



# IMCO SERVICES

A Division of HALLIBURTON Company  
2400 West Loop South, P. O. Box 22605  
Houston, Texas 77027 A/C 713 622-5555

## DRILLING MUD TESTS

CASING	HOLE SIZE	NO. BITS	NO. DAYS
30" @ 603	36"	2	2
20" @ 1603	26"	1	1
@			
@			
@			

CONOCO  
WELL NAME & NO.  
10/5-1

API WELL NO.	STATE	COUNTY	WELL	S/T

FIELD: 10/5 North Sea  
COUNTY: Norway  
STATE: Norway

CONTRACTOR: Rowan-Norjarl  
Sec. T R

IMCO REPRESENTATIVE Verret/Stansbury

TYPE MUD IN-PAC

Page 1

DATE	DEPTH ft.	WEIGHT lb/gal. lbs/cu ft.	VISCOSITY sec.	PAST 5 ct.	PLUG VALUE lbs/10 ft.	GEL STRENGTH lbm.	PH	FILTRATE ml.	HT-HP LOSS TEM. min.	CAKE 32nd IN.	ALKALINITY			SALT CHLORIDE ppm g/g	CALCIUM ION ppm	SAND % VOL	SOLIDS % VOL	OIL % VOL	WATER CONTENT % VOL	METHYLENE BLUE		
											PH	Ca	Pm							ne/	lbs/bbl	
30/5	0	8.3	50				9.0							19000	600							
31/5	621	9.0	160				9.0							19000	600							
1/6	450	9.0	150				9.0							19000	600							
2/6	621	9.4	130				9.0							19000	600							
3/6	1485	9.3	50				9.0	N.C.						20000	600							
4/6	1642	9.6	40				9.0	N.C.						20000	600							
5/6	1642	9.6	40				9.0	N.C.						20000	600							
6/6	1642	9.5	80				9.0	N.C.						20000	600							
7/6	1642	9.2	45				8.5	5.6		2	1.7	3.7	55000	200	Nil	4	0	96	1.4			
8/6	1603	9.6	45	13	11	1	2	9.0	6.2	2	1.7	3.7	2.24	6000	880	Nil	8	0	92	1.4		
9/6	1752	9.8	40	13	10	1	3	11.0	5.2	1	1.8	3.2	2.45	50000	720	Nil	10	0	90	1.4		
10/6	1852	9.8	40	12	13	1	2	10.5	4.0	30000	1	1.5	2.6	2.24	9000	1040	1/2	10	0	90	1.4	
10/6	1922	9.8	39	11	8	1	2	10.5	4.0	30000	1	1.1	2.1	1.74	5000	1080	1/2	10	0	90	1.4	
x 11/6	2350	10.2	40	14	9	2	4	9.5	4.2	36000	1	1.0	2.0	1.84	0000	680	TR	11	0	89	1.0	
	2800	10.2	36	9	4	1	3	9.0	8.6	28000	1	.4	.6	.92	9000	320	TR	11	0	89	1.0	
12/6	3060	10.5	40	11	8	1	4	8.0	8.0	26000	2	.1	.3	.62	7000	1280	TR	14	0	86	1.0	
13/6	3235	10.5	41					8.0+	6.4	26000	1	.3	.6	.63	3000	680	1/4		0		1.0	5.
	3427	10.4	41	14	10	1	3	8.5	6.4	34000	2	.1	.6	.53	5000	680	TR	12	0	88	1.0	5.

NOTICE: The information and data contained herein and all interpretations and/or recommendations made in connection therewith, whether presented orally or written herein or elsewhere, have been carefully prepared and considered, and may be used by the user so elected. However, no guarantees of any kind are made or intended, and any user thereof agrees that IMCO SERVICES shall not be liable for any damages, loss, costs or expenses resulting from the use of same except where due to the gross negligence or willful misconduct of IMCO SERVICES or its agents in the preparation or furnishing of same.

FORM 114 REV. 11-73  
PRINTED IN U.S.A.  
11/12/74



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A Division of HALLIBURTON Company  
2400 West Loop South, P. O. Box 22605  
Houston, Texas 77027 A/C 713 622-5555

## DRILLING MUD TESTS

CONOCO NORWAY

WELL NAME & NO.

10/5-1

IMCO REPRESENTATIVE Verret/Stansbury

TYPE MUD INPAC - RD-555

Page 2

CASING	HOLE SIZE	NO. BITS	NO. DAYS
30 @ 603	36	2	2
20 @ 1603	26	1	1
@			
@			
@			

API WELL NO.	STATE	COUNTY	WELL	S/T
FIELD		COUNTY	STATE	
10/5		NORTH SEA	NORWAY	
CONTRACTOR			Sec.	T
ROWAN-NORJARL				

DATE	DEPTH ft	WEIGHT [ lbs/gal ] lbs/cu ft	VISCOSITY sec	PLASTIC VIS	YIELD VALUE lbs/100 ft <sup>2</sup>	GEL STRENGTH 105 10'	pH	FILTRATE ml	H <sup>2</sup> O HP FIL RATE Kppm	CAKE 32nd IN.	ALKALINITY			SOLIDS [ ] EPFLOPIDE [ ] ppm [ ] gpa	CALCIUM ION ppm	SAND % VOL	SOLIDS % VOL	OIL % VOL	WATER CONTENT % VOL	METHYLENE BLUE	
											Pf	Mf	Pm							me/l	lb/bbl
14/6	3720	10.5	41	10	10	7 25	8.5	13	36000	3	.1	1.0	.93	8000	850	TR	14	TR	36	2	10
	4050	10.4 <sup>+</sup>	42	10	8	1 2	8.0	10.4	36000	2	.3	.3	.64	40000	420	TR	14	0	86	2	10
		POLYMER - 3 lb/bbl																			
15/6	4050	10.7	43	13	11	3 6	8.5	10.4	30000	2	.1	.5	.43	38000	580	TR	16	0	84	2	10
		POLYMER - 1 1/2 lb/bbl																			
16/6	4004	10.7	43	13	11	3 6	8.5	10.4	30000	2	.1	.5	.43	38000	580	TR	16	0	84	2	10
		POLYMER 1 1/2 lb/bbl																			
17/6	4004	10.1	43	15	12	2 7	10.10	7.22	28000	1	.9	1.7	1.03	1000	880	NIL	10	0	90	1.5	7
		POLYMER 5 1/2 lb/bbl																			
	4200	11.0	33	12	7	1 4	9.0	9.23	35000	2	.7	1.1	1.04	40000	720	TR	18	0	82	1.5	7
		POLYMER 5 lb/bbl																			
18/6	4377	11.0	40	15	8	2 14	9.0	8.03	36000	1	.5	1.0	.33	7000	800	TR	14	0	86	1.5	7
	4735	11.0	40	12	12	2 8	9.0	10.23	20000	2	.3	.6	.43	38000	800	TR	14	0	85	1.6	8
		POLYMER 4 lb/bbl																			
19/6	4945	11.5	43	22	7	4 18	8.0	17	36000	3	.4	.8	.43	38000	700	3/4	16	0	84	2	10
	5225	11.3	40	13	12	5 19	8.5	16	32000	2	.1	.5	.23	2000	320	1/2	15	0	85	2	10
		POLYMER 2 1/2 lb/bbl																			
20/6	5272	11.3	42	13	9	4 13	8.5	15	31000	2	.4	.8	.43	36000	380	1/2	15	0	85	2.5	12.5
	5565	11.5	46	15	8	5 15	10.0	14	34000	2	.8	1.4	.94	40000	440	1/2	20	0	80	3	15
		POLYMER 1 lb/bbl																			
21/6	5692	11.6	45	14	6	3 14	9.5	12	30000	2	.4	.8	.83	4000	440	1/4	20	0	80	3	15
	5790	11.6	47	17	11	2 20	10.0	9.5	30000	2	.8	1.6	1.33	35000	360	1/2	20	0	80	3.5	17.5
		POLYMER 0 lb/bbl - CHANGED TO LIGNO MUD																			
22/6	5801	11.6	48	17	4	1 12	9.5	8.0	30000	2	.5	1.1	.93	35000	280	1/4	20	0	80	3.5	17.5
	5858	11.6	44	18	6	2 15	9.5	9.0	28000	2	.35	1.0	.83	3000	440	1/2	20	0	80	4	20
	5910	11.5	45	18	8	2 15	8.5	7.6	28000	2	.1	.8	.33	35000	400	1/4	19	0	81	4	20

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## DRILLING MUD TESTS

CASING	HOLE SIZE	NO. BITS	NO. DAYS
30 @ 603	36	2	2
20 @ 1635	26	1	1
13 3/8 @ 4004	17 1/2		

IMCO REPRESENTATIVE VERRET/STANSBURY

TYPE MUD RD-555

CONOCO NORWAY

WELL NAME & NO.

10/5-1

A.P.I. WELL NO.	STATE	COUNTY	WELL	S/T

FIELD	COUNTY	STATE
10/5	NORTH SEA	NORWAY

CONTRACTOR	Sec.	T	R

DATE 19 76	DEPTH ft.	WEIGHT <input type="checkbox"/> lbs/gal <input type="checkbox"/> lbs/cu ft	VISCOSITY sec	PLASTIC S-g	YIELD VALUE lbs/100 ft <sup>2</sup>	GEL STRENGTH 10S 1 min	pH	FILTRATE ml	HT-HP FILTRATE Kppm	CAKE 32nd IN.	ALKALINITY			SALT CHLORIDE <input type="checkbox"/> ppm <input type="checkbox"/> ppt	CALCIUM ION ppm	SAND % VOL	SOLIDS % VOL	OIL % VOL	WATER CONTENT % VOL	METHYLENE BLUE	
											PH	M	Fm							me/l	lbs/bbl
23/6	5980	11.6	45	17	8	3 20	3.5	7.6	26000	2	.2	.8	.33	1000	400	1/3	20	0	80	4	20
	6028	11.6	46	17	8	1 12	9.5	8.0	26000	2	.4	1.1	.55	1000	400	1/4	20	0	80	4	20
42/6	6046	11.6	41	16	3	1 6	9.5	7.5	21000	2	.5	1.2	.83	0000	280	1/4	20	0	80	4	20
	6046	11.6	41	16	3	1 6	9.5	7.5	21000	2	.5	1.2	.83	0000	280	1/4	20	0	80	4	10

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PETROLEUM GEOCHEMISTRY STUDY  
SOUTH EGRSUND AND FARSUND BASINS

Well NOCS 10/5-1

Authors:

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Date : 22.03.90

## INTRODUCTION

A total of 132 samples was described from this well, covering the interval 1002 - 1842 m, these being of Upper Cretaceous age to basement. From these a total of thirty-eight lithologies were selected for screening analysis (TOC and Rock-Eval), the results of which were used to select the following for additional analyses:

Thermal extraction/pyrolysis gas chromatography	4 samples
Extraction, MPLC fractionation, saturate and aromatic gas chromatography	4 samples
Vitrinite reflectance microscopy	14 samples
Visual kerogen microscopy	2 samples
Gas chromatography - mass spectrometry	2 samples

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1002.00						0135
	0.13	100	Ca	: w, sil, chk		0135-1L
1008.00						0136
		90	Ca	: w, sil, chk		0136-1L
		10	Ca	: lt gy		0136-2L
1014.00						0137
		90	Ca	: w, sil, chk		0137-1L
		10	Ca	: lt gy		0137-2L
1023.00						0138
		90	Ca	: w, sil, chk		0138-1L
		10	Ca	: lt gy		0138-2L
1032.00						0139
		50	Ca	: w, sil, chk		0139-1L
		50	S/Sst	: w, cem, l		0139-2L
		tr	Other	: glauc		0139-3L
1038.00						0140
		50	Ca	: w, sil, chk		0140-1L
		50	S/Sst	: w, cem, l		0140-2L
		tr	Other	: glauc		0140-3L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1050.00						0141
				75 Sh/Clst: v col		0141-1L
				15 Ca : w, sil, chk		0141-2L
				5 Cont : Coal-ad, dd		0141-3L
				5 S/Sst : w, cem, l		0141-4L
1059.00						0142
				90 Marl : drk gy to m drk gy		0142-1L
				5 Sh/Clst: gy red, calc		0142-2L
				5 Ca : w, sil, chk		0142-3L
1068.00						0143
				100 Marl : drk gy to m drk gy		0143-1L
				tr Sh/Clst: gy red, calc		0143-2L
				tr Ca : w, sil, chk		0143-3L
1080.00						0144
	1.19			100 Marl : drk gy to m drk gy		0144-1L
				tr Sh/Clst: gy red, calc		0144-2L
				tr Ca : w, sil, chk		0144-3L
1083.00						0145
				50 Sh/Clst: blk to drk gy, calc		0145-1L
				50 Marl : m drk gy		0145-2L
				tr Sh/Clst: gy red, calc		0145-3L
				tr Ca : w, sil, chk		0145-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1089.00						0146
				50 Sh/Clst: blk to drk gy, calc		0146-1L
				50 Marl : m drk gy		0146-2L
				tr Sh/Clst: gy red, calc		0146-3L
				tr Ca : w, sil, chk		0146-4L
1095.00						0147
				50 Sh/Clst: blk to drk gy, calc		0147-1L
				50 Marl : m drk gy		0147-2L
				tr Sh/Clst: gy red, calc		0147-3L
				tr Ca : w, sil, chk		0147-4L
1101.00						0148
				50 Sh/Clst: blk to drk gy, calc		0148-1L
				50 Marl : m drk gy		0148-2L
				tr Sh/Clst: gy red, calc		0148-3L
				tr Ca : w, sil, chk		0148-4L
1107.00						0149
				50 Sh/Clst: blk to drk gy, calc		0149-1L
				50 Marl : m drk gy		0149-2L
				tr Sh/Clst: gy red, calc		0149-3L
				tr Ca : w, sil, chk		0149-4L
				tr S/Sst : w, l		0149-5L
1113.00						0150
				50 Sh/Clst: blk to drk gy, calc		0150-1L
				50 Marl : m drk gy		0150-2L
				tr Sh/Clst: gy red, calc		0150-3L
				tr Ca : w, sil, chk		0150-4L
				tr S/Sst : w, l		0150-5L



Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1119.00						0151
				50 Sh/Clst: blk to drk gy, calc		0151-1L
				50 Marl : m drk gy		0151-2L
				tr Sh/Clst: gy red, calc		0151-3L
				tr Ca : w, sil, chk		0151-4L
				tr S/Sst : w, l		0151-5L
1125.00						0152
				50 Sh/Clst: blk to drk gy, calc		0152-1L
				50 Marl : m drk gy		0152-2L
				tr Sh/Clst: gy red, calc		0152-3L
				tr Ca : w, sil, chk		0152-4L
				tr S/Sst : w, l		0152-5L
1131.00						0153
				50 Sh/Clst: blk to drk gy, calc		0153-1L
				50 Marl : m gy to m drk gy		0153-2L
				tr Sh/Clst: gy red, calc		0153-3L
				tr Ca : w, sil, chk		0153-4L
				tr S/Sst : w, l		0153-5L
				tr Other : fos		0153-6L
1137.00						0154
				50 Sh/Clst: blk to drk gy, calc		0154-1L
				50 Marl : m gy to m drk gy		0154-2L
				tr Sh/Clst: gy red, calc		0154-3L
				tr Ca : w, sil, chk		0154-4L
				tr S/Sst : w, l		0154-5L
				tr Other : fos		0154-6L
				tr Cont : Mica-ad		0154-7L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1143.00						0155
				50 Sh/Clst: blk to drk gy, calc		0155-1L
				50 Marl : m gy to m drk gy		0155-2L
				tr Sh/Clst: gy red, calc		0155-3L
				tr Ca : w, sil, chk		0155-4L
				tr S/Sst : w, l		0155-5L
				tr Other : fos		0155-6L
				tr Cont : Mica-ad		0155-7L
1149.00						0156
				50 Sh/Clst: blk to drk gy, calc		0156-1L
				50 Marl : m gy to m drk gy		0156-2L
				tr Sh/Clst: gy red, calc		0156-3L
				tr Ca : w, sil, chk		0156-4L
				tr S/Sst : w, l		0156-5L
				tr Other : fos		0156-6L
				tr Cont : Mica-ad		0156-7L
1155.00						0157
				50 Sh/Clst: blk to drk gy, calc		0157-1L
				50 Marl : m gy to m drk gy		0157-2L
				tr Sh/Clst: gy red, calc		0157-3L
				tr Ca : w, sil, chk		0157-4L
				tr S/Sst : w, l		0157-5L
				tr Other : fos		0157-6L
				tr Cont : Mica-ad		0157-7L
1161.00						0158
				50 Sh/Clst: blk to drk gy, calc		0158-1L
				50 Marl : m gy to m drk gy		0158-2L
				tr Sh/Clst: gy red, calc		0158-3L
				tr Ca : w, sil, chk		0158-4L
				tr S/Sst : w, l		0158-5L
				tr Other : fos		0158-6L
				tr Cont : Mica-ad		0158-7L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1167.00						0159
			100	Sh/Clst: blk to m gy, calc		0159-1L
				tr Ca : w, chk		0159-2L
				tr Ca : drk y brn, dol		0159-3L
1173.00						0160
			95	Sh/Clst: blk to m gy, calc		0160-1L
			5	Other : fos		0160-3L
				tr Ca : w, chk		0160-2L
				tr Cont : Mica-ad, prp, dd		0160-4L
1179.00						0161
			100	Sh/Clst: blk to m gy, calc		0161-1L
				tr Ca : w, chk		0161-2L
				tr Other : fos		0161-3L
				tr Cont : Mica-ad, prp, dd		0161-4L
1185.00						0162
			100	Sh/Clst: blk to m gy, calc		0162-1L
				tr Ca : w, chk		0162-2L
				tr Other : fos		0162-3L
				tr Cont : Mica-ad, prp, dd		0162-4L
1191.00						0163
			100	Sh/Clst: blk to m gy, calc		0163-1L
				tr Ca : w, chk		0163-2L
				tr Other : fos		0163-3L
				tr Cont : Mica-ad, prp, dd		0163-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
1197.00						0164	
		100	Sh/Clst: blk to m gy, calc			0164-1L	
			tr Ca : w, chk			0164-2L	
			tr Other : fos			0164-3L	
			tr Cont : Mica-ad, prp, dd, evap			0164-4L	
1203.00						0165	
	1.36	100	Sh/Clst: blk to m gy, calc			0165-1L	
			tr Ca : w, chk			0165-2L	
			tr Other : fos			0165-3L	
			tr Cont : Mica-ad, prp, dd, evap			0165-4L	
1209.00						0166	
		100	Sh/Clst: blk to m gy, calc			0166-1L	
			tr Ca : w, chk			0166-2L	
			tr Other : fos			0166-3L	
			tr Cont : Mica-ad, prp, dd, evap			0166-4L	
1215.00						0167	
		100	Sh/Clst: blk to m gy, calc			0167-1L	
			tr Ca : w, chk			0167-2L	
			tr Other : fos			0167-3L	
			tr Cont : Mica-ad, prp, dd, evap			0167-4L	
1221.00						0168	
		95	Sh/Clst: m gy to drk gy, calc			0168-1L	
		5	Sh/Clst: m brn, calc			0168-2L	
			tr Other : fos			0168-3L	

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1227.00						0169
				100 Sh/Clst: m gy to drk gy, calc		0169-1L
				tr Sh/Clst: m brn, calc		0169-2L
				tr Other : fos		0169-3L
1233.00						0170
				100 Sh/Clst: m gy to drk gy, calc		0170-1L
				tr Sh/Clst: m brn, calc		0170-2L
				tr Other : fos		0170-3L
1239.00						0171
				50 Sh/Clst: m gy to drk gy, calc		0171-1L
				50 S/Sst : w, f, l		0171-2L
1245.00						0172
				100 Sh/Clst: m gy to drk gy, calc		0172-1L
				tr Sh/Clst: m brn, calc		0172-2L
				tr Other : pyr, fos, glauc		0172-3L
				tr Cont : prp, evap		0172-4L
1251.00						0173
				100 Sh/Clst: m gy to drk gy, calc		0173-1L
				tr Sh/Clst: m brn, calc		0173-2L
				tr Other : pyr, fos, glauc		0173-3L
				tr Cont : prp, evap		0173-4L
1257.00						0174
				100 Sh/Clst: m gy to drk gy, calc		0174-1L
				tr Sh/Clst: m brn, calc		0174-2L
				tr Other : pyr, fos, glauc		0174-3L
				tr Cont : prp, evap		0174-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1265.00						0175
				70 Sh/Clst: m gy to drk gy, calc		0175-1L
				30 S/Sst : w, f, l		0175-2L
				tr Other : pyr, glauc		0175-3L
				tr Cont : prp		0175-4L
1272.00						0176
				50 Sh/Clst: m gy to drk gy, calc		0176-1L
				50 S/Sst : w, f, l		0176-2L
				tr Other : pyr, glauc		0176-3L
				tr Cont : prp		0176-4L
1278.00						0177
				60 Sh/Clst: m gy to drk gy, calc		0177-1L
				40 S/Sst : w, f, l		0177-2L
				tr Other : pyr, glauc		0177-3L
				tr Cont : prp		0177-4L
1290.00						0178
	1.08	100		Sh/Clst: m gy to drk gy, calc		0178-1L
				tr Sh/Clst: m brn, calc		0178-2L
				tr Cont : prp, evap		0178-3L
				tr Other : fos		0178-4L
1296.00						0179
				60 Sh/Clst: m gy to drk gy, calc		0179-1L
				40 S/Sst : w, f, l		0179-2L
				tr Other : pyr, glauc		0179-3L
				tr Cont : prp		0179-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1302.00						0180
				50 Sh/Clst: m gy to drk gy, calc		0180-1L
				50 S/Sst : w, f, l		0180-2L
				tr Sh/Clst: gy red, m brn, calc		0180-3L
				tr Cont : Mica-ad, prp, evap		0180-4L
				tr Other : pyr		0180-5L
1308.00						0181
				80 Sh/Clst: m gy to drk gy, calc		0181-1L
				20 S/Sst : w, f, l		0181-2L
				tr Sh/Clst: gy red, m brn, calc		0181-3L
				tr Cont : Mica-ad, prp, evap		0181-4L
				tr Other : pyr, glauc		0181-5L
1314.00						0182
				100 Sh/Clst: m gy to drk gy, calc		0182-1L
				tr S/Sst : w, f, l		0182-2L
				tr Sh/Clst: gy red, m brn, calc		0182-3L
				tr Cont : Mica-ad, prp, evap		0182-4L
				tr Other : pyr, glauc		0182-5L
1320.00						0183
	0.78			100 Sh/Clst: m gy to drk gy, calc		0183-1L
				tr S/Sst : w, f, l		0183-2L
				tr Sh/Clst: gy red, m brn, calc		0183-3L
				tr Cont : Mica-ad, prp, evap		0183-4L
				tr Other : pyr, glauc		0183-5L
1326.00						0184
				100 Sh/Clst: m gy to drk gy, calc		0184-1L
				tr S/Sst : w, f, l		0184-2L
				tr Sh/Clst: gy red, m brn, calc		0184-3L
				tr Cont : Mica-ad, prp, evap		0184-4L
				tr Other : pyr, glauc		0184-5L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1332.00						0185
	0.83	70	Sh/Clst:	m gy to drk gy, calc		0185-1L
		20	Ca	: dsk y brn		0185-2L
		10	Sh/Clst:	gy red, m brn, calc		0185-3L
		tr	Cont	: Coal-ad, prp		0185-4L
1338.00						0186
		60	Sh/Clst:	m gy to drk gy, calc		0186-1L
		20	S/Sst	: w, f, l		0186-4L
		10	Ca	: dsk y brn		0186-2L
		10	Sh/Clst:	gy red, m brn, calc		0186-3L
1344.00						0187
	0.68	90	Sh/Clst:	m gy to drk gy, calc		0187-1L
		10	S/Sst	: w, f, l		0187-3L
		tr	Sh/Clst:	gy red, m brn, calc		0187-2L
1350.00						0188
	0.85	90	Sh/Clst:	m gy to drk gy, calc		0188-1L
		10	S/Sst	: w, f, l		0188-3L
		tr	Sh/Clst:	gy red, m brn, calc		0188-2L
1359.00						0189
	0.94	90	Sh/Clst:	m gy to drk gy, calc		0189-1L
		10	S/Sst	: w, f, l		0189-3L
		tr	Sh/Clst:	gy red, m brn, calc		0189-2L
		tr	Other	: fos		0189-4L



Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1365.00						0190
	0.85	90	Sh/Clst:	m gy to drk gy, calc		0190-1L
		10	S/Sst	: w, f, l		0190-3L
		tr	Sh/Clst:	gy red, m brn, calc		0190-2L
		tr	Other	: fos		0190-4L
1371.00						0191
	0.76	95	Sh/Clst:	m gy to drk gy, calc		0191-1L
		5	S/Sst	: w, f, l		0191-3L
		tr	Sh/Clst:	gy red, m brn, calc		0191-2L
		tr	Other	: fos		0191-4L
1377.00						0192
	0.81	95	Sh/Clst:	m gy to drk gy, calc		0192-1L
		5	S/Sst	: w, f, l		0192-3L
		tr	Sh/Clst:	gy red, m brn, calc		0192-2L
		tr	Other	: fos		0192-4L
1383.00						0193
	0.76	100	Sh/Clst:	m gy to drk gy, calc		0193-1L
		tr	Sh/Clst:	gy red, m brn, calc		0193-2L
		tr	S/Sst	: w, f, l		0193-3L
		tr	Other	: fos		0193-4L
1389.00						0194
	0.85	100	Sh/Clst:	m gy to drk gy, calc		0194-1L
		tr	Sh/Clst:	gy red, m brn, calc		0194-2L
		tr	S/Sst	: w, f, l		0194-3L
		tr	Other	: fos		0194-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1395.00						0195
	0.87	100		Sh/Clst: m gy to drk gy, calc tr Sh/Clst: gy red, m brn, calc tr S/Sst : w, f, l tr Other : fos		0195-1L 0195-2L 0195-3L 0195-4L
1401.00						0196
	0.95	100		Sh/Clst: m gy to drk gy, calc tr Other : pyr, fos tr Cont : prp, evap		0196-1L 0196-2L 0196-3L
1407.00						0197
	1.05	100		Sh/Clst: m gy to drk gy, calc tr Other : pyr, fos tr Cont : prp, evap		0197-1L 0197-2L 0197-3L
1413.00						0198
	1.04	100		Sh/Clst: m gy to drk gy, calc tr Other : pyr, fos tr Cont : prp, evap		0198-1L 0198-2L 0198-3L
1419.00						0199
	1.29	100		Sh/Clst: m gy to drk gy, calc tr Other : pyr, fos tr Cont : prp, evap		0199-1L 0199-2L 0199-3L
1425.00						0200
	1.38	100		Sh/Clst: m gy to drk gy, calc tr Other : pyr, fos tr Cont : prp, evap		0200-1L 0200-2L 0200-3L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1431.00						0201
	1.44	100		Sh/Clst: m gy to drk gy, calc		0201-1L
				tr Other : pyr, fos		0201-2L
				tr Cont : prp, evap		0201-3L
1437.00						0202
	1.61	100		Sh/Clst: m gy to drk gy, calc		0202-1L
				tr Other : pyr, fos		0202-2L
				tr Cont : prp, evap		0202-3L
1443.00						0203
	1.67	100		Sh/Clst: m gy to drk gy, calc		0203-1L
				tr Other : pyr, fos		0203-2L
				tr Cont : prp, evap		0203-3L
1449.00						0204
	1.85	100		Sh/Clst: m gy to drk gy, calc		0204-1L
				tr Other : pyr, fos		0204-2L
				tr Cont : prp, evap		0204-3L
1455.00						0205
	1.53	100		Sh/Clst: drk gy		0205-1L
1461.00						0206
	1.86	100		Sh/Clst: drk gy		0206-1L
				tr Cont : prp, evap		0206-2L
				tr Other : pyr, fos		0206-3L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1467.00						0207
		1.52	100	Sh/Clst: drk gy tr Cont : prp, evap tr Other : pyr, fos		0207-1L 0207-2L 0207-3L
1473.00						0208
		2.13	100	Sh/Clst: drk gy tr Cont : prp, evap tr Other : pyr, fos tr S/Sst : w, l		0208-1L 0208-2L 0208-3L 0208-4L
1479.00						0209
	cvd		95	Sh/Clst: drk gy 5 S/Sst : w, l		0209-1L 0209-2L
1485.00						0210
	cvd		50	Sh/Clst: drk gy 50 S/Sst : w, cem, l tr Cont : dd		0210-1L 0210-2L 0210-3L
1491.00						0211
	cvd		60	S/Sst : w, cem, l 40 Sh/Clst: drk gy tr Cont : dd		0211-2L 0211-1L 0211-3L
1497.00						0212
	cvd		70	Sh/Clst: drk gy 30 S/Sst : w, mic, cem, l tr Cont : dd, evap tr Other : pyr		0212-1L 0212-2L 0212-3L 0212-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1503.00						0213
	cvd			80 Sh/Clst: drk gy 20 S/Sst : w, mic, cem, l tr Cont : dd, evap tr Other : pyr		0213-1L 0213-2L 0213-3L 0213-4L
1509.00						0214
	cvd			90 Sh/Clst: drk gy 10 S/Sst : w, mic, cem, l tr Cont : dd, evap tr Other : pyr		0214-1L 0214-2L 0214-3L 0214-4L
1515.00						0215
	cvd			90 S/Sst : y to w, l 10 Sh/Clst: drk gy		0215-2L 0215-1L
1521.00						0216
	cvd			80 Sh/Clst: drk gy 20 S/Sst : y to w, l		0216-1L 0216-2L
1527.00						0217
	cvd			50 Sh/Clst: drk gy 50 S/Sst : y to w, l		0217-1L 0217-2L
1533.00						0218
	cvd	0.02	100	S/Sst : v col, crs, l tr Sh/Clst: drk gy		0218-1L 0218-2L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1539.00						0219
	cvd		100	S/Sst : v col, crs, l tr Sh/Clst: drk gy		0219-1L 0219-2L
1545.00						0220
	cvd		50	S/Sst : v col, crs, l 50 Sh/Clst: gy red tr Sh/Clst: drk gy		0220-1L 0220-2L 0220-3L
1551.00						0221
	cvd		100	S/Sst : v col, l tr Sh/Clst: gy red tr Sh/Clst: drk gy		0221-1L 0221-2L 0221-3L
1557.00						0222
	cvd	0.07	100	S/Sst : v col, l tr Sh/Clst: gy red tr Sh/Clst: drk gy		0222-1L 0222-2L 0222-3L
1563.00						0223
	cvd		70	S/Sst : v col, l 30 Sh/Clst: gy red, slt tr Sh/Clst: drk gy tr Other : pyr		0223-1L 0223-2L 0223-3L 0223-4L
1569.00						0224
	cvd		70	S/Sst : v col, l 30 Sh/Clst: gy red, slt tr Sh/Clst: drk gy tr Other : pyr		0224-1L 0224-2L 0224-3L 0224-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1575.00						0225
	cvd			40 Sh/Clst: gy red, slt 30 S/Sst : v col, l 30 Sh/Clst: drk gy tr Other : pyr		0225-2L 0225-1L 0225-3L 0225-4L
1581.00						0226
	cvd			50 S/Sst : v col, l 30 Sh/Clst: gy red, slt 20 Sh/Clst: drk gy tr Other : pyr		0226-1L 0226-2L 0226-3L 0226-4L
1587.00						0227
	cvd			70 Sh/Clst: gy red, m brn, dsk y brn 25 S/Sst : v col, l 5 Sh/Clst: drk gy		0227-2L 0227-1L 0227-3L
1593.00						0228
				100 S/Sst : v col		0228-1L
1599.00						0229
	cvd			40 Sh/Clst: drk gy 30 Ca : w, chk 30 Sh/Clst: gy red, m brn, dsk y brn		0229-3L 0229-1L 0229-2L
1608.00						0230
	cvd			40 Sh/Clst: drk gy 30 Ca : w, chk 30 Sh/Clst: gy red, m brn, dsk y brn		0230-3L 0230-1L 0230-2L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1614.00						0231
	cvd		70	Sh/Clst: drk gy		0231-3L
			20	Ca : w, chk		0231-1L
			10	Sh/Clst: gy red, m brn, dsk y brn		0231-2L
1620.00						0232
	cvd		40	Ca : w to y gy, chk		0232-1L
			30	Sh/Clst: gy red, m brn, dsk y brn		0232-2L
			30	Sh/Clst: drk gy		0232-3L
1626.00						0233
	cvd		70	Ca : w to y gy, chk		0233-1L
			15	Sh/Clst: gy red, m brn, dsk y brn		0233-2L
			15	Sh/Clst: drk gy		0233-3L
1632.00						0234
	cvd		80	Ca : w to y gy, chk		0234-1L
			15	Sh/Clst: drk gy		0234-3L
			5	Sh/Clst: gy red, m brn, dsk y brn		0234-2L
1638.00						0235
	cvd		90	Ca : w to y gy, chk		0235-1L
			5	Sh/Clst: gy red, m brn, dsk y brn		0235-2L
			5	Sh/Clst: drk gy		0235-3L
1644.00						0236
	cvd		100	Ca : w to y gy, chk		0236-1L
			tr	Sh/Clst: gy red		0236-2L
			tr	Sh/Clst: drk gy		0236-3L
			tr	S/Sst : v col, l		0236-4L



Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology	description	
1650.00						0237
	cvd		100	Ca : w to y gy, chk		0237-1L
				tr Sh/Clst: gy red		0237-2L
				tr Sh/Clst: drk gy		0237-3L
				tr S/Sst : v col, l		0237-4L
1656.00						0238
	cvd		100	Ca : w to y gy, chk		0238-1L
				tr Sh/Clst: gy red		0238-2L
				tr Sh/Clst: drk gy		0238-3L
				tr S/Sst : v col, l		0238-4L
1662.00						0239
	cvd		100	Ca : w to y gy, chk		0239-1L
				tr Sh/Clst: gy red		0239-2L
				tr Sh/Clst: drk gy		0239-3L
				tr S/Sst : v col, l		0239-4L
1668.00						0240
	cvd		100	Ca : w to y gy, chk		0240-1L
				tr Sh/Clst: gy red		0240-2L
				tr Sh/Clst: drk gy		0240-3L
				tr S/Sst : v col, l		0240-4L
1671.00						0241
	cvd		100	Ca : w to y gy, chk		0241-1L
				tr Sh/Clst: gy red		0241-2L
				tr Sh/Clst: drk gy		0241-3L
				tr S/Sst : v col, l		0241-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1677.00						0242
			100 Ca	: w to y gy, chk		0242-1L
1683.00						0243
			100 Ca	: w to y gy, chk		0243-1L
1689.00						0244
			100 Ca	: w to y gy, chk		0244-1L
1695.00						0245
			100 Ca	: w to y gy, chk		0245-1L
1701.00						0246
	0.46		100 Ca	: w to y gy, chk		0246-1L
1707.00						0247
			100 Ca	: w to y gy, chk		0247-1L
1713.00						0248
	cvd		100 Ca	: y gy to lt gy		0248-1L
			tr Sh/Clst:	drk gy		0248-2L
			tr Cont	: evap		0248-3L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1719.00						0249
	cvd		100	Ca : y gy to lt gy tr Sh/Clst: drk gy tr Cont : evap		0249-1L 0249-2L 0249-3L
1725.00						0250
	cvd		100	Ca : y gy to lt gy tr Sh/Clst: drk gy tr Cont : evap tr Coal : blk		0250-1L 0250-2L 0250-3L 0250-4L
1731.00						0251
	cvd		90	Other : lt gy, evap 10 Ca : y gy to lt gy tr Sh/Clst: drk gy		0251-2L 0251-1L 0251-3L
1737.00						0252
			70	Sh/Clst: drk gy 10 Ca : y gy to lt gy 10 Other : lt gy, evap 10 Sh/Clst: gy red		0252-3L 0252-1L 0252-2L 0252-4L
1743.00						0253
			80	Other : lt gy, evap 10 Ca : y gy to lt gy 10 Cont : prp, dd tr Sh/Clst: drk gy tr Sh/Clst: gy red		0253-2L 0253-1L 0253-3L 0253-4L 0253-5L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
1749.00						0254
				80 Other : lt gy, evap		0254-2L
				10 Ca : y gy to lt gy		0254-1L
				10 Cont : prp, dd		0254-3L
				tr Sh/Clst: drk gy		0254-4L
				tr Sh/Clst: gy red		0254-5L
1755.00						0255
	cvd			50 Sh/Clst: drk gy		0255-8L
				20 Ca : y gy to lt gy		0255-6L
				20 Other : lt gy, evap		0255-7L
	cvd			10 Sh/Clst: gy red		0255-9L
1764.00						0256
				40 Ca : y gy to lt gy		0256-1L
				40 Other : lt gy, evap		0256-2L
	cvd			20 Sh/Clst: drk gy		0256-3L
	cvd			tr Sh/Clst: gy red		0256-4L
1770.00						0257
				40 Sh/Clst: m gy to drk gy		0257-3L
				30 Sh/Clst: lt brn gy, slt		0257-2L
				20 Ca : y gy to lt gy		0257-1L
				10 Sh/Clst: gy red		0257-4L
1776.00						0258
				40 Sh/Clst: m gy to drk gy		0258-3L
				30 Sh/Clst: lt brn gy, slt		0258-2L
				20 Ca : y gy to lt gy		0258-1L
				10 Sh/Clst: gy red		0258-4L

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample	
Int Cvd	TOC%	%	Lithology description				
1782.00						0259	
	1.63	70	Sh/Clst: m gy to drk gy			0259-3L	
		10	Ca : y gy to lt gy			0259-1L	
		10	Sh/Clst: lt brn gy, slt			0259-2L	
		10	Sh/Clst: gy red			0259-4L	
1788.00						0260	
		60	Sh/Clst: lt brn gy, slt			0260-2L	
		40	Sh/Clst: m gy to drk gy			0260-3L	
		tr	Ca : y gy to lt gy			0260-1L	
		tr	Sh/Clst: gy red			0260-4L	
1794.00						0261	
	1.40	70	Sh/Clst: blk to m gy			0261-3L	
		30	Sh/Clst: lt brn gy, slt			0261-2L	
		tr	Ca : y gy to lt gy			0261-1L	
		tr	Sh/Clst: gy red			0261-4L	
1812.00						0262	
	1.02	50	Sh/Clst: blk to m gy			0262-2L	
	0.19	40	S/Sst : w, crs, l			0262-3L	
		10	Sh/Clst: lt brn gy, slt			0262-1L	
1818.00						0263	
		80	S/Sst : w, crs, l			0263-3L	
		10	Sh/Clst: lt brn gy, slt			0263-1L	
		10	Sh/Clst: blk to m gy			0263-2L	

Table 1 : Lithology description for well NOCS 10/5-1

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1824.00						0264
		100	S/Sst	: v col, crs, ang		0264-3L
			tr Sh/Clst:	lt brn gy, slt		0264-1L
			tr Sh/Clst:	blk to m gy		0264-2L
1836.00						0265
		100	S/Sst	: v col, crs, ang		0265-3L
			tr Sh/Clst:	lt brn gy, slt		0265-1L
			tr Sh/Clst:	blk to m gy		0265-2L
1842.00						0266
	0.09	100	S/Sst	: v col, crs, ang		0266-3L
			tr Sh/Clst:	lt brn gy, slt		0266-1L
			tr Sh/Clst:	blk to m gy		0266-2L
			tr Cont	: dd		0266-4L

Table 2a: Rock-Eval table for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1002.00	cut	Ca : w	0.07	0.04	0.59	0.07	0.13	31	454	0.1	0.64	414	0135-1L
1038.00	com	bulk	0.11	0.15	1.32	0.11	0.29	52	455	0.3	0.42	360	0267-0B
1080.00	cut	Marl : drk gy to m drk gy	0.07	0.11	1.15	0.10	1.19	9	97	0.2	0.39	387	0144-1L
1203.00	cut	Sh/Clst: blk to m gy	0.09	0.43	0.99	0.43	1.36	32	73	0.5	0.17	416	0165-1L
1290.00	cut	Sh/Clst: m gy to drk gy	0.08	0.33	0.86	0.38	1.08	31	80	0.4	0.20	413	0178-1L
1320.00	cut	Sh/Clst: m gy to drk gy	0.06	0.27	0.56	0.48	0.78	35	72	0.3	0.18	416	0183-1L
1332.00	cut	Sh/Clst: m gy to drk gy	0.08	0.37	0.57	0.65	0.83	45	69	0.5	0.18	418	0185-1L
1344.00	cut	Sh/Clst: m gy to drk gy	0.07	0.43	0.52	0.83	0.68	63	76	0.5	0.14	419	0187-1L
1350.00	cut	Sh/Clst: m gy to drk gy	0.05	0.43	0.57	0.75	0.85	51	67	0.5	0.10	420	0188-1L
1359.00	cut	Sh/Clst: m gy to drk gy	0.07	0.47	0.51	0.92	0.94	50	54	0.5	0.13	422	0189-1L
1365.00	cut	Sh/Clst: m gy to drk gy	0.07	0.53	0.44	1.20	0.85	62	52	0.6	0.12	423	0190-1L
1371.00	cut	Sh/Clst: m gy to drk gy	0.03	0.23	0.34	0.68	0.76	30	45	0.3	0.12	417	0191-1L
1377.00	cut	Sh/Clst: m gy to drk gy	0.03	0.21	0.36	0.58	0.81	26	44	0.2	0.13	416	0192-1L
1383.00	cut	Sh/Clst: m gy to drk gy	0.04	0.24	0.57	0.42	0.76	32	75	0.3	0.14	418	0193-1L
1389.00	cut	Sh/Clst: m gy to drk gy	0.03	0.29	0.51	0.57	0.85	34	60	0.3	0.09	418	0194-1L

Table 2a: Rock-Eval table for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1395.00	cut	Sh/Clst: m gy to drk gy	0.03	0.22	0.57	0.39	0.87	25	66	0.3	0.12	421	0195-1L
1401.00	cut	Sh/Clst: m gy to drk gy	0.04	0.27	0.51	0.53	0.95	28	54	0.3	0.13	422	0196-1L
1407.00	cut	Sh/Clst: m gy to drk gy	0.05	0.41	0.51	0.80	1.05	39	49	0.5	0.11	416	0197-1L
1413.00	cut	Sh/Clst: m gy to drk gy	0.05	0.35	0.45	0.78	1.04	34	43	0.4	0.13	421	0198-1L
1419.00	cut	Sh/Clst: m gy to drk gy	0.06	0.49	0.50	0.98	1.29	38	39	0.6	0.11	421	0199-1L
1425.00	cut	Sh/Clst: m gy to drk gy	0.09	0.65	0.50	1.30	1.38	47	36	0.7	0.12	420	0200-1L
1431.00	cut	Sh/Clst: m gy to drk gy	0.07	0.66	0.51	1.29	1.44	46	35	0.7	0.10	421	0201-1L
1437.00	cut	Sh/Clst: m gy to drk gy	0.11	1.15	0.56	2.05	1.61	71	35	1.3	0.09	426	0202-1L
1443.00	cut	Sh/Clst: m gy to drk gy	0.11	0.92	0.53	1.74	1.67	55	32	1.0	0.11	422	0203-1L
1449.00	cut	Sh/Clst: m gy to drk gy	0.09	1.01	0.59	1.71	1.85	55	32	1.1	0.08	426	0204-1L
1455.00	cut	Sh/Clst: drk gy	0.09	0.79	0.49	1.61	1.53	52	32	0.9	0.10	421	0205-1L
1461.00	cut	Sh/Clst: drk gy	0.09	1.16	0.54	2.15	1.86	62	29	1.3	0.07	424	0206-1L
1467.00	cut	Sh/Clst: drk gy	0.08	0.82	0.55	1.49	1.52	54	36	0.9	0.09	421	0207-1L
1473.00	cut	Sh/Clst: drk gy	0.11	1.55	0.76	2.04	2.13	73	36	1.7	0.07	426	0208-1L
1503.00	com	bulk	0.02	0.01	0.80	0.01	0.25	4	320	-	0.67	324	0268-0B



Table 2a: Rock-Eval table for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1533.00	cut	S/Sst : v col	-	0.01	0.28	0.04	0.02	50	1400	-	-	277	0218-1L
1557.00	cut	S/Sst : v col	-	-	0.40	-	0.07	-	571	-	-	259	0222-1L
1701.00	cut	Ca : w to y gy	0.04	0.30	0.31	0.97	0.46	65	67	0.3	0.12	412	0246-1L
1782.00	cut	Sh/Clst: m gy to drk gy	0.21	1.03	0.60	1.72	1.63	63	37	1.2	0.17	425	0259-3L
1794.00	cut	Sh/Clst: blk to m gy	0.24	0.86	0.50	1.72	1.40	61	36	1.1	0.22	424	0261-3L
1812.00	cut	Sh/Clst: blk to m gy	0.17	0.40	0.31	1.29	1.02	39	30	0.6	0.30	420	0262-2L
1812.00	cut	S/Sst : w	0.03	0.02	0.41	0.05	0.19	11	216	0.1	0.60	294	0262-3L
1842.00	cut	S/Sst : v col	0.03	0.02	0.23	0.09	0.09	22	256	0.1	0.60	295	0266-3L

Depth unit of measure: m

NOTE: Depths shown in results tables 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>
1032.00	1038.00	com	0267-0	is composed of:	1032.00	cut	S/Sst : w, cem, l	139-2
					1038.00	cut	S/Sst : w, cem, l	140-2
1485.00	1503.00	com	0268-0	is composed of:	1485.00	cut	S/Sst : w, cem, l	210-2
					1491.00	cut	S/Sst : w, cem, l	211-2
					1497.00	cut	S/Sst : w, mic, cem, l	212-2
					1503.00	cut	S/Sst : w, mic, cem, l	213-2

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1038.00	com	bulk	6.46	47.13	43.86	2.54	0.15	0267-0B
1437.00	cut	Sh/Clst: m gy to drk gy	3.55	15.43	57.21	23.80	1.15	0202-1L
1473.00	cut	Sh/Clst: drk gy	4.77	15.87	62.75	16.61	1.55	0208-1L
1782.00	cut	Sh/Clst: m gy to drk gy	2.41	17.03	68.67	11.89	1.03	0259-3L

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 10/5-1

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
1002.00	cut	Ca : w	5.3	2.9	0.2	0.2	0.2	2.3	0.4	2.5	0.12	0135-1L
1038.00	com	Composite sample - see table 4 e	5.2	3.5	0.3	0.2	0.4	2.6	0.5	3.0	0.33	0267-0B
1080.00	cut	Marl : drk gy to m drk gy	3.7	2.3	0.3	0.2	0.2	1.6	0.5	1.8	1.24	0144-1L
1533.00	cut	S/Sst : v col	7.5	3.2	0.2	0.2	0.3	2.5	0.4	2.8	0.08	0218-1L

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1002.00	cut	Ca : w	542	37	37	37	429	74	467	0135-1L
1038.00	com	Composite sample - see table 4 e	667	57	38	76	496	95	572	0267-0B
1080.00	cut	Marl : drk gy to m drk gy	621	81	54	54	432	135	486	0144-1L
1533.00	cut	S/Sst : v col	426	26	26	40	333	53	373	0218-1L

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1002.00	cut	Ca : w	451.71	31.15	31.15	31.15	358.26	62.31	389.41	0135-1L
1038.00	com	Composite sample - see table 4 e	202.41	17.35	11.57	23.13	150.36	28.92	173.49	0267-0B
1080.00	cut	Marl : drk gy to m drk gy	50.13	6.54	4.36	4.36	34.87	10.90	39.23	0144-1L
1533.00	cut	S/Sst : v col	533.33	33.33	33.33	50.00	416.67	66.67	466.67	0218-1L

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
1002.00	cut	Ca : w	6.90	6.90	6.90	79.31	13.79	86.21	100.00	16.00	0135-1L
1038.00	com	Composite sample - see table 4 e	8.57	5.71	11.43	74.29	14.29	85.71	150.00	16.67	0267-0B
1080.00	cut	Marl : drk gy to m drk gy	13.04	8.70	8.70	69.57	21.74	78.26	150.00	27.78	0144-1L
1533.00	cut	S/Sst : v col	6.25	6.25	9.38	78.13	12.50	87.50	100.00	14.29	0218-1L

Depth unit of measure: m

NOTE: Depths shown in tables 4 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>
1032.00	1038.00	com	0267-0B is composed of:	1032.00	cut	S/Sst : w, cem, l	0139-2L
				1038.00	cut	S/Sst : w, cem, l	0140-2L



Table 5 : Saturated Hydrocarbon Ratios for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
1002.00	cut	Ca : w	0.54	1.48	0.53	0.50	1.06	0135-1L
1038.00	com	bulk	0.65	1.48	0.66	0.66	1.11	0267-0B
1080.00	cut	Marl : drk gy to m drk gy	0.67	1.80	0.68	0.71	1.23	0144-1L
1533.00	cut	S/Sst : v col	0.79	1.02	0.75	0.70	1.16	0218-1L

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	Rc	DBT/P	4/1MDBT	(3+2) /1MDBT	Sample
1002.00	cut	Ca : w	-	-	-	-	-	-	-	-	-	-	0135-1L
1038.00	com	bulk	-	-	-	-	-	-	-	-	-	-	0267-0B
1080.00	cut	Marl : drk gy to m drk gy	-	-	-	-	-	-	-	-	-	-	0144-1L
1533.00	cut	S/Sst : v col	-	-	-	-	-	-	-	-	-	-	0218-1L

Table 7 : Thermal Maturity Data for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
1023.00	cut bulk	0.28	9	0.03	0	-	-	0138-0B
1080.00	cut bulk	0.26	14	0.06	0	-	-	0144-0B
1131.00	cut bulk	0.27	5	0.05	0	-	-	0153-0B
1197.00	cut bulk	0.27	25	0.05	3+4	-	-	0164-0B
1251.00	cut bulk	0.28	20	0.04	0	-	-	0173-0B
1314.00	cut bulk	0.28	24	0.03	3+4	-	-	0182-0B
1377.00	cut bulk	0.28	12	0.04	4	-	-	0192-0B
1431.00	cut bulk	0.28	19	0.05	4+5	-	-	0201-0B
1437.00	cut Sh/Clst: m gy to drk gy	-	-	-	-	4.0	426	0202-1L
1473.00	cut bulk	0.28	19	0.04	3+4	-	-	0208-0B
1473.00	cut Sh/Clst: drk gy	-	-	-	-	3.5-4.0	426	0208-1L
1545.00	cut bulk	NDP	-	-	0	-	-	0220-0B
1608.00	cut bulk	0.32	19	0.04	4	-	-	0230-0B
1677.00	cut bulk	0.28	4	0.02	0	-	-	0242-0B

Table 7 : Thermal Maturity Data for well NOCS 10/5-1

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
1737.00	cut bulk	0.30	13	0.05	4	-	-	0252-0B
1794.00	cut bulk	NDP	-	-	3	-	-	0261-0B

Table 8 : Visual Kerogen Composition Data for well NOCS 10/5-1

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	f	t	L	%	n	s	t	n		o	I	%	n
1437.00	cut	Sh/Clst: m gy to drk gy	10	*	*	*	?	*	*					40	*	*	*		0202-1L			
1473.00	cut	Sh/Clst: drk gy	5		*	*								40			*		0208-1L			

Table 10A: Variation in Triterpane Distribution (peak height) for Well NOCS 10/5-1

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%		
1002.00	Ca	1.44	0.59	0.23	0.84	0.46	0.03	0.15	0.18	0.13	0.53	0.88	0.45	0.12	58.24		0135-1	
1533.00	S/Sst	1.85	0.65	0.23	0.71	0.42	0.04	0.10	0.13	0.09	0.31	0.89	0.41	0.11	58.25		0218-1	

Table 10B: Variation in Sterane Distribution (peak height) for Well NOCS 10/5-1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Ratio8	Ratio9	Ratio10	Sample
1002.00	Ca	0.39	39.19	72.00	0.79	0.77	0.44	0.35	0.56	0.64	2.11	0135-1
1533.00	S/Sst	0.55	41.71	69.65	0.97	0.73	0.40	0.31	0.53	0.72	1.97	0218-1

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

Ratio8:  $r + s / q + r + s + t$

Ratio9:  $q / t$

Ratio10:  $r + s / t$

Table 10C: Raw GCMS triterpane data (peak height) for Well NOCS 10/5-1

Depth unit of measure: m

Depth	Lithology	p	q	r	s	t	a	b	z	c	Sample
		x	d	e	f	g	h	i	j1		
		j2	k1	k2	l1	l2	m1	m2			
1002.00	Ca	160.50	68.66	53.47	29.11	19.12	30.49	43.80	19.84	109.98	0135-1
		3.41	12.04	130.72	17.91	52.33	45.26	4.02	30.08		
		21.57	19.99	12.65	9.39	5.98	8.04	3.67			
1533.00	S/Sst	82.37	38.67	30.38	19.76	12.52	23.27	43.04	12.07	89.81	0218-1
		5.00	8.80	125.75	15.70	50.78	41.06	8.20	29.27		
		20.98	20.99	14.12	10.05	5.68	8.76	4.33			



Table 10D: Raw GCMS sterane data (peak height) for Well NOCS 10/5-1

Depth unit of measure: m

Depth	Lithology	u	v	a	b	c	d	e	f	g	Sample
		h	i	j	k	l	m	n	o		
		p	q	r	s	t					
1002.00	Ca	47.06	20.75	21.83	17.46	6.58	10.63	11.77	11.18	23.00	0135-1
		30.49	21.28	33.51	19.10		3.30	0.00	18.62	16.89	
		18.85	14.99	24.59	24.59	23.26					
1533.00	S/Sst	30.19	13.27	28.45	17.36	5.84	10.80	9.56	9.55	17.86	0218-1
		26.10	11.31	23.39	15.52		3.47	0.00	19.09	12.64	
		14.67	12.57	17.29	17.29	17.57					

Table 10E: Variation in Monoaromatic Sterane Distribution for Well NOCS 10/5-1

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>
1002.00	Ca	0.47	0.38	0.16	0.21	0135-1
1533.00	S/Sst	0.28	0.17	0.14	0.11	0218-1

Ratio1: A1 / A1 + E1  
 Ratio2: B1 / B1 + E1

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

Table 10F: Variation in Triaromatic Sterane Distribution for Well NOCS 10/5-1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
1002.00	Ca	-	-	-	-	-	0135-1
1533.00	S/Sst	-	-	-	-	-	0218-1

Ratio1:  $a1 / a1 + g1$

Ratio2:  $b1 / b1 + g1$

Ratio3:  $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$

Ratio4:  $a1 / a1 + e1 + f1 + g1$

Ratio5:  $a1 / a1 + d1$

Table 10G: Aromatisation of Steranes for Well NOCS 10/5-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
1002.00	Ca	1.00	-	0135-1
1533.00	S/Sst	1.00	-	0218-1

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

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

Table 10H: Raw GCMS monoaromatic sterane data (peak height) for Well NOCS 10/5-1

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	h1	i1	Sample
1002.00	Ca	1.03	0.71	0.48	0.40	1.17	0.00	4.07	0.57	0.00	0135-1
1533.00	S/Sst	0.97	0.50	1.77	1.08	2.49	0.66	3.64	1.71	0.70	0218-1

Table 10I: Raw GCMS trioaromatic sterane data (peak height) for Well NOCS 10/5-1

Depth unit of measure: m

Depth	Lithology	a1	b1	c1	d1	e1	f1	g1	Sample
1002.00	Ca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0135-1
1533.00	S/Sst	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0218-1