	4.84	0.54	8.96	2.57	188	21	6.6	0.27	439	186-4
3720.00	cut	Sh/Clst: m gy	0.18	0.37	1.29	0.29	0.45	82	287	0.6	0.33	400	190-2
3755.00	cut	Sh/Clst: lt gy, m gy	0.13	0.37	1.77	0.21	0.63	59	281	0.5	0.26	433	197-2
3760.00	cut	Sh/Clst: m gy	0.18	0.52	1.72	0.30	0.63	83	273	0.7	0.26	435	198-2
3800.00	cut	Ca : pl y brn	0.21	0.43	0.65	0.66	0.24	179	271	0.6	0.33	429	204-2
3800.00	cut	Sh/Clst: lt gy, m gy	0.24	0.61	1.23	0.50	0.61	100	202	0.9	0.28	440	204-3

Table 2 : Rock-Eval table for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3875.00	cut	Sh/Clst: lt gy, m gy, drk gy	0.41	0.98	1.25	0.78	0.90	109	139	1.4	0.29	439	208-2
3875.00	cut	Ca : pl y brn	0.66	0.65	0.86	0.76	0.36	181	239	1.3	0.50	425	208-3
3905.00	cut	Sh/Clst: lt gy, m gy, drk gy	0.33	1.11	1.28	0.87	0.95	117	135	1.4	0.23	443	210-2
3920.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.62	1.50	1.11	1.35	1.20	125	92	2.1	0.29	440	212-2
3920.00	cut	Ca : pl y brn	0.43	0.73	1.11	0.66	0.44	166	252	1.2	0.37	422	212-3
3930.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.80	2.32	0.98	2.37	1.74	133	56	3.1	0.26	442	213-2
3940.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.89	2.99	1.05	2.85	1.81	165	58	3.9	0.23	441	214-1
3950.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.16	5.77	1.27	4.54	3.17	182	40	6.9	0.17	441	215-1
3950.00	cut	Sh/Clst: lt gy, m gy	0.17	0.31	1.19	0.26	0.47	66	253	0.5	0.35	429	215-2
3955.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.48	1.61	1.20	1.34	1.31	123	92	2.1	0.23	443	216-1
3965.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.04	3.85	1.23	3.13	2.45	157	50	4.9	0.21	443	217-1
3975.00	cut	Sh/Clst: gy blk, m gy, drk gy	9.35	6.12	0.69	8.87	3.44	178	20	15.5	0.60	435	218-1
3975.00	cut	Sh/Clst: lt gy, m gy	11.59	5.11	0.67	7.63	2.45	209	27	16.7	0.69	361	218-2
3985.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.64	2.00	1.11	1.80	1.69	118	66	2.6	0.24	442	219-1
3990.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.79	2.36	1.26	1.87	1.62	146	78	3.1	0.25	442	220-1

Table 2 : Rock-Eval table for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3995.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.69	1.65	0.93	1.77	1.36	121	68	2.3	0.29	442	221-1
3995.00	cut	Sh/Clst: lt gy, m gy	0.36	0.48	0.88	0.55	0.56	86	157	0.8	0.43	432	221-2
4000.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.05	4.25	0.93	4.57	2.88	148	32	5.3	0.20	442	222-1
4010.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.50	1.62	1.14	1.42	1.28	127	89	2.1	0.24	443	223-1
4015.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.00	3.90	0.97	4.02	2.54	154	38	4.9	0.20	443	224-1
4015.00	cut	Sh/Clst: lt gy, m gy	0.18	0.29	0.75	0.39	0.51	57	147	0.5	0.38	435	224-2
4015.00	cut	Ca : pl y brn	0.17	0.41	0.76	0.54	0.32	128	238	0.6	0.29	428	224-3
4020.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.21	3.86	1.01	3.82	1.86	208	54	5.1	0.24	444	225-1
4030.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.98	3.55	0.84	4.23	2.45	145	34	4.5	0.22	442	226-1
4030.00	cut	Ca : pl y brn	0.14	0.41	1.23	0.33	0.32	128	384	0.6	0.25	426	226-3
4035.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.98	3.08	0.59	5.22	1.52	203	39	4.1	0.24	444	227-1
4040.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.22	5.24	0.76	6.89	2.07	253	37	6.5	0.19	443	228-1
4045.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.25	4.75	0.61	7.79	1.46	325	42	6.0	0.21	443	229-1
4050.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.03	4.32	0.78	5.54	2.48	174	31	5.4	0.19	443	230-1
4050.00	cut	Ca : pl y brn	0.11	0.35	0.98	0.36	0.28	125	350	0.5	0.24	427	230-3

Table 2 : Rock-Eval table for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4055.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.32	0.85	1.08	0.79	0.93	91	116	1.2	0.27	443	231-1
4060.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.37	1.46	1.19	1.23	1.29	113	92	1.8	0.20	446	232-1
4065.00	cut	Sh/Clst: gy blk, m gy, drk gy	1.04	3.69	0.66	5.59	2.27	163	29	4.7	0.22	441	233-1
4065.00	cut	Ca : pl y brn	0.18	0.41	3.08	0.13	0.40	103	770	0.6	0.31	423	233-3
4070.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.34	1.09	0.43	2.53	1.14	96	38	1.4	0.24	444	234-1
4075.00	cut	Sh/Clst: gy blk, m gy, drk gy	0.86	3.33	0.82	4.06	2.00	167	41	4.2	0.21	442	235-1
4075.00	cut	Ca : pl y brn	0.11	0.41	2.10	0.20	0.38	108	553	0.5	0.21	425	235-3
4080.00	cut	Sh/Clst: lt gy, m gy, drk gy	0.21	0.75	0.54	1.39	0.80	94	68	1.0	0.22	445	236-1
4085.00	cut	Sh/Clst: brn blk	1.79	5.62	0.75	7.49	3.24	173	23	7.4	0.24	441	237-1
4090.00	cut	Sh/Clst: brn blk	1.62	3.72	0.58	6.41	2.50	149	23	5.3	0.30	439	238-1
4090.00	cut	Ca : lt ol gy	0.55	0.69	0.82	0.84	0.40	173	205	1.2	0.44	424	238-2
4090.00	cut	Sh/Clst: lt gy, m gy, drk gy	0.54	0.70	0.58	1.21	0.56	125	104	1.2	0.44	353	238-3
4095.00	cut	Sh/Clst: brn blk	1.75	6.13	0.53	11.57	3.12	196	17	7.9	0.22	442	239-1
4105.00	cut	Sh/Clst: brn blk	1.43	3.97	0.92	4.32	3.09	128	30	5.4	0.26	442	240-1
4155.00	cut	Sh/Clst: brn blk to m gy	0.89	3.77	0.75	5.03	2.29	165	33	4.7	0.19	440	247-2

Table 2 : Rock-Eval table for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4175.00	cut	Sh/Clst: brn blk to m gy	1.27	4.58	0.63	7.27	2.73	168	23	5.8	0.22	441	249-1
4175.00	cut	Ca : pl y brn	0.28	0.53	0.92	0.58	0.34	156	271	0.8	0.35	422	249-2
4180.00	cut	Sh/Clst: brn blk to m gy	0.67	2.58	0.60	4.30	2.03	127	30	3.3	0.21	444	250-1
4185.00	cut	Sh/Clst: brn blk to m gy	0.52	2.24	0.55	4.07	1.70	132	32	2.8	0.19	444	251-1
4190.00	cut	Sh/Clst: brn blk to m gy	0.49	1.85	0.64	2.89	1.65	112	39	2.3	0.21	442	252-1
4195.00	cut	Sh/Clst: brn blk to m gy	0.77	2.89	0.47	6.15	1.99	145	24	3.7	0.21	444	253-1
4200.00	cut	Sh/Clst: brn blk to m gy	0.51	2.23	0.51	4.37	1.68	133	30	2.7	0.19	444	254-1
4205.00	cut	Sh/Clst: brn blk to m gy	0.22	0.82	0.45	1.82	0.92	89	49	1.0	0.21	442	255-1
4210.00	cut	Sh/Clst: brn blk to m gy	0.41	1.37	0.43	3.19	0.98	140	44	1.8	0.23	443	256-1
4215.00	cut	Sh/Clst: brn blk to m gy	0.24	0.98	0.41	2.39	0.80	123	51	1.2	0.20	447	257-1
4220.00	cut	Sh/Clst: brn blk to m gy	0.44	1.63	0.49	3.33	1.38	118	36	2.1	0.21	440	258-1
4225.00	cut	Sh/Clst: brn blk to m gy	0.38	1.62	0.39	4.15	0.83	195	47	2.0	0.19	444	259-1
4230.00	cut	Sh/Clst: brn blk to m gy	0.58	2.37	0.40	5.92	0.66	359	61	2.9	0.20	442	260-1
4240.00	cut	Sh/Clst: brn blk to m gy	0.79	3.10	0.58	5.34	2.35	132	25	3.9	0.20	444	261-1
4240.00	cut	Ca : pl y brn	0.20	0.40	0.73	0.55	0.33	121	221	0.6	0.33	423	261-2

Table 2 : Rock-Eval table for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4245.00	cut	Sh/Clst: brn blk to m gy	0.70	1.53	0.48	3.19	0.43	356	112	2.2	0.31	441	262-1
4280.00	cut	Sh/Clst: red blk to drk red brn	0.54	0.52	0.42	1.24	0.36	144	117	1.1	0.51	343	265-1
4300.00	cut	Sh/Clst: red blk to drk red brn	0.14	0.23	0.35	0.66	0.22	105	159	0.4	0.38	352	267-1
4335.00	cut	Sh/Clst: red blk to drk red brn	0.19	0.32	0.31	1.03	0.29	110	107	0.5	0.37	352	271-1
4360.00	cut	Sh/Clst: red blk to drk red brn	0.02	0.05	0.23	0.22	0.16	31	144	0.1	0.29	350	277-1

Table 3 a: Weight of EOM and Chromatographic Fraction for well NOCS 25/2-4

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
3650.00	com *	Composite sample - see table 3 e *	0.3	1.7	0.8	1.0	1.5	-1.5	1.8	-	3.40	278-0
3875.00	com *	Composite sample - see table 3 e *	1.1	1.6	1.4	1.2	1.9	-2.8	2.6	-0.9	1.00	279-0
4020.00	com *	Composite sample - see table 3 e *	7.8	29.5	8.0	6.6	2.0	12.9	14.6	14.9	2.10	280-0
4105.00	com *	Composite sample - see table 3 e *	14.1	23.5	7.7	5.8	1.8	8.2	13.5	10.0	2.20	281-0
4200.00	com *	Composite sample - see table 3 e *	11.9	20.5	5.4	3.4	2.5	9.2	8.8	11.7	1.70	282-0
4245.00	com *	Composite sample - see table 3 e *	22.5	50.3	12.0	7.8	4.6	25.9	19.8	30.5	1.60	283-0

Table 3 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3650.00	com	* Composite sample - see table 3 e *	5666	2666	3333	5000	-5333	6000	-333	278-0
3875.00	com	* Composite sample - see table 3 e *	1454	1272	1090	1727	-2636	2363	-909	279-0
4020.00	com	* Composite sample - see table 3 e *	3782	1025	846	256	1653	1871	1910	280-0
4105.00	com	* Composite sample - see table 3 e *	1666	546	411	127	581	957	709	281-0
4200.00	com	* Composite sample - see table 3 e *	1722	453	285	210	773	739	983	282-0
4245.00	com	* Composite sample - see table 3 e *	2235	533	346	204	1151	880	1355	283-0

Table 3 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3650.00	com	* Composite sample - see table 3 e *	166.67	78.43	98.04	147.06	-156.85	176.47	-9.79	278-0
3875.00	com	* Composite sample - see table 3 e *	145.45	127.27	109.09	172.73	-263.63	236.36	-90.90	279-0
4020.00	com	* Composite sample - see table 3 e *	180.10	48.84	40.29	12.21	78.75	89.13	90.96	280-0
4105.00	com	* Composite sample - see table 3 e *	75.76	24.82	18.70	5.80	26.43	43.52	32.24	281-0
4200.00	com	* Composite sample - see table 3 e *	101.33	26.69	16.81	12.36	45.48	43.50	57.83	282-0
4245.00	com	* Composite sample - see table 3 e *	139.72	33.33	21.67	12.78	71.94	55.00	84.72	283-0

Table 3 d: Composition of material extracted from the rock (%) for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	EOM	Aro	
3650.00	com	* Composite sample - see table 3 e *	47.06	58.82	88.24	94.11	105.88	5.87	80.00	-	278-0
3875.00	com	* Composite sample - see table 3 e *	87.50	75.00	118.75	181.24	162.50	62.49	116.67	-	279-0
4020.00	com	* Composite sample - see table 3 e *	27.12	22.37	6.78	43.73	49.49	50.51	121.21	97.99	280-0
4105.00	com	* Composite sample - see table 3 e *	32.77	24.68	7.66	34.89	57.45	42.55	132.76	135.00	281-0
4200.00	com	* Composite sample - see table 3 e *	26.34	16.59	12.20	44.88	42.93	57.07	158.82	75.21	282-0
4245.00	com	* Composite sample - see table 3 e *	23.86	15.51	9.15	51.49	39.36	60.64	153.85	64.92	283-0

Table 3 e: List of composite samples appearing in the extraction tables for well NOCS 25/2-4

Depth unit of measure: m

NOTE: Depths shown in tables 3 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>		<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
3640.00	3650.00	com	278-0	is composed of:	3640.00	cut	Sh/Clst: brn blk, Coal-ad	184-1
					3645.00	cut	Sh/Clst: brn blk, Coal-ad	185-2
					3650.00	cut	Sh/Clst: brn blk, Coal-ad	186-4
3720.00	3875.00	com	279-0	is composed of:	3720.00	cut	Sh/Clst: m gy, calc	190-2
					3760.00	cut	Sh/Clst: m gy, slt	198-2
					3800.00	cut	Sh/Clst: lt gy, m gy, slt	204-3
					3875.00	cut	Sh/Clst: lt gy, m gy, drk gy, slt	208-2
3920.00	4020.00	com	280-0	is composed of:	3920.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	212-2
					3930.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	213-2
					3940.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	214-1
					3950.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	215-1
					3965.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	217-1
					3975.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	218-1
					3985.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	219-1
					3990.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	220-1
					4000.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	222-1
					4015.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	224-1
					4020.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	225-1
4030.00	4105.00	com	281-0	is composed of:	4030.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	226-1
					4035.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	227-1
					4040.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	228-1
					4045.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	229-1
					4050.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	230-1
					4060.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	232-1
					4065.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	233-1

Table 3 e: List of composite samples appearing in the extraction tables for well NOCS 25/2-4

Depth unit of measure: m

NOTE: Depths shown in tables 3 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>		<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
					4075.00	cut	Sh/Clst: gy blk, m gy, drk gy, slt	235-1
					4085.00	cut	Sh/Clst: brn blk	237-1
					4090.00	cut	Sh/Clst: brn blk	238-1
					4095.00	cut	Sh/Clst: brn blk	239-1
					4105.00	cut	Sh/Clst: brn blk	240-1
4185.00	4200.00	com	282-0	is composed of:	4185.00	cut	Sh/Clst: brn blk to m gy, slt	251-1
					4190.00	cut	Sh/Clst: brn blk to m gy, slt	252-1
					4195.00	cut	Sh/Clst: brn blk to m gy, slt	253-1
					4200.00	cut	Sh/Clst: brn blk to m gy, slt	254-1
4210.00	4245.00	com	283-0	is composed of:	4210.00	cut	Sh/Clst: brn blk to m gy, slt	256-1
					4215.00	cut	Sh/Clst: brn blk to m gy, slt	257-1
					4220.00	cut	Sh/Clst: brn blk to m gy, slt	258-1
					4225.00	cut	Sh/Clst: brn blk to m gy, slt	259-1
					4230.00	cut	Sh/Clst: brn blk to m gy, slt	260-1
					4245.00	cut	Sh/Clst: brn blk to m gy, slt	262-1

Table 4 : Tabulation of data from the Gas Chromatogram for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
3650.00	com	bulk	0.50	1.60	0.40	-	0.90	278-0
3875.00	com	bulk	0.40	1.70	0.30	-	1.10	279-0
4020.00	com	bulk	0.40	2.30	0.30	-	1.00	280-0
4105.00	com	bulk	0.40	2.20	0.30	-	1.00	281-0
4200.00	com	bulk	0.40	2.30	0.30	-	1.20	282-0
4245.00	com	bulk	0.40	2.10	0.30	-	1.00	283-0

Table 5 : Aromatic Hydrocarbon Ratios for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
3650.00	com	bulk	-	-	-	0.96	0.74	0.84	0.11	4.96	1.54	278-0
3875.00	com	bulk	-	-	-	1.00	0.83	0.91	0.25	5.38	2.17	279-0
4020.00	com	bulk	1.40	2.20	0.31	0.93	0.65	0.73	0.18	10.25	2.50	280-0
4105.00	com	bulk	1.45	2.50	0.34	0.92	0.65	0.73	0.14	13.43	3.14	281-0
4200.00	com	bulk	1.26	2.20	0.31	0.91	0.65	0.75	0.12	14.71	3.71	282-0
4245.00	com	bulk	1.52	2.20	0.35	0.95	0.67	0.78	0.14	8.20	2.73	283-0

List of aromatic maturity ratios

MNR	=	$\frac{2\text{-methyl naphthalene}}{1\text{-methyl naphthalene}}$
DMNR	=	$\frac{2,6 + 2,7\text{-dimethyl naphthalene}}{1,5\text{-dimethyl naphthalene}}$
BPHR	=	$\frac{\text{biphenyl}}{1,6 \text{ dimethyl naphthalene}}$
2/1MP	=	$\frac{2\text{-methyl phenanthrene}}{1\text{-methyl phenanthrene}}$
MPI1	=	$\frac{1.5 * (3 + 2\text{-methyl phenanthrene})}{\text{phenanthrene} + 9 + 1\text{-methyl phenanthrene}}$
MPI2	=	$\frac{3.0 * 2\text{-methyl phenanthrene}}{\text{phenanthrene} + 9 + 1\text{-methyl phenanthrene}}$
DBT/P	=	$\frac{\text{dibenzothiophene}}{\text{phenanthrene}}$
4/1MDBT	=	$\frac{4\text{-methyl dibenzothiophene}}{1\text{-methyl dibenzothiophene}}$
(3+2)/1MDBT	=	$\frac{3 + 2\text{-methyl dibenzothiophene}}{1\text{-methyl dibenzothiophene}}$

Table 6 : Thermal Maturity Data for well NOCS 25/2-4 .

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2120.00	cut bulk	0.47	17	0.06	3	-	-	056-0
2260.00	cut bulk	0.44	5	0.08	4-5	-	-	063-0
2480.00	cut bulk	0.60	20	0.08	5-6	-	-	081-0
2620.00	cut bulk	0.61	19	0.09	0	-	-	090-0
3245.00	cut bulk	0.69	8	0.08	6	-	-	141-0
3640.00	cut bulk	0.68	22	0.06	0	-	-	184-0
3645.00	cut Sh/Clst: lt gy, m gy	-	-	-	-	NDP	351	185-1
3645.00	cut Sh/Clst: brn blk	-	-	-	-	NDP	441	185-2
3650.00	cut Sh/Clst: brn blk	-	-	-	-	6.5	439	186-4
3720.00	cut Sh/Clst: m gy	-	-	-	-	NDP	400	190-2
3745.00	cut bulk	0.68	3	0.06	6-7	-	-	195-0
3760.00	cut Sh/Clst: m gy	-	-	-	-	5.5?	435	198-2
3800.00	cut Sh/Clst: lt gy, m gy	-	-	-	-	-	440	204-3
3865.00	cut bulk	1.00	51	0.09	0	-	-	207-0

Table 6 : Thermal Maturity Data for well NOCS 25/2-4.

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3875.00	cut	Sh/Clst: lt gy, m gy, drk gy	-	-	-	-	5.5-6	439	208-2
3920.00	cut	bulk	0.94	18	0.10	0	-	-	212-0
3920.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	5?	440	212-2
3930.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	6-6.5	442	213-2
3940.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	NDP	441	214-1
3950.00	cut	bulk	0.87	12	0.05	0	-	-	215-0
3950.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	NDP	441	215-1
3965.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	6.5-7	443	217-1
3975.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	NDP	435	218-1
3975.00	cut	Sh/Clst: lt gy, m gy	-	-	-	-	NDP	361	218-2
3985.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7-7.5	442	219-1
3990.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7.5?	442	220-1
3995.00	cut	bulk	0.92	17	0.11	0	-	-	221-0
4000.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7.5	442	222-1

Table 6 : Thermal Maturity Data for well NOCS 25/2-4.

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
4015.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7.5	443	224-1
4020.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7.5?	444	225-1
4030.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7.5-8	442	226-1
4035.00	cut	bulk	0.87	13	0.10	0	-	-	227-0
4035.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7	444	227-1
4040.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7.5	443	228-1
4045.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7.5	443	229-1
4050.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	NDP	443	230-1
4055.00	cut	bulk	1.04	17	0.12	0	-	-	231-0
4060.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	NDP	446	232-1
4065.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7	441	233-1
4075.00	cut	Sh/Clst: gy blk, m gy, drk gy	-	-	-	-	7	442	235-1
4080.00	cut	bulk	0.89	16	0.09	0	-	-	236-0
4085.00	cut	Sh/Clst: brn blk	-	-	-	-	7.5	441	237-1

Table 6 : Thermal Maturity Data for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
4090.00	cut Sh/Clst: brn blk	-	-	-	-	7.5	439	238-1
4095.00	cut Sh/Clst: brn blk	-	-	-	-	7.5	442	239-1
4105.00	cut Sh/Clst: brn blk	-	-	-	-	7.5	442	240-1
4130.00	cut bulk	1.06	19	0.13	0	-	-	242-0
4150.00	cut bulk	1.04	19	0.09	0	-	-	246-0
4155.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	7	440	247-2
4175.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	7.5	441	249-1
4180.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	7.5-8	444	250-1
4185.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	NDP	444	251-1
4190.00	cut bulk	1.16	12	0.15	0	-	-	252-0
4190.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	NDP	442	252-1
4195.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	7.5-8	444	253-1
4200.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	7?	444	254-1
4210.00	cut Sh/Clst: brn blk to m gy	-	-	-	-	7.5	443	256-1

Table 6 : Thermal Maturity Data for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
4215.00	cut	Sh/Clst: brn blk to m gy	-	-	-	-	NDP	447	257-1
4220.00	cut	bulk	1.17	6	0.15	0	-	-	258-0
4220.00	cut	Sh/Clst: brn blk to m gy	-	-	-	-	7	440	258-1
4225.00	cut	Sh/Clst: brn blk to m gy	-	-	-	-	8	444	259-1
4230.00	cut	Sh/Clst: brn blk to m gy	-	-	-	-	7.5	442	260-1
4245.00	cut	bulk	1.21	8	0.09	0	-	-	262-0
4245.00	cut	Sh/Clst: brn blk to m gy	-	-	-	-	NDP	441	262-1

Table 7 : Visual Kerogen Composition Data for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	R	A	D	I	I	S	M	S	V	C	V	A	Sample
			P	m	i	p	u	e	A	n	N	F	e	n	i	c	I	T	e	
			T	r	D	P	i	s	g	o	R	D	r	e	t	R	l	l	D	
			%	L	t	l	l	n	e	l	%	n	s	t	n	I	%	n	t	V
3645.00	cut	Sh/Clst: lt gy, m gy	5		TR						20		*		75		*	*		185-1
3645.00	cut	Sh/Clst: brn blk	15	*	*						10	?	*		75		*	*		185-2
3650.00	cut	Sh/Clst: brn blk	15	*	*	?					10	*	*		75		*	*		186-4
3720.00	cut	Sh/Clst: m gy	TR								50		*		50		*	?		190-2
3760.00	cut	Sh/Clst: m gy	5		*	?					25		*		70		*	*		198-2
3800.00	cut	Sh/Clst: lt gy, m gy	5	?	*	?					20	*	*		75	*	*	*		204-3
3875.00	cut	Sh/Clst: lt gy, m gy, drk gy	10	*	*	?					20	*	*		70	*	*	*		208-2
3920.00	cut	Sh/Clst: gy blk, m gy, drk gy	5	?	*	*		*			20	*	*		75		*	*		212-2
3930.00	cut	Sh/Clst: gy blk, m gy, drk gy	5	?	*	?					15	*	*		80		*	*		213-2
3940.00	cut	Sh/Clst: gy blk, m gy, drk gy	10	*	*						20	*	*		70		*	*		214-1
3950.00	cut	Sh/Clst: gy blk, m gy, drk gy	5	*	*						15		*		80		*	*		215-1
3965.00	cut	Sh/Clst: gy blk, m gy, drk gy	10	*	*	*					20	*	*	*	70		*	*		217-1
3975.00	cut	Sh/Clst: gy blk, m gy, drk gy	10		*	*					10		*	*	80		*	*		218-1

Table 7 : Visual Kerogen Composition Data for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	L I P T %	A m D e l t	L i p o e l	S p / D e o l	C u t p i c l l	R e s i n e	A l g a l	D i o r i t l	A B i t L	I N E R T %	F u s n	S e m F u s t	I n D r e t n	M c r e i n o	S c l e t I	V I T R I %	T e l l i n	C o l l i n	V i t t V	A m D r t V	B i t V	Sample	
3975.00	cut	Sh/Clst: lt gy, m gy	5	*								10	*	*				85	*	*					218-2
3985.00	cut	Sh/Clst: gy blk, m gy, drk gy	10	*	*	*						10	*	*				80	*	*					219-1
3990.00	cut	Sh/Clst: gy blk, m gy, drk gy	5	?	*	*						5	*	*				90	*						220-1
4000.00	cut	Sh/Clst: gy blk, m gy, drk gy	TR		*	?						10	*	*				90	*	*					222-1
4015.00	cut	Sh/Clst: gy blk, m gy, drk gy	5		*	?						15	*	*				80	*	*					224-1
4020.00	cut	Sh/Clst: gy blk, m gy, drk gy	5	*	*	*				*		10		*				85	*	*					225-1
4030.00	cut	Sh/Clst: gy blk, m gy, drk gy	5		?	*						30	*	*				65	*	*					226-1
4035.00	cut	Sh/Clst: gy blk, m gy, drk gy	TR		*	*						10		*				90	*	*					227-1
4040.00	cut	Sh/Clst: gy blk, m gy, drk gy	10	*	*	?						15		*				75	*	*					228-1
4045.00	cut	Sh/Clst: gy blk, m gy, drk gy	30		*	?						20	*	*				50	*	*					229-1
4050.00	cut	Sh/Clst: gy blk, m gy, drk gy	15	*	*							15		*				70	*	*					230-1
4060.00	cut	Sh/Clst: gy blk, m gy, drk gy	5		*							30	*	*				65	*	*					232-1
4065.00	cut	Sh/Clst: gy blk, m gy, drk gy	15		?	*				?		20	*	*				65	*	?					233-1

Table 7 : Visual Kerogen Composition Data for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	LIP %	A m L t	L i p p o r e l	S / D P o l	C u t P i c l	R e s i n e	A l g a l	D i n o f l	A c r i t L	I N E R T %	F u s i n	S e m F u s t	I n t D r e i n	M i c r o I	S c l e r o I	V I T R %	T e l l i n	C o l l i n	V i t D r e t V	A m B i t V	Sample
4075.00	cut	Sh/Clst: gy blk, m gy, drk gy	10		*	*						20		*	*			70		*	*		235-1
4085.00	cut	Sh/Clst: brn blk	15	?	*	*						25		*	*			60	*	*	?		237-1
4090.00	cut	Sh/Clst: brn blk	30	?	*	*			*			20	*	*	*			50	*	*	*		238-1
4095.00	cut	Sh/Clst: brn blk	25	?	*	*						10		*	*			65	*	*	*		239-1
4105.00	cut	Sh/Clst: brn blk	10		?	*						10		*	*			80		*	*		240-1
4155.00	cut	Sh/Clst: brn blk to m gy	10		*	*			*			10		*	*			80		*	*		247-2
4175.00	cut	Sh/Clst: brn blk to m gy	10		*	*						30		*	*			60	?	*	*		249-1
4180.00	cut	Sh/Clst: brn blk to m gy	5		*	*						30		*	*			65	*	*	*		250-1
4185.00	cut	Sh/Clst: brn blk to m gy	10		*							25		*	*			65		*	*		251-1
4190.00	cut	Sh/Clst: brn blk to m gy	5		*							25		*	*			70	*	*	*		252-1
4195.00	cut	Sh/Clst: brn blk to m gy	15	*	*	*			*			30		*	*			55	*	*			253-1
4200.00	cut	Sh/Clst: brn blk to m gy	10		*	*						30		*	*			60		*	*		254-1
4210.00	cut	Sh/Clst: brn blk to m gy	15		*	*						10		*	*			75	*	*	*		256-1

Table 7 : Visual Kerogen Composition Data for well NOCS 25/2-4

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D			I	S	I	M	S	V	C	V	A	Sample		
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I		%	n
4215.00	cut	Sh/Clst: brn blk to m gy	TR	*							10		*		90		*	*		257-1		
4220.00	cut	Sh/Clst: brn blk to m gy	5			*					30		*	*	65	*	*	*		258-1		
4225.00	cut	Sh/Clst: brn blk to m gy	20	*	*	*					30	*	*	*	50	*	*	*		259-1		
4230.00	cut	Sh/Clst: brn blk to m gy	10			*	*				30	*	*	*	60		*	*		260-1		
4245.00	cut	Sh/Clst: brn blk to m gy	10			?	*				20		*	?	70		*	*		262-1		

Table WELL 25/2-4

PYROLYSIS GC ON PRE-EXTRACTED ROCK. VALUES FROM S2 PEAK.

DEPTH (m)	% C1-C5 of total	% C6+ of total
=====		
3650	46	54
3875	55	45
4020	46	54
4105	41	59
4200	47	53
4245	50	50

Table WELL 25/2-4
 PYROLYSIS GC ON NON-EXTRACTED ROCK. VALUES FROM S2 PEAK.

DEPTH	% C1-C5 of total	% C6+ of total
=====		
3640	34	66
3645 Sh lt	39	61
3645 Sh drk	36	64
3650	32	68
3720	35	65
3760	55	45
3800	51	49
3875	45	55
3920	44	56
3930	45	55
3940	41	59
3950	37	63
3965	36	64
3975 Sh m drk	17	83
3975 Sh lt	32	68
3985	8	92
3990	33	67
4000	33	67
4015	37	63
4020	33	67
4030	24	76
4035	29	71

Table WELL 25/2-4
 PYROLYSIS GC ON NON-EXTRACTED ROCK. VALUES FROM S2 PEAK.

DEPTH	% C1-C5 of total	% C6+ of total
=====		
4040	36	64
4050	38	62
4060	41	59
4065	37	63
4075	42	58
4085	42	58
4090	43	57
4095	33	67
4105	36	64
4155	40	60
4175	42	58
4180	43	57
4185	46	54
4190	36	64
4195	37	63
4200	44	56
4210	37	63
4215	47	53
4220	44	56
4225	55	45
4230	44	56
4245	45	55