

DST RESULTS

WELL: 34/8-1

DST NO. 1

Perforated interval: 2880.0-2900mMD(2867.8- 2879.7mTVD)

Flow no. 1:

Choke size, mm (inch):	11.11 (28/64)
Water flow rate, Sm ³ /D (B/D):	767.9 (4830)
Condensate flow rate, Sm ³ /D,(B/D):	
Oil flow rate, Sm ³ /D (B/D):	
Gas flow rate, Sm ³ /D (SCF/D):	2400 (85000)
Water oil ratio, Sm ³ /Sm ³ :	
Gas oil ratio, Sm ³ /Sm ³ (SCF/B):	3.1 (17.6)
Oil density, g/cc (°API):	
Gas density, air=1:	0.620
Water density, g/cc:	1.018
WHP, bar (PSIA):	71.7 (1040)
Flowing BH pressure, bar (psia):	422.086 (6121.84)
WHT, °C (°F):	20.5 (69)
BHT, °C(°F):	106.0 (223)
CO ₂ , %:	4.5-6
H ₂ S, PPM:	0
BS & W, %:	100
Separator P, bar (psia):	9.3 (135)
Separator T, °C (°F):	13 (56)
Flowing time, hours:	7.09
Build up time, hours:	11.15

Note: Oil information refers to water for this water zone test.
 Bottom hole pressure measured at 2870.2 mRKB-MD.



DST RESULTS		WELL: 34/8-1
DST NO. 2		
Perforated interval: 2854.1-2857.1 mMD (2834.4-2837.4 mTVD)		
	Flow no. 1:	Flow no. 2:
Choke size, mm (inch):	6.35 (16/64)	4.76 (12/64)
Water flow rate, Sm ³ /D (B/D):		
Condensate flow rate, Sm ³ /D, (B/D):		
Oil flow rate, Sm ³ /D(B/D):	238.5 (1500)	41.3 (260)
Gas flow rate, Sm ³ /D (SCF/D):	84950 (3.0x10 ⁶)	22060 (7.8x10 ⁵)
Water oil ratio, Sm ³ /Sm ³ :		
Gas oil ratio, Sm ³ /Sm ³ (SCF/B):	356.2 (2000)	534.3 (3000)
Oil density, g/cc (°API):	0.843 (36.2)	0.843 (36.2)
Gas density, air=1:	0.674	0.680
Water density, g/cc:		
WHP, bar (PSIA):	268.2 (3890)	269.6 (3910)
Flowing BH pressure, bar (psia):	418.0	418.9 (6075)
WHT, °C (°F):	7 (44.6)	7 (44.6)
BHT, °C(°F):	103 (217.4)	102 (215.6)
CO ₂ , %:	1	1
H ₂ S, PPM:	0	0
BS & W, %:	0	0
Separator P, bar (psia):	28.9 (420)	20.0 (290)
Separator T, °C (°F):	51 (124)	54 (129)
Flowing time, hours:	6.57	2.95
Build up time, hours:	-	-
<p>Note: Gas was coning down from the gas cap on all choke sizes. Bottom hole pressures measured at 2831.7 mRKB-MD.</p>		



DST RESULTS		WELL: 34/8-1
DST NO. 2		
Perforated interval: 2854.1-2857.1 mMD (2834.4-2837.4 mTVD)		
	Flow no. 3:	Flow no. 4:
Choke size, mm (inch):	7.94 (20/64)	9.53 (24/64)
Water flow rate, Sm ³ /D (B/D):		
Condensate flow rate, Sm ³ /D,(B/D):		
Oil flow rate, Sm ³ /D (B/D):	299.7 (1885)	429 (2700)
Gas flow rate, Sm ³ /D (SCF/D):	1.47x10 ⁵ (5.2x10 ⁶)	2.48x10 ⁵ (8.8x10 ⁶)
Water oil ratio, Sm ³ /Sm ³ :		
Gas oil ratio, Sm ³ /Sm ³ (SCF/B):	489.8 (2750)	578.8 (3250)
Oil density, g/cc (°API):	0.835 (37.8)	0.834 (38.0)
Gas density, air=1:	0.665	0.660
Water density, g/cc:		
WHP, bar (PSIA):	277.9 (4030)	279.0 (4046)
Flowing BH pressure, bar (psia):	417.8 (6060)	416.9 (6047)
WHT, °C (°F):	10 (50)	14 (57.2)
BHT, °C(°F):	104 (219.2)	105 (221.0)
CO ₂ , %:	1	1
H ₂ S, PPM:	0	0
BS & W, %:	0	0
Separator P, bar (psia):	37.9 (550)	38.6 (560)
Separator T, °C (°F):	49 (120)	47 (117)
Flowing time, hours:	4.60	3.86
Build up time, hours:	-	8.74
<p>Note: Gas was coning down from the gas cap on all choke sizes. Bottom hole pressures measured at <u>2831.7</u> mRKB-MD.</p>		



DST RESULTS		WELL: 34/8-1
DST NO. 3		
Perforated interval: 2767.9-2806.9 mMD(2749.8-2788.2 mTVD)		
	Flow no. 1	Flow no. 2:
Choke size, mm (inch):	12.70 (32/64)	19.05 (48/64)
Water flow rate, Sm ³ /D (B/D):		
Condensate flow rate, Sm ³ /D, (B/D):	143.1 (900)	447.5 (2815)
Oil flow rate, Sm ³ /D(B/D):		
Gas flow rate, Sm ³ /D (SCF/D):	3.40x10 ⁵ (12.0x10 ⁶)	9.55x10 ⁵ (33.7x10 ⁶)
Water oil ratio, Sm ³ /Sm ³ :		
Gas oil ratio, Sm ³ /Sm ³ (SCF/B):	2380 (1.3x10 ⁴)	2130 (1.2c10 ⁴)
Oil density, g/cc (°API):	0.745 (58.3)	0.726 (63.2)
Gas density, air=1:	0.670	0.669
Water density, g/cc:		
WHP, bar (PSIA):	270.0 (3916)	247.5 (3590)
Flowing BH pressure, bar (psia):	417.13 (6050)	414.72 (6015)
WHT, °C (°F):	9.5 (49.1)	21.5 (70.7)
BHT, °C(°F):	99.8 (211.6)	102.6 (216.7)
CO ₂ , %:	1	1
H ₂ S, PPM:	0	0
BS & W, %:	0	0
Separator P, bar(psia):	34.5 (500)	44.1 (640)
Separator T, °C (°F):	46 (115)	40 (104)
Flowing time, hours:	8.00	10.80
Build up time, hours:	13.10	10.02
<p>Note: Oil information refers to condensate for this gas zone test. Bottom hole pressures measured at 2744.7 mRKB-MD.</p>		



RFT RESULTS - PRESSURES						WELL: 34/8-1
RUN NO/ TEST NO.	DEPTH mRKB-MD	DEPTH mRKB-TVD	IHP PSIA	FP PSIA	FHP PSIA	REMARKS
4A/1	2768	2749.9	6603.4	6075.4	6603.7	Very good perm.
4A/2	2770.5	2752.4	6610.3	6077.3	6610.3	Very good perm.
4A/3	2774.5	2756.3	6618.9	6078.6	6619.2	Very good perm.
4A/4	2776.5	2758.3	6624.1	6079.6	6624.3	Very good perm.
4A/5	2778.5	2760.3	6629.2	6080.5	6629.6	Very good perm.
4A/6	2782	2763.7	6638.3	6082.2	6637.7	Very good perm.
4A/7	2787	2768.6	6649.5	6084.4	6649.4	Very good perm.
4A/8	2790.5	2772.1	6658.3	6085.6	6658.0	Very good perm.
4A/9	2794	2775.5	6666.4	6087.7	6667.3	Very good perm.
4A/10	2796.5	2778	6673.1	6088.9	6673.2	Very good perm.
4A/11	2802	2783.4	6684.8	6091.3	6685.1	Very good perm.
4A/12	2806.5	2787.8	6695	6092.8	6696.1	Very good perm.
4A/13	2809.5	2790.8	6702.6	6094.8	6703.5	Good perm.
4A/14	2813.5	2794.7	6711.8	6096.4	6712.6	Very good perm.
4A/15	2817.5	2798.6	6720.4	6098	6720.5	Very good perm.



RFT RESULTS - PRESSURES						WELL: 34/8-1
RUN NO/ TEST NO.	DEPTH mRKB-MD	DEPTH mRKB-TVD	IHP PSIA	FP PSIA	FHP PSIA	REMARKS
4B/1	2768	2749.9	6614.8	6075.9	6514.5	Very good perm.
4B/2	2778.5	2760.3	6537.7	6080.9	6537.6	Very good perm.
4B/3	2794	2775.5	6571.6	6087.7	6571.8	Very good perm.
4B/4	2830.5	2811.5	6655.8	6103.6	6656.1	Good perm.
4B/5	2841.5	2822.4	6680	6113	6680.7	Supercharged.
4B/6	2846.6	2827.1	6691.8	6111.5	6692.7	Very good perm.
4B/7	2849	2829.4	6698.4	6112.7	6698	Very good perm.
4B/8	2852	2832.4	6704.6	6113.7	6704.6	Very good perm.
4B/9	2855	2835.3	6711.4	6116	6711	Very good perm.
4B/10	2858	2838.2	6718.4	6118.7	6718	Very good perm.
4B/11	2863.7	2843.8	2726.2	6123.3	6727.3	Very good perm.
4B/12	2867.5	2847.5	6736.7	6129.2	6736.1	Very good perm.
4B/13	2871	2851	6743.8	6134.1	6742.7	Very good perm.
4B/14	2876	2855.9	6754	6141.2	6753.9	Very good perm.
4B/15	2881	2860.9	6764.8	6147.7	6765	Very good perm.
4B/16	2888.5	2868.3	6781.6	6158.4	6781.6	Very good perm.
4B/17	2893.5	2873.3	6792.7	6165.2	6792.5	Very good perm.



RFT RESULTS - PRESSURES

WELL: 34/8-1

RUN NO/ TEST NO.	DEPTH mRKB-MD	DEPTH mRKB-TVD	IHP PSIA	FP PSIA	FHP PSIA	REMARKS
4C/1	2843	2823.6	6686.2	6108.6	6686.5	Very good perm.
4C/2	2846.6	2827.1	6695.4	6111.1	6695.3	Very good perm.
4C/3	2849	2829.4	6701	6112.1	6701	Very good perm.
4C/4	2853	2833.3	6711	6114.3	6710.9	Very good perm.
4C/5	2854	2834.3	6712.5	6114.3	6712.4	Very good perm.
4C/6	2856.5	2836.7	6712.8	6116.7	6717.8	Very good perm.
4C/7	2859	2839.2	6723.7	6119	6727.1	Very good perm.
4C/8	2860	2840.1	6726.5	6120.8	6727.1	Very good perm.
4C/9	2861.5	2841.6	6728.6	6120.8	6729.2	Very good perm.
4C/10	2863	2843.1	6733	6122.3	6734.6	Very good perm.
4C/11	2865.5	2845.5	6125.3	6740.3	6740.5	Very good perm.



RFT RESULTS - PRESSURES						WELL: 34/8-1
RUN NO/ TEST NO.	DEPTH mRKB-MD	DEPTH mRKB-TVD	IHP PSIA	FP PSIA	FHP PSIA	REMARKS
5E/1	2865.5	2845.5	6745	6105	6645	Very good perm.
5E/2	2876	2855.9	6772	6124	6773	Very good perm.
5E/3	2893.5	2873.3	6811	6148	6810	Very good perm.
5E/4	2907	2886.6	6840	6166	6840	Very good perm.
5E/5	2922.7	2901.8	6879	6192	6879	Very good perm.
5E/6	2928.5	2907.6	6880	6187	6879	Very good perm.
5E/7	2937.5	2916.5	6902	6203	6903	Very good perm.
5E/8	3051.6	3029	7172	-	7170	Tight formation
5E/9	3151	3127.3	7397	6592	7397	Very good perm.
5E/10	3297	3270.9	7728	6946	7719	Fair perm.
5E/11	3329.5	3302.6	7800	6978	7798	Very good perm.
5E/12	3340.5	3313.4	7823	7008	7824	Fair perm.
5E/13	3347.5	3320.2	7838	7017	7838	Very good perm.
5E/14	3356	3328.5	7857	7030	7858	Very good perm.
5E/15	3370	3342.2	7897	7061	-	Very good perm.
5E/16	3389.5	3361.3	7956	7085	7940	Good perm.
5E/17	3396.5	3368.2	7957	7088	7956	Fair perm.
5E/18	3407.4	3378.8	7985	7104	7979	Tight
5E/19	3438.5	3409.3	8069	-	8070	Tight
5E/20	3507	3476.4	8235	-	8225	Tight
5E/21	3512.6	3481.8	8229	7275	8215	Poor perm.
5E/22	3573.8	3541.8	8355	8212	8331	Poor perm.
5E/23	3600	3567.5	8423	7465	8411	Poor perm.



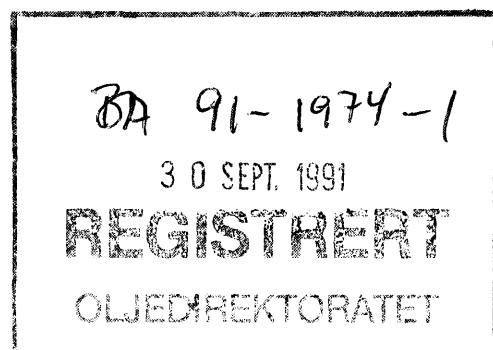
RFT RESULTS - SAMPLES	WELL: 34/8-1																
SAMPLES ARE TAKEN IN THE BRENT GROUP.																	
<p style="text-align: center;">SEGREGATED SAMPLE NO. 1 AT 2858 mRKB (RUN NO. 4B)</p> <table><tr><td>Chamber vol., gal.:</td><td>2 3/4</td></tr><tr><td>Filling time, min.:</td><td>8.8</td></tr><tr><td>P chamber, PSIG</td><td>3999</td></tr><tr><td>Gas vol., SCF</td><td>40.8</td></tr><tr><td>Oil/cond. vol., liter:</td><td>6</td></tr><tr><td>Oil/cond. gravity, g/cc:</td><td>0.86</td></tr><tr><td>Water/Filt., liter:</td><td>-</td></tr><tr><td>Remarks:</td><td>Sealed and shipped ashore for transfer and analysis (Core Lab.)</td></tr></table>		Chamber vol., gal.:	2 3/4	Filling time, min.:	8.8	P chamber, PSIG	3999	Gas vol., SCF	40.8	Oil/cond. vol., liter:	6	Oil/cond. gravity, g/cc:	0.86	Water/Filt., liter:	-	Remarks:	Sealed and shipped ashore for transfer and analysis (Core Lab.)
Chamber vol., gal.:	2 3/4																
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Oil/cond. vol., liter:	6																
Oil/cond. gravity, g/cc:	0.86																
Water/Filt., liter:	-																
Remarks:	Sealed and shipped ashore for transfer and analysis (Core Lab.)																
<p style="text-align: center;">SEGREGATED SAMPLE NO. 2 AT 2852.5 mRKB (RUN NO. 4C)</p> <table><tr><td>Chamber vol., gal:</td><td>2 3/4</td></tr><tr><td>Filling time, min.:</td><td>5</td></tr><tr><td>P chamber, PSIG:</td><td>3400</td></tr><tr><td>Gas vol., SCF:</td><td>53.4</td></tr><tr><td>Oil/cond. vol., liter:</td><td>-</td></tr><tr><td>Oil/cond. gravity, g/cc:</td><td>0.72</td></tr><tr><td>Water/Filt., liter:</td><td>-</td></tr><tr><td>Remarks:</td><td>Sealed and shipped ashore for transfer and analysis (Core Lab.)</td></tr></table>		Chamber vol., gal:	2 3/4	Filling time, min.:	5	P chamber, PSIG:	3400	Gas vol., SCF:	53.4	Oil/cond. vol., liter:	-	Oil/cond. gravity, g/cc:	0.72	Water/Filt., liter:	-	Remarks:	Sealed and shipped ashore for transfer and analysis (Core Lab.)
Chamber vol., gal:	2 3/4																
Filling time, min.:	5																
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Water/Filt., liter:	-																
Remarks:	Sealed and shipped ashore for transfer and analysis (Core Lab.)																
Note! 2 3/4" gas chamber drained at rig floor.																	

GEOCHEMICAL ANALYSES REPORT
WELL NOCS 34/8-1

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The stratigraphy used in this report is based on published data from the Norwegian Petroleum Directorate and may differ from that submitted in the biostratigraphic section of this study.

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ABBREVIATIONS

ENCLOSURES

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2. Extraction Data
3. Saturated Hydrocarbon Ratios
4. Thermal Maturity Data
5. Summary Log
6. Geochemical Summary Log

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MASS SPECTROMETRY**

INTRODUCTION

Well NOCS 34/8-1 is situated in the Norwegian sector of the North Sea, north-east of the Gullfaks field. The total drilled depth is 3610 m. The well is located at 61°21'53.50"N and 02°25'57.57"E in a water depth of 324 m. Elevation of Kelly Bushing (KB) was 23 m. All depths are relative to KB unless otherwise specified. Samples were collected between 450 m and 3610 m from the Norwegian Petroleum Directorate in Stavanger. A total of 290 samples was collected, washed (only the cuttings samples) and described. The analysed section of the well is from 450 m to 3595 m

A careful selection of suitable samples was made for screening analysis (i.e. TOC and Rock-Eval analysis). Fifty-two samples were selected for this analysis, and from the data obtained samples were chosen for follow-up analyses. These were:

Thermal extraction - pyrolysis - gas chromatography	16 samples
Extraction, MPLC fractionation, saturated and aromatic hydrocarbon gas chromatography	8 samples
Vitrinite reflectance microscopy	17 samples
Visual kerogen analysis	3 samples
Isotope analysis of C ₁₅ ⁺ fractions	5 samples
Gas chromatography - mass spectrometry	5 samples

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
450.00						0281
				80 Sh/Clst: lt gy, calc		0281-1L
				15 S/Sst : lt gy to m gy to drk gy, crs, l		0281-2L
				5 Cont : prp, cem, dd		0281-3L
500.00						0282
				75 S/Sst : lt gy to w, crs, l		0282-1L
				25 Cont : dd, prp		0282-2L
				tr Ca : lt or, fos		0282-3L
610.00						0283
				90 S/Sst : w to lt gy to m gy, crs, l		0283-1L
				5 Cont : dd, prp		0283-2L
				5 Ca : lt or, fos		0283-3L
640.00						0284
				95 S/Sst : w to lt gy to m gy, crs, l		0284-1L
				5 Cont : dd, prp		0284-2L
				tr Ca : lt or, fos		0284-3L
670.00						0285
				85 S/Sst : w to lt gy to m gy, crs, l		0285-1L
				15 Cont : dd, prp		0285-2L
				tr Ca : lt or, fos		0285-3L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
700.00						0286
			90	S/Sst : w to lt gy to m gy, crs, l		0286-1L
			10	Cont : dd, prp		0286-2L
			tr	Ca : lt or, fos		0286-3L
740.00						0287
			100	S/Sst : w to lt gy to m gy, crs, l		0287-1L
			tr	Cont : dd, prp		0287-2L
			tr	Ca : lt or, fos		0287-3L
770.00						0288
			100	S/Sst : w to lt gy to m gy, crs, l		0288-1L
			tr	Cont : dd, prp		0288-2L
			tr	Ca : lt or, fos		0288-3L
790.00						0289
			95	S/Sst : w to lt gy to m gy, crs, l		0289-1L
			5	Cont : dd, prp		0289-2L
			tr	Ca : lt or, fos		0289-3L
820.00						0290
			95	S/Sst : w to lt gy to m gy, crs, l		0290-1L
			5	Cont : dd, prp		0290-2L
			tr	Ca : lt or, fos		0290-3L
840.00						0291
			95	S/Sst : w to lt gy to m gy, crs, l		0291-1L
			5	Cont : dd, prp		0291-2L
			tr	Ca : lt or, fos		0291-3L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
870.00						0292
			95	S/Sst : w to lt gy to m gy, crs, l		0292-1L
			5	Cont : dd, prp		0292-2L
			tr	Ca : lt or, fos		0292-3L
890.00						0293
			100	S/Sst : w to lt gy to m gy, crs, l		0293-1L
			tr	Cont : dd, prp		0293-2L
			tr	Ca : lt or, fos		0293-3L
940.00						0294
			35	S/Sst : w to lt gy to m gy, crs, l		0294-1L
			35	Cont : dd, prp		0294-2L
			30	Sh/Clst: lt gy, calc		0294-3L
970.00						0295
			60	Sh/Clst: lt gy, calc		0295-3L
			40	S/Sst : w to lt gy to m gy, crs, l		0295-1L
			tr	Cont : dd, prp		0295-2L
1010.00						0296
			70	Sh/Clst: lt gy		0296-3L
			30	S/Sst : w to lt gy to m gy, crs, l		0296-1L
			tr	Cont : dd, prp		0296-2L
1040.00						0297
			85	Sh/Clst: lt gy, slt		0297-2L
			15	S/Sst : w to lt gy to m gy, crs, l		0297-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int	Cvd	TOC%	Lithology description				
1070.00						0298	
			95	Sh/Clst:	lt gy, slt	0298-2L	
			5	S/Sst	: w to lt gy to m gy, crs, l	0298-1L	
			tr	Ca	: fos	0298-3L	
1100.00						0299	
			60	Sh/Clst:	lt gy, slt	0299-2L	
			25	S/Sst	: w to lt gy to m gy, crs, l	0299-1L	
			15	Sh/Clst:	gy gn to gn pu, glauc	0299-4L	
			tr	Ca	: fos	0299-3L	
1130.00						0300	
			35	Cont	: dd	0300-3L	
			30	S/Sst	: w to lt gy to m gy, crs, l	0300-1L	
			25	Sh/Clst:	gy gn to gn pu, glauc	0300-4L	
			10	Sh/Clst:	lt gy, slt	0300-2L	
1160.00						0301	
			85	Sltst	: lt brn gy	0301-3L	
			10	S/Sst	: w to lt gy, crs, l	0301-1L	
			5	Sh/Clst:	gy gn to gn pu, glauc	0301-4L	
			tr	Sh/Clst:	lt gy, slt	0301-2L	
1190.00						0302	
			100	Sltst	: lt brn gy	0302-1L	
			tr	Sh/Clst:	gy gn to gn pu, glauc	0302-2L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1220.00						0303
			100	Sh/Clst: lt brn gy, slt		0303-1L
				tr Sh/Clst: gy gn to gn pu, glauc		0303-2L
1250.00						0304
			100	Sh/Clst: lt or gy, slt		0304-1L
1290.00						0305
			100	Sh/Clst: lt or gy, slt		0305-1L
1320.00						0306
			100	Sh/Clst: lt or gy, slt		0306-1L
1350.00						0307
			100	Sh/Clst: lt or gy, slt		0307-1L
1390.00						0043
			90	Sh/Clst: drk y brn to pl y brn		0043-1L
			10	Cont : dd		0043-2L
			tr	S/Sst : w to lt gy, crs, l		0043-3L
1410.00						0044
			95	Sh/Clst: drk y brn to pl y brn		0044-1L
			5	Cont : dd		0044-2L
			tr	S/Sst : w to lt gy, crs, l		0044-3L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1430.00						0045
				90 Sh/Clst: drk y brn to pl y brn		0045-1L
				5 Cont : dd		0045-2L
				5 S/Sst : w to lt gy, crs, l		0045-3L
1460.00						0046
				100 Sh/Clst: drk y brn to pl y brn		0046-1L
				tr S/Sst : w to lt gy, crs, l		0046-2L
				tr Cont : dd		0046-3L
1490.00						0047
				100 Sh/Clst: drk y brn to lt brn gy to brn gy		0047-1L
				tr S/Sst : w to lt gy, crs, l		0047-2L
1520.00						0048
				100 Sh/Clst: lt ol gy to lt ol brn		0048-1L
				tr S/Sst : w to lt gy, crs, l		0048-2L
1550.00						0049
				100 Sh/Clst: lt ol gy to lt ol brn		0049-1L
				tr S/Sst : w to lt gy, crs, l		0049-2L
				tr Cont : prp		0049-3L
1580.00						0050
				100 Sh/Clst: lt ol gy to pl ol gy, pyr		0050-1L
				tr Ca : w to lt or		0050-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
1610.00						0051	
		100	Sh/Clst: lt ol gy to pl ol gy, pyr			0051-1L	
1640.00						0052	
		100	Sh/Clst: lt ol gy to lt ol brn, pyr			0052-1L	
1670.00						0053	
		100	Sh/Clst: lt ol gy to lt ol brn, pyr			0053-1L	
1700.00						0054	
		100	Sh/Clst: lt ol gy to lt ol brn, pyr			0054-1L	
1730.00						0055	
		100	Sh/Clst: lt ol gy to lt ol brn			0055-1L	
1760.00						0056	
		100	Sh/Clst: lt ol gy to lt ol brn tr Ca : lt or to or gy			0056-1L 0056-2L	
1790.00						0057	
		85	Sh/Clst: m brn to pl brn			0057-2L	
		15	Sh/Clst: lt ol gy to lt ol brn, pyr			0057-1L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
1820.00						0058	
		80	Sh/Clst: m brn to pl brn				0058-2L
		20	Sh/Clst: lt ol gy to lt ol brn, pyr				0058-1L
1830.00						0065	
		100	Sh/Clst: lt ol gy to lt ol brn				0065-1L
			tr Sh/Clst: m brn to pl brn				0065-2L
1875.00						0059	
		100	Sh/Clst: lt gy to m gy				0059-1L
			tr Sh/Clst: m brn to pl brn				0059-2L
			tr Cont : dd, prp				0059-3L
1910.00						0060	
		100	Sh/Clst: lt gy to m gy				0060-1L
			tr Ca : lt or				0060-2L
1945.00						0061	
		100	Sh/Clst: lt gy to lt gn gy, pyr				0061-1L
			tr Sh/Clst: m brn to pl brn				0061-2L
			tr Ca : lt or				0061-3L
1970.00						0062	
		100	Sh/Clst: lt gy to lt gn gy, pyr				0062-1L
			tr Sh/Clst: m brn to pl brn				0062-2L
			tr Ca : lt or				0062-3L
			tr Cont : prp, dd				0062-4L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2000.00						0063	
		100	Sh/Clst: lt gy to lt gn gy, pyr tr Sh/Clst: m brn to pl brn			0063-1L 0063-2L	
2030.00						0064	
		75	Sh/Clst: lt gy to lt gn gy, pyr			0064-1L	
		25	Cont : dd			0064-3L	
		tr	Sh/Clst: m brn to pl brn			0064-2L	
2090.00						0066	
		85	Marl : lt gy			0066-1L	
		15	Cont : dd			0066-2L	
		tr	Sh/Clst: m brn to pl brn			0066-3L	
2120.00						0067	
		90	Marl : lt gy			0067-1L	
		10	Cont : dd			0067-2L	
2150.00						0068	
		95	Sh/Clst: lt gy to m gy, calc			0068-1L	
		5	Sh/Clst: m brn to pl brn			0068-2L	
		tr	Cont : dd			0068-3L	
2180.00						0069	
		90	Sh/Clst: lt gy to m gy, calc			0069-1L	
		10	Cont : dd			0069-3L	
		tr	Sh/Clst: m brn to pl brn			0069-2L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2210.00						0070
				90 Sh/Clst: lt gy to m gy, calc		0070-1L
				10 Cont : dd		0070-3L
				tr Sh/Clst: m brn to pl brn		0070-2L
2240.00						0071
				100 Sh/Clst: lt gy to m gy, slt		0071-1L
				tr Sh/Clst: m brn to pl brn		0071-2L
				tr Ca : lt or		0071-3L
				tr Cont : dd, prp		0071-4L
2270.00						0072
				90 Sh/Clst: lt gy to m gy, slt		0072-1L
				5 Sh/Clst: m brn to pl brn		0072-2L
				5 Cont : dd, prp		0072-4L
				tr Ca : lt or to w		0072-3L
2300.00						0073
				90 Sh/Clst: lt gy to m gy, pyr		0073-1L
				5 Sh/Clst: m brn to pl brn		0073-2L
				5 Cont : dd, prp		0073-4L
				tr Ca : lt or to w		0073-3L
2330.00						0074
				85 Sh/Clst: lt gy to m gy, pyr		0074-1L
				15 Cont : dd, prp		0074-3L
				tr Sh/Clst: m brn to pl brn		0074-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2370.00						0075
				95 Sh/Clst: lt gy to m gy, pyr		0075-1L
				5 Cont : dd, prp		0075-3L
				tr Sh/Clst: m brn to pl brn		0075-2L
2400.00						0076
				95 Sh/Clst: lt gy to m gy, slt, pyr		0076-1L
				5 Cont : dd, prp		0076-3L
				tr Sh/Clst: m brn to pl brn		0076-2L
				tr S/Sst : lt gy to pl y brn, crs, l		0076-4L
2430.00						0077
				85 Sh/Clst: lt gy to m gy, slt, pyr		0077-1L
				15 Cont : dd, prp		0077-2L
2460.00						0078
				85 Sh/Clst: lt gy to m gy, slt, pyr		0078-1L
				15 Cont : dd, prp		0078-2L
2490.00						0079
				95 Sh/Clst: lt gy to m gy, slt		0079-1L
				5 Cont : dd, prp		0079-2L
2520.00						0080
				90 Sh/Clst: lt gy to m gy, slt		0080-1L
				10 Cont : dd, prp		0080-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2555.00						0081
				90 Sh/Clst: lt gy to m gy, slt		0081-1L
				10 Cont : dd, prp		0081-2L
2580.00						0082
				75 Sh/Clst: lt gy to m gy, slt		0082-1L
				25 Cont : dd, prp		0082-2L
2610.00						0083
				75 Sh/Clst: lt gy to m gy, slt		0083-1L
				25 Cont : dd, prp		0083-2L
2630.00						0084
				80 Marl : m gy		0084-1L
				20 Cont : dd, prp		0084-2L
2660.00						0085
				90 Marl : m gy		0085-1L
				10 Cont : dd, prp		0085-2L
2690.00						0086
				90 Marl : m gy		0086-1L
				10 Cont : dd, prp		0086-2L
2720.00						0087
				90 Marl : m gy		0087-1L
				10 Cont : prp		0087-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2748.00						0088	
		95	Marl	: m gy		0088-1L	
		5	Cont	: prp		0088-2L	
2755.00						0089	
		95	Marl	: m gy		0089-1L	
		5	Cont	: prp		0089-2L	
2768.10	ccp					0090	
		100	S/Sst	: lt or gy to lt gy, crs, l, pyr, mic		0090-1L	
2769.90	ccp					0091	
		100	S/Sst	: lt or gy to lt gy, crs, l, pyr, mic		0091-1L	
2772.00	ccp					0092	
		100	S/Sst	: lt or gy to lt gy, crs, l, pyr, mic		0092-1L	
2773.90	ccp					0093	
		100	S/Sst	: lt or gy to lt gy, crs, l, mic		0093-1L	
2776.00	ccp					0094	
		100	S/Sst	: lt or gy to lt gy, crs, l, mic		0094-1L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2779.90	ccp					0095
		100	S/Sst	: lt or gy to lt gy, crs, l, mic		0095-1L
2781.90	ccp					0096
		100	S/Sst	: lt or gy to lt gy, f, mic		0096-1L
2784.00	ccp					0097
		100	S/Sst	: lt or gy to lt gy, f, mic		0097-1L
2786.00	ccp					0098
		100	S/Sst	: lt or gy to lt gy, f, crs		0098-1L
2788.00	ccp					0099
		100	S/Sst	: lt or gy to lt gy, crs, l		0099-1L
2789.90	ccp					0100
		100	S/Sst	: lt or gy to lt gy, crs, l		0100-1L
2791.90	ccp					0101
		100	S/Sst	: lt gy, crs, l		0101-1L
2793.64	ccp					0102
		100	S/Sst	: lt gy to lt brn gy, crs, l		0102-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2796.00	ccp					0103
		100	S/Sst	: lt gy to lt or gy, crs, hd		0103-1L
2798.00	ccp					0104
		100	S/Sst	: lt gy to lt or gy, crs, hd		0104-1L
2800.00	ccp					0105
		100	S/Sst	: lt gy to lt or gy, crs, hd, mic		0105-1L
2802.00	ccp					0106
		100	S/Sst	: lt gy, crs, l		0106-1L
2804.00	ccp					0107
		100	S/Sst	: lt gy, crs, l		0107-1L
			tr Coal	: blk		0107-2L
2806.00	ccp					0108
		85	S/Sst	: lt gy to m gy, f, hd, mic		0108-1L
		15	Sh/Clst:	drk gy to brn blk		0108-2L
			tr Coal	: blk		0108-3L
2808.00	ccp					0109
		95	S/Sst	: lt gy to m gy, f, hd, mic, lam		0109-1L
		5	Sh/Clst:	drk gy to brn blk, lam		0109-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2810.00	ccp					0110	
		100	Sh/Clst: drk gy to brn blk, mic			0110-1L	
2812.00	ccp					0111	
		100	S/Sst : lt gy to lt or gy, crs, l, mic			0111-1L	
2814.00	ccp					0112	
		100	S/Sst : lt gy to lt or gy, crs, mic			0112-1L	
2816.00	ccp					0113	
		100	Sh/Clst: brn gy, slt, wx, mic			0113-1L	
2818.00	ccp					0114	
		100	Coal : blk, wx			0114-1L	
2821.87	ccp					0115	
		100	S/Sst : lt gy to lt or, f, hd, mic			0115-1L	
2824.00	ccp					0116	
		100	Sh/Clst: drk gy to brn blk, pyr			0116-1L	
			tr S/Sst : lt gy to lt or gy, f			0116-2L	
2825.90	ccp					0117	
		100	S/Sst : w to lt or, crs, l			0117-1L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2828.00	ccp					0118	
		100	Sh/Clst: brn gy to drk y brn, wx			0118-1L	
2830.00	ccp					0119	
		70	S/Sst : lt or gy, f, hd			0119-1L	
		30	Sh/Clst: brn gy to drk y brn, wx, slt			0119-2L	
		tr	Coal : blk, wx			0119-3L	
2840.00	ccp					0120	
		100	Sh/Clst: brn gy to gy brn, wx			0120-1L	
		tr	Coal : blk, wx			0120-2L	
2842.00	ccp					0121	
		80	Sh/Clst: brn gy to drk y brn			0121-1L	
		20	S/Sst : lt or gy, f, hd			0121-2L	
2844.00	ccp					0122	
		100	S/Sst : pl y brn, crs, l, mic			0122-1L	
		tr	Coal : brn blk to blk			0122-2L	
2846.00	ccp					0123	
		100	S/Sst : lt or gy, f, crs, mic			0123-1L	
2848.00	ccp					0124	
		100	S/Sst : lt gy to lt or gy, crs			0124-1L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2850.00	ccp					0125
			100	Sh/Clst: drk gy to brn blk, mic		0125-1L
2852.00	ccp					0126
			100	S/Sst : lt or gy to lt gy, crs		0126-1L
2854.00	ccp					0127
			100	S/Sst : lt brn gy, crs, l, st		0127-1L
2856.00	ccp					0128
			100	S/Sst : lt brn gy, crs, l, st		0128-1L
2858.00	ccp					0129
			100	S/Sst : lt brn gy, crs, l, st		0129-1L
2859.60	ccp					0130
			100	S/Sst : lt gy to lt brn gy, f, crs, hd, mic, st		0130-1L
2862.00	ccp					0131
			100	S/Sst : lt brn gy to lt gy, crs, st		0131-1L
2864.00	ccp					0132
			100	S/Sst : lt brn gy, crs, st		0132-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2865.60	ccp					0133
		100	S/Sst	: lt brn gy to lt gy, crs, st		0133-1L
2868.00	ccp					0134
		100	S/Sst	: lt gy to lt or gy, crs, st		0134-1L
2870.00	ccp					0135
		100	S/Sst	: m gy to drk y brn, crs, st		0135-1L
2872.00	ccp					0136
		100	S/Sst	: m gy to drk y brn, crs, st		0136-1L
2874.00	ccp					0137
		100	S/Sst	: lt gy to lt brn gy, crs		0137-1L
2876.00	ccp					0138
		100	S/Sst	: lt gy to lt brn gy, crs		0138-1L
2878.00	ccp					0139
		100	S/Sst	: lt brn gy to lt gy, crs		0139-1L
2880.00	ccp					0140
		100	S/Sst	: lt brn gy to lt gy, crs		0140-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2881.85	ccp					0141
			100	S/Sst : lt gy to lt brn gy, crs		0141-1L
2884.00	ccp					0142
			100	S/Sst : lt gy to lt or gy, crs, mic		0142-1L
2886.00	ccp					0143
			100	S/Sst : lt gy to lt brn gy to brn gy, crs		0143-1L
2888.00	ccp					0144
			100	S/Sst : w to lt or, crs, l		0144-1L
2890.00	ccp					0145
			100	S/Sst : lt brn gy to lt or gy, crs, l		0145-1L
2892.00	ccp					0146
			100	S/Sst : lt brn gy to lt or gy, crs, l		0146-1L
2894.00	ccp					0147
			100	S/Sst : lt or gy to lt brn gy, crs, l		0147-1L
2896.00	ccp					0148
			100	S/Sst : lt or gy to lt brn gy, crs, l		0148-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
2898.00	ccp					0149
		100	S/Sst	: lt or gy to lt gy to lt brn gy, crs, l		0149-1L
2900.00	ccp					0150
		100	S/Sst	: lt or gy to lt gy, f, crs		0150-1L
2902.00	ccp					0151
		100	S/Sst	: lt or gy to lt gy, f, mic		0151-1L
2904.00	ccp					0152
		100	S/Sst	: lt or gy to lt gy, f, mic		0152-1L
2906.00	ccp					0153
		100	S/Sst	: lt or gy to lt gy, f, mic		0153-1L
2908.00	ccp					0154
		100	S/Sst	: lt or gy to lt gy, f, mic		0154-1L
2910.00	ccp					0155
		100	S/Sst	: lt or gy, f, mic		0155-1L
2912.00	ccp					0156
		100	S/Sst	: lt or gy, f, mic		0156-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2914.00	ccp					0157
		100	S/Sst	: lt or gy, f, mic		0157-1L
2916.00	ccp					0158
		100	S/Sst	: lt or gy, f		0158-1L
2918.00	ccp					0159
		100	S/Sst	: lt or gy, crs, mic		0159-1L
2920.00	ccp					0160
		100	S/Sst	: lt or gy, crs, mic		0160-1L
2922.00	ccp					0161
		100	S/Sst	: lt or gy, crs, f		0161-1L
2924.00	ccp					0162
		100	S/Sst	: lt or gy, f		0162-1L
2926.00	ccp					0163
		100	S/Sst	: lt or gy, f		0163-1L
2928.00	ccp					0164
		100	S/Sst	: lt or gy, f, crs		0164-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2930.00	ccp		100	S/Sst		0165 0165-1L
				: lt or gy, f, crs		
2932.00	ccp		100	S/Sst		0166 0166-1L
				: lt or gy, f, crs, mic		
2934.00	ccp		100	S/Sst		0167 0167-1L
				: lt or gy, f, crs, mic		
2936.00	ccp		100	S/Sst		0168 0168-1L
				: lt or gy, f, crs, mic		
2938.00	ccp		100	S/Sst		0169 0169-1L
				: lt or gy, f, mic		
2940.00	ccp		100	S/Sst		0170 0170-1L
				: drk gy, hd		
2942.00	ccp		100	S/Sst		0171 0171-1L
				: lt or gy, crs, hd, mic		
2944.00	ccp		100	S/Sst		0172 0172-1L
				: lt brn gy to lt gy, f, slt, mic, hd		

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2946.00	ccp					0173
			100	S/Sst : lt or gy to lt gy, f, slt, hd, mic		0173-1L
2947.70	ccp					0174
			100	S/Sst : lt brn gy to lt gy, f, slt, hd, mic		0174-1L
2950.00	ccp					0175
			100	S/Sst : lt brn gy to lt gy, f, slt, hd, mic		0175-1L
2952.00	ccp					0176
			100	S/Sst : lt or gy, f, slt, mic		0176-1L
2954.00	ccp					0177
			65	Sh/Clst: pl y brn to brn blk, mic, lam		0177-1L
			35	Sltst : lt or gy, lam		0177-2L
2956.00	ccp					0178
			75	Sltst : lt or gy, lam		0178-2L
			25	Sh/Clst: pl y brn to brn blk, mic, lam		0178-1L
2958.00	ccp					0179
			100	Sltst : lt gy to lt or gy, cly, mic		0179-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
2960.00	ccp					0180	
		100	Sh/Clst: brn gy to brn blk, mic, slt			0180-1L	
2962.00	ccp					0181	
		100	Sltst : lt gy to m gy, cly tr Coal : blk			0181-1L 0181-2L	
2964.00	ccp					0183	
		100	Sh/Clst: drk gy to brn blk, mic, slt			0183-1L	
2966.00	ccp					0184	
		95	Sh/Clst: drk gy to brn blk, mic, slt			0184-1L	
		5	Sltst : lt gy			0184-2L	
2968.00	ccp					0185	
		100	Sh/Clst: brn gy to brn blk, mic			0185-1L	
2970.00	ccp					0186	
		50	Sh/Clst: brn gy to brn blk, mic, lam			0186-1L	
		50	Sltst : lt gy, lam			0186-2L	
2972.00	ccp					0187	
		90	Sltst : lt gy, lam			0187-2L	
		10	Sh/Clst: brn gy to brn blk, mic, lam			0187-1L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2974.00	ccp					0188
				50 Sh/Clst: brn gy to brn blk, mic, lam		0188-1L
				50 sltst : lt gy, lam		0188-2L
2983.00						0189
				70 Sh/Clst: m gy, pyr		0189-1L
				25 S/Sst : w to lt gy, crs, l		0189-2L
				5 Cont : prp, dd		0189-3L
				tr Ca : w, mrl		0189-4L
2988.00						0190
				90 Sh/Clst: m gy		0190-1L
				10 Cont : prp, dd		0190-3L
				tr S/Sst : w to lt gy, crs, l		0190-2L
2993.00						0191
				90 Sh/Clst: m gy		0191-1L
				10 Cont : prp, dd		0191-3L
				tr S/Sst : w to lt gy, crs, l		0191-2L
2998.00						0192
				95 Sh/Clst: m gy, pyr		0192-1L
				5 Cont : prp, dd		0192-3L
				tr S/Sst : w to lt gy, crs, l		0192-2L
3003.00						0193
				90 Sh/Clst: m gy, pyr		0193-1L
				10 Cont : prp, dd		0193-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3013.00						0194
				95 Sh/Clst: m gy, pyr		0194-1L
				5 Cont : prp, dd		0194-2L
				tr S/Sst : w to lt gy, crs, l		0194-3L
3018.00						0195
				100 Sh/Clst: m gy		0195-1L
				tr Cont : prp, dd		0195-2L
				tr S/Sst : w to lt gy, crs, l		0195-3L
3023.00						0196
				80 Sh/Clst: m gy		0196-1L
				20 Cont : prp, dd		0196-2L
				tr Ca : lt or		0196-3L
3028.00						0197
				80 Sh/Clst: m gy		0197-1L
				20 Cont : prp, dd		0197-2L
3033.00						0198
				85 Sh/Clst: m gy		0198-1L
				15 Cont : prp, dd		0198-2L
3035.00						0199
				85 Sh/Clst: m gy to drk gy, wx		0199-1L
				15 Cont : prp, dd		0199-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3043.00						0200
				60 S/Sst : w to lt gy, crs, l		0200-1L
				30 Sh/Clst: drk gy to brn blk, wx		0200-2L
				10 Cont : dd, prp		0200-3L
3044.00	ccp					0201
				100 S/Sst : lt gy to m gy, crs, hd		0201-1L
3046.00	ccp					0202
				100 S/Sst : lt gy to m gy, crs, hd		0202-1L
3048.00	ccp					0203
				100 S/Sst : lt gy to m gy to drk gy, f, crs, hd		0203-1L
3050.00	ccp					0204
				100 S/Sst : lt gy to m gy to drk gy, f, crs, hd		0204-1L
3052.00	ccp					0205
				100 S/Sst : lt gy to m gy, f, cly, hd		0205-1L
3053.80	ccp					0206
				100 S/Sst : w to lt gy, crs, hd, mic		0206-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3056.00	ccp					0207
			95	S/Sst : w to lt gy, crs, hd, mic		0207-1L
			5	Sh/Clst: brn gy to gy brn		0207-2L
3058.00	ccp					0208
			100	S/Sst : w to lt gy, f, slt, hd		0208-1L
3060.00	ccp					0209
			95	S/Sst : w to lt gy, f, slt, hd		0209-1L
			5	Sh/Clst: m gy to drk gy, mic		0209-2L
3062.00	ccp					0210
			80	S/Sst : lt gy, f, hd		0210-1L
			20	Sh/Clst: brn gy to m gy, mic		0210-2L
3064.00	ccp					0211
			95	Sh/Clst: brn gy to m gy, mic		0211-2L
			5	S/Sst : lt gy, f, hd		0211-1L
3078.00						0308
			85	S/Sst : w to lt gy, f, kln, crs, l		0308-1L
			5	Sh/Clst: lt brn		0308-2L
			5	Sh/Clst: m gy		0308-3L
			5	Cont : prp		0308-4L
			tr	Ca : w to lt or		0308-5L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3085.00						0309
			85	S/Sst	: w to lt gy, f, kln, crs, l	0309-1L
			5	Sh/Clst:	lt brn, calc	0309-2L
			5	Sh/Clst:	m gy	0309-3L
			5	Cont	: prp	0309-4L
			tr	Ca	: w to lt or	0309-5L
3092.00						0310
			85	S/Sst	: w to lt gy, f, kln, crs, l	0310-1L
			5	Sh/Clst:	lt brn, calc	0310-2L
			5	Sh/Clst:	m gy	0310-3L
			5	Cont	: prp	0310-4L
3100.00						0311
			90	S/Sst	: w to lt gy, f, kln, crs, l	0311-1L
			5	Sh/Clst:	lt brn, calc	0311-2L
			5	Sh/Clst:	m gy	0311-3L
			tr	Cont	: prp	0311-4L
3105.00						0312
			90	S/Sst	: w to lt gy, f, kln, crs, l	0312-1L
			5	Sh/Clst:	m gy	0312-3L
			5	Sh/Clst:	brn gy, mic, slt	0312-4L
			tr	Sh/Clst:	lt brn, calc	0312-2L
			tr	Cont	: prp	0312-5L
3110.00						0313
			90	S/Sst	: w to lt gy, f, kln, crs, l	0313-1L
			5	Sh/Clst:	lt brn, calc	0313-2L
			5	Sh/Clst:	m gy	0313-3L
			tr	Sh/Clst:	brn gy, mic, slt	0313-4L
			tr	Cont	: prp	0313-5L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3115.00						0314
				90 S/Sst : w to lt gy, f, kln, crs, l		0314-1L
				5 Sh/Clst: m gy		0314-3L
				5 Cont : prp, dd		0314-4L
				tr Sh/Clst: lt brn, calc		0314-2L
3120.00						0315
				95 S/Sst : w to lt gy, f, kln, crs, l		0315-1L
				5 Sh/Clst: m gy		0315-3L
				tr Sh/Clst: lt brn, calc		0315-2L
				tr Cont : prp, dd		0315-4L
3125.00						0316
				90 S/Sst : w to lt gy, f, kln, crs, l		0316-1L
				5 Sh/Clst: m gy		0316-3L
				5 Cont : prp, dd		0316-4L
				tr Sh/Clst: lt brn, calc		0316-2L
3130.00						0317
				90 S/Sst : w to lt gy, f, kln, crs, l		0317-1L
				5 Sh/Clst: m gy		0317-3L
				5 Cont : prp, dd		0317-4L
				tr Sh/Clst: lt brn, calc		0317-2L
3140.00						0318
				85 S/Sst : w to lt gy, f, kln, crs, l		0318-1L
				5 Sh/Clst: lt brn, calc		0318-2L
				5 Sh/Clst: m gy		0318-3L
				5 Sh/Clst: brn gy, slt		0318-5L
				tr Cont : prp, dd		0318-4L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3150.00						0319
				100 S/Sst : w to lt gy, f, kln, crs, l		0319-1L
				tr Sh/Clst: lt brn, calc		0319-2L
				tr Sh/Clst: m gy		0319-3L
				tr Cont : prp, dd		0319-4L
				tr Sh/Clst: brn gy, slt		0319-5L
3155.00						0320
				90 S/Sst : w to lt gy, crs, l, f, kln		0320-1L
				5 Sh/Clst: m gy		0320-3L
				5 Sh/Clst: brn gy, slt		0320-5L
				tr Sh/Clst: lt brn, calc		0320-2L
				tr Cont : prp, dd		0320-4L
3160.00						0321
				95 S/Sst : w to lt gy, crs, l, f, kln		0321-1L
				5 Sh/Clst: brn gy, slt		0321-5L
				tr Sh/Clst: lt brn, calc		0321-2L
				tr Sh/Clst: m gy		0321-3L
				tr Cont : prp, dd		0321-4L
3165.00						0322
				95 S/Sst : w to lt gy, crs, l, f, kln		0322-1L
				5 Sh/Clst: lt brn, calc		0322-2L
				tr Cont : prp, dd		0322-3L
				tr Sh/Clst: brn gy, slt		0322-4L
3170.00						0323
				85 S/Sst : w to lt gy, crs, l, f, kln		0323-1L
				5 Sh/Clst: m gy		0323-2L
				5 Cont : prp, dd		0323-3L
				5 Sh/Clst: brn gy, slt		0323-4L
				tr Sh/Clst: lt brn		0323-5L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3175.00						0324
				90 S/Sst : w to lt gy, crs, l, f, kln		0324-1L
				5 Sh/Clst: m gy		0324-2L
				5 Sh/Clst: lt brn		0324-5L
				tr Cont : prp, dd		0324-3L
				tr Sh/Clst: brn gy, mic		0324-4L
3180.00						0325
				95 S/Sst : w to lt gy, crs, l, f, kln		0325-1L
				5 Cont : prp, dd		0325-3L
				tr Sh/Clst: m gy		0325-2L
3185.00						0326
				100 S/Sst : w to lt gy, crs, l, f, kln		0326-1L
				tr Sh/Clst: m gy		0326-2L
				tr Sh/Clst: lt brn		0326-3L
				tr Sh/Clst: brn gy, mic		0326-4L
				tr Cont : prp		0326-5L
3190.00						0327
				95 S/Sst : w to lt gy, crs, l, f, kln		0327-1L
				5 Sh/Clst: brn gy, mic		0327-4L
				tr Sh/Clst: m gy		0327-2L
				tr Sh/Clst: lt brn		0327-3L
				tr Cont : prp		0327-5L
3195.00						0328
				90 S/Sst : w to lt gy, crs, l, f, kln		0328-1L
				5 Sh/Clst: m gy		0328-2L
				5 Sh/Clst: brn gy, mic		0328-4L
				tr Sh/Clst: lt brn		0328-3L
				tr Cont : prp		0328-5L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3200.00						0329
				90 S/Sst : w to lt gy, crs, l, f, kln		0329-1L
				10 Sh/Clst: m gy		0329-2L
				tr Sh/Clst: lt brn		0329-3L
				tr Sh/Clst: brn gy, mic		0329-4L
				tr Cont : prp		0329-5L
3205.00						0330
				85 S/Sst : w to lt gy, crs, l, f, kln		0330-1L
				5 Sh/Clst: m gy		0330-2L
				5 Sh/Clst: lt brn		0330-3L
				5 Sh/Clst: brn gy, mic		0330-4L
				tr Cont : prp		0330-5L
3215.00						0331
				85 S/Sst : w to lt gy, crs, l, f, kln		0331-1L
				10 Sh/Clst: m gy		0331-2L
				5 Sh/Clst: brn gy, mic		0331-4L
				tr Sh/Clst: lt brn		0331-3L
				tr Cont : prp		0331-5L
3220.00						0332
				75 S/Sst : w to lt gy, f, kln, crs, l		0332-1L
				15 Sh/Clst: lt gy to m gy		0332-2L
				5 Sh/Clst: lt brn		0332-3L
				5 Sh/Clst: brn gy, mic		0332-4L
				tr Cont : prp		0332-5L
3225.00						0333
				70 S/Sst : w to lt gy, f, kln, crs, l		0333-1L
				20 Sh/Clst: lt gy to m gy		0333-2L
				5 Sh/Clst: brn gy, mic		0333-4L
				5 Cont : prp		0333-5L
				tr Sh/Clst: lt brn		0333-3L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
3235.00						0334	
		40	S/Sst	: w to lt gy, f, kln, crs, l		0334-1L	
		30	Sh/Clst:	lt gy to m gy		0334-2L	
		20	Sh/Clst:	brn gy, mic		0334-4L	
		5	Sh/Clst:	lt brn		0334-3L	
		5	Cont	: prp		0334-5L	
3240.00						0335	
		40	S/Sst	: w to lt gy, f, kln, crs, l		0335-1L	
		30	Sh/Clst:	lt gy to m gy		0335-2L	
		20	Sh/Clst:	brn gy, mic		0335-4L	
		5	Sh/Clst:	lt brn		0335-3L	
		5	Cont	: prp		0335-5L	
3252.00						0336	
		50	S/Sst	: w to lt gy, f, kln, crs, l		0336-1L	
		30	Sh/Clst:	lt gy to m gy		0336-2L	
		10	Sh/Clst:	brn gy, mic		0336-4L	
		5	Sh/Clst:	lt brn		0336-3L	
		5	Cont	: prp		0336-5L	
3270.00						0337	
		75	Sh/Clst:	lt gy to m gy		0337-2L	
		15	Sh/Clst:	brn gy, mic		0337-3L	
		5	S/Sst	: w to lt gy, f, kln, crs, l		0337-1L	
		5	Cont	: prp, dd		0337-4L	
3294.35	ccp					0212	
		100	S/Sst	: lt gy, crs, hd		0212-1L	

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3296.00	ccp					0213
			100	S/Sst : lt gy, crs, hd		0213-1L
3298.00	ccp					0215
			100	S/Sst : lt gy, crs, hd, calc		0215-1L
3300.00	ccp					0217
			95	S/Sst : lt gy, crs, hd, cly		0217-1L
			5	Sh/Clst: drk gy to brn blk, mic		0217-2L
3302.00	ccp					0219
			100	S/Sst : lt gy to m gy, f, cly, mic		0219-1L
3304.00	ccp					0221
			100	S/Sst : lt gy, f, hd		0221-1L
3306.00	ccp					0222
			100	S/Sst : lt gy, f, hd		0222-1L
3308.00	ccp					0223
			100	S/Sst : lt gy to m gy, f, hd		0223-1L
3310.00	ccp					0224
			100	S/Sst : lt gy to m gy, f, hd		0224-1L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3312.00	ccp					0225
			100	S/Sst : lt gy to m gy, f, hd		0225-1L
3314.00	ccp					0226
			100	S/Sst : lt gy to m gy, f, hd, mic		0226-1L
3316.00	ccp					0227
			100	sltst : m gy to drk, s, mic		0227-1L
3320.00						0228
			60	Sh/Clst: m gy, slt		0228-1L
			20	Marl : lt gy		0228-2L
			15	Cont : prp, dd, fib		0228-3L
			5	S/Sst : lt gy to pl y brn, crs, l		0228-4L
			tr	Other : trbofgs		0228-5L
3325.00						0229
			60	S/Sst : w to lt gy, crs, l		0229-1L
			25	Sh/Clst: lt gy to m gy		0229-2L
			5	Coal : brn blk to blk		0229-3L
			5	Cont : prp, dd, fib		0229-4L
			5	Other : trbofgs		0229-5L
3330.00						0230
			80	S/Sst : w to lt gy, crs, l		0230-1L
			15	Coal : brn blk to blk		0230-3L
			5	Cont : prp, dd, fib		0230-4L
			tr	Sh/Clst: lt gy to m gy, slt		0230-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3335.00						0231
				80 S/Sst : w to lt gy, crs, l		0231-1L
				20 Coal : dsk brn to brn blk to blk		0231-3L
				tr Sh/Clst: lt gy to m gy, slt		0231-2L
				tr Cont : prp, dd, fib		0231-4L
3340.00						0232
				95 S/Sst : w to lt gy, crs, l		0232-1L
				5 Coal : dsk brn to brn blk to blk		0232-2L
				tr Cont : prp		0232-3L
				tr Sh/Clst: lt gy to m gy		0232-4L
3355.00						0233
				50 Sh/Clst: lt gy to m gy		0233-4L
				40 Cont : Coal-ad, prp, ns, dd		0233-3L
				5 S/Sst : w to lt gy to pl y brn, crs, l		0233-1L
				5 Coal : blk		0233-2L
3360.00						0234
				95 S/Sst : w to lt gy to pl y brn, crs, l		0234-1L
				5 Cont : Coal-ad, prp, ns, dd		0234-3L
				tr Coal : blk		0234-2L
				tr Sh/Clst: lt gy to m gy		0234-4L
3365.00						0235
				100 S/Sst : w, crs, l		0235-1L
				tr Coal : blk, wx		0235-2L
				tr Cont : prp		0235-3L
				tr Sh/Clst: lt gy to m gy		0235-4L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3370.00						0236
				100 S/Sst : w, crs, l		0236-1L
				tr Coal : blk, wx		0236-2L
				tr Cont : prp		0236-3L
				tr Sh/Clst: lt gy to m gy		0236-4L
3375.00						0237
				95 S/Sst : w, crs, l		0237-1L
				5 Cont : Coal-ad, prp		0237-2L
3380.00						0238
				50 S/Sst : w, crs, l		0238-1L
				40 Cont : Coal-ad, prp		0238-2L
				10 Sh/Clst: lt gy to m gy to gy brn to brn blk		0238-3L
				tr Sltst : m or red		0238-4L
3385.00						0239
				95 S/Sst : w, crs, l		0239-1L
				5 Cont : Coal-ad, prp		0239-2L
				tr Sh/Clst: lt gy to m gy to gy brn to brn blk		0239-3L
				tr Sltst : m or red		0239-4L
3390.00						0240
				100 S/Sst : w, crs, l		0240-1L
				tr Cont : Coal-ad, prp		0240-2L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3395.00						0241
				95 S/Sst : w, crs, l		0241-1L
				5 Cont : Coal-ad, prp		0241-2L
				tr Sh/Clst: lt gy to m gy		0241-3L
3400.00						0242
				95 S/Sst : w, crs, l		0242-1L
				5 Cont : Coal-ad, prp		0242-2L
				tr Sh/Clst: lt gy to m gy		0242-3L
3405.00						0243
				95 S/Sst : w, crs, l		0243-1L
				5 Cont : Coal-ad, prp		0243-2L
				tr Sh/Clst: lt gy to m gy		0243-3L
3410.00						0244
				95 S/Sst : w, crs, l		0244-1L
				5 Cont : Coal-ad, prp		0244-2L
				tr Sh/Clst: lt gy to m gy		0244-3L
3415.00						0245
				100 S/Sst : w, crs, l		0245-1L
				tr Cont : Coal-ad, prp		0245-2L
				tr Sh/Clst: lt gy to m gy		0245-3L
3420.00						0246
				90 S/Sst : w, crs, l		0246-1L
				5 Cont : Coal-ad, prp		0246-2L
				5 Sh/Clst: lt gy to m gy		0246-3L

Table 1 : Lithology description for well NOCS 34/8-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3430.00						0247
				55 S/Sst : w, crs, l		0247-1L
				40 Sh/Clst: lt brn gy to brn gy to m ol gy, wx		0247-3L
				5 Cont : Coal-ad, prp		0247-2L
3435.00						0248
				40 S/Sst : w, crs, l		0248-1L
				30 Cont : Coal-ad, prp		0248-2L
				30 Sh/Clst: lt gy to m gy to lt brn gy to brn gy		0248-3L
3440.00						0249
				60 Sh/Clst: lt gy to lt brn gy to brn gy to lt ol gy, wx		0249-3L
				40 S/Sst : w, crs, l		0249-1L
				tr Cont : prp		0249-2L
				tr Ca : w to lt or		0249-4L
3445.00						0250
				50 S/Sst : w, crs, l, f, kln		0250-1L
				40 Sh/Clst: lt gy to lt brn gy to brn gy to lt ol gy, wx		0250-3L
				5 Cont : prp		0250-2L
				5 Ca : w to lt or		0250-4L
3450.00						0251
				65 Sh/Clst: lt gy to lt brn gy to brn gy to lt ol gy, wx		0251-3L
				20 S/Sst : w, crs, l, f, kln		0251-1L
				10 Cont : prp		0251-2L
				5 Ca : w to lt or		0251-4L