

IV. WELL HISTORY

A. General

- 1. Spud date : 5 August, 1970
- 2. Completion date : 25 August, 1970
- 3. Status : Temporarily suspended
- 4. Total depth : 7187 feet
- 5. Re-entered : May 2, 1972
- 6. Completion Date : July 8, 1972
- 7. Status : Plugged and abandoned
- 8. Total Depth : 10,435' (drillers)

B. Contractor and Rig : Glomar Grand Isle

C. Casing:

- 30 inch at 538 feet
- 20 inch at 1303 feet
- 13 3/8" at 3385 feet
- 9 5/8" at 7411'feet

D. Mud Program:

Initial drilling from the sea floor to 1300 feet was with sea water and gel. Below 1300 to 3400 feet the hole was drilled with sea-water - Spersene - XP 20 - Salinex system. From 3400 to TD (7187 feet) fresh water - Spersene - XP - 20 system was used. The re-entry hole (7187 - 10,435') was drilled with fresh water - Spersene - XP-20 system.

H. Testing:

1. Production Test Results

None taken.

2. Formation Interval Test Results

- FIT No. 1 8050', Reverse fire, recovered 5900 cc fluid, water and some mud with a trace of oil. Cl. 250, IH 4000, IF 400, FF 200, FSI 4150, FH 8300.
- FIT No. 2 8865', Reverse fire, recovered 6750 cc fluid, mud and filtrate with scum of oil. Cl 330, Mud weight 9 lbs. filtrate 8.4 lbs, IH 5200, IF 550, FF 150, FSI 4000, FH 5200.
- FIT No. 3 8829', Reverse fire recovered 9750 cc fluid, mud and filtrate, Cl 380, mud weight 9.8 lbs., IH 5200, IF 4100, FF 4000, FSI 4100, FH 5300.
- FIT No. 4 8810', Reverse fire, recovered 8000 cc fluid, mud and filtrate, Cl. 350, mud weight 10.8, IH 5000, IF 300, FF 150, FSI 4100, FH 5100.
- FIT No. 5 9895', Reverse fire recovered 8500 cc fluid; mud, mud weight 10.9 lbs., IH 5600, IF 2300, FF 650, FSI 4500, FH 5700.

REGIONAL PETROLEUM GEOCHEMISTRY
BLOCK 24/12 AND
SURROUNDING AREAS

Well NOCS 25/10-2

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INTRODUCTION

The well NOCS 25/10-2 is situated in the central sector of block 25/10, on the Utsira High close to the Balder field, this block lying immediately east of block 24/12 in the southern part of the Viking Graben, Norwegian North Sea.

A total of 183 samples was collected at the Norwegian Petroleum Directorate in Stavanger. The samples between 1958 m and 3177 m RKB were washed when necessary and lithologically described. The analysed interval is from 2084 m to 3054 m RKB,

From the 183 samples examined, 63 lithologies from 55 samples were selected for screening analysis (TOC and Rock-Eval Pyrolysis). Based on the results of these, the following numbers of samples were selected for further analyses.

Thermal extraction - pyrolysis gas chromatography	17 samples
Extraction, MPLC fractionation, saturated and aromatic hydrocarbon - gas chromatography	4 samples
Vitrinite reflectance microscopy	16 samples
Visual kerogen analysis	15 samples

Gas chromatography - mass spectrometry
of saturated and aromatic hydrocarbons 4 samples

Stable carbon isotope of C₁₅+ fractions 3 samples

Samples lists and tabulated analytical data are displayed in
Appendix 1.

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int Cvd	TOC%	%	Lithology description			
1958.00	ccp					0179
		100	Sh/Clst: lt ol gy			0179-1L
2084.00	ccp					0180
	0.07	100	S/Sst : lt y brn to pl y brn, cem, l			0180-1L
2089.00	ccp					0181
		100	S/Sst : lt y brn to pl y brn, cem, l			0181-1L
2094.00	ccp					0182
	0.04	100	S/Sst : lt y brn to pl y brn, cem			0182-2L
2099.00	ccp					0183
		100	S/Sst : lt y brn to pl y brn, cem, l			0183-1L
2104.00	ccp					0184
	0.03	100	S/Sst : lt y brn to pl y brn, cem			0184-1L
2109.00	ccp					0185
		100	S/Sst : lt y brn to pl y brn, crs, cem, l			0185-1L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2114.00	ccp					0186
	0.04	100	S/Sst	: lt y brn to pl y brn, crs, cem, l		0186-1L
2119.00	ccp					0187
		100	S/Sst	: lt y brn to pl y brn, crs, cem, l		0187-1L
2184.00	ccp					0188
		100	Sh/Clst:	m gy		0188-1L
2189.00	ccp					0189
	0.08	100	S/Sst	: lt gy to m gy, calc, slt, mic		0189-1L
2375.00	ccp					0191
		100	Ca	: lt gy to m gy, s		0191-1L
2377.00	ccp					0190
		100	Sh/Clst:	m gy		0190-1L
2383.00						0001
		70	Ca	: w, chk		0001-1L
		20	Sh/Clst:	m drk gy to m drk gn		0001-3L
	cvd	10	S/Sst	: pl y brn, dol		0001-2L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2389.00						0002
	cvd		80 Ca	: w, chk		0002-1L
			10 S/Sst	: pl y brn, dol		0002-2L
			10 Sh/Clst:	m drk gy to m drk gn		0002-3L
2392.00						0003
	cvd		90 Ca	: w, chk		0003-1L
			10 Sh/Clst:	m drk gy to m drk gn		0003-2L
2398.00						0004
	cvd		100 Ca	: w, chk		0004-1L
			tr Sh/Clst:	m drk gy to m drk gn		0004-2L
2401.00						0005
	cvd		100 Ca	: w, chk		0005-1L
			tr Sh/Clst:	m drk gy to m drk gn		0005-2L
2407.00						0006
	cvd		90 Ca	: w, chk		0006-1L
			10 Sh/Clst:	m drk gy to m drk gn		0006-2L
2413.00						0007
	cvd		90 Ca	: w, chk		0007-1L
			10 Sh/Clst:	m drk gy to m drk gn		0007-2L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2420.00						0008
	cvd		90	Ca : w, chk		0008-1L
			10	Sh/Clst: m drk gy to m drk gn		0008-2L
2423.00						0009
	cvd		90	Ca : w, chk		0009-1L
			10	Sh/Clst: drk gn gy		0009-2L
2429.00						0010
	cvd		90	Ca : w, chk		0010-1L
			10	Sh/Clst: drk gn gy		0010-2L
2432.00						0011
	cvd		90	Ca : w, chk		0011-1L
			10	Sh/Clst: drk gn gy		0011-2L
2438.00						0012
	cvd		90	Ca : w, chk		0012-1L
			10	Sh/Clst: drk gn gy		0012-2L
2444.00						0013
	cvd		90	Ca : w, chk		0013-1L
			10	Sh/Clst: drk gn gy		0013-2L
			tr	Sh/Clst: gy red		0013-3L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2450.00						0014
	cvd			90 Ca : w, chk 10 Sh/Clst: drk gn gy tr Sh/Clst: gy red		0014-1L 0014-2L 0014-3L
2453.00						0015
				70 Ca : w, chk 20 Sh/Clst: drk gn gy 10 S/Sst : w, calc, f		0015-1L 0015-2L 0015-3L
2459.00						0016
	1.41			60 Ca : w, chk 30 Sh/Clst: drk gn gy 10 S/Sst : w, calc, f		0016-1L 0016-2L 0016-3L
2462.00						0017
				70 Ca : w, chk 20 Sh/Clst: drk gn gy 10 S/Sst : w, calc, f		0017-1L 0017-2L 0017-3L
2468.00						0018
				80 Ca : w, chk 10 Sh/Clst: drk gn gy 10 S/Sst : w, calc, f		0018-1L 0018-2L 0018-3L
2474.00						0019
				90 Ca : w, chk 10 Sh/Clst: drk gn gy tr Sh/Clst: brn gy, slt		0019-1L 0019-2L 0019-3L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2481.00						0020
				90 Ca : w, chk		0020-1L
				10 Sh/Clst: drk gn gy		0020-2L
				tr Sh/Clst: brn gy, slt		0020-3L
2484.00						0021
				70 Ca : w, chk		0021-1L
	1.58			20 Sh/Clst: drk gn gy		0021-2L
	1.24			10 Sh/Clst: brn gy, slt		0021-3L
2490.00						0022
				90 Ca : w, chk		0022-1L
				10 Sh/Clst: blk, ol gn, drk gn gy, slt		0022-2L
				tr S/Sst : w, lt gn, calc		0022-3L
2493.00						0023
				80 Ca : w, chk		0023-1L
				20 Sh/Clst: blk, ol gn, drk gn gy, slt		0023-2L
				tr S/Sst : w, lt gn, calc		0023-3L
2499.00						0024
				60 Ca : w, chk		0024-1L
	3.54			40 Sh/Clst: blk, ol gn, drk gn gy, slt		0024-2L
				tr S/Sst : w, lt gn, calc		0024-3L
2505.00						0025
				80 Ca : gy, pi, w, chk		0025-1L
				20 Sh/Clst: ol gy, calc		0025-2L
				tr S/Sst : w, lt gn, calc		0025-3L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2511.00						0026
				80 Ca : gy, pi, w, chk		0026-1L
				20 Sh/Clst: ol gy, calc		0026-2L
				tr S/Sst : w, lt gn, calc		0026-3L
				tr Sh/Clst: gy red, calc, slt		0026-4L
2514.00						0027
				80 Ca : w, chk		0027-1L
	1.02			20 Sh/Clst: gn gy, m gy, calc		0027-2L
				tr S/Sst : w, lt gn, calc, glauc		0027-3L
				tr Sh/Clst: gy red, calc, slt		0027-4L
2520.00						0028
				90 Ca : w, chk		0028-1L
				10 Sh/Clst: gn gy, m gy, calc		0028-2L
				tr S/Sst : w, lt gn, calc		0028-3L
				tr Sh/Clst: gy red, calc, slt		0028-4L
2523.00						0029
				80 Ca : w, chk		0029-1L
				10 Sh/Clst: ol gy, calc		0029-2L
				10 Sh/Clst: gy red, calc, slt		0029-3L
2529.00						0030
				90 Ca : w, s		0030-1L
				10 Sh/Clst: ol gy, gn gy, calc		0030-2L
				tr Sh/Clst: gy red, calc, slt		0030-3L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2535.00						0031
			90	Ca : w, s		0031-1L
			10	Sh/Clst: ol gy, gn gy, calc		0031-2L
			tr	Sh/Clst: gy red, calc, slt		0031-3L
2541.00						0032
			60	Ca : w, s		0032-1L
			30	Sh/Clst: ol gy, calc		0032-2L
			10	Sh/Clst: gy red, calc, slt		0032-3L
2545.00						0033
			90	Ca : w, s		0033-1L
			10	Sh/Clst: ol gy, calc		0033-2L
			tr	Sh/Clst: gy red, calc, slt		0033-3L
			tr	S/Sst : w to pl y brn, calc		0033-4L
2551.00						0034
			90	Ca : pi, w, s		0034-1L
			10	Sh/Clst: gn gy, calc		0034-2L
			tr	Sh/Clst: gy red, calc, slt		0034-3L
2554.00						0035
			90	Ca : pi, w, s		0035-1L
			10	Sh/Clst: gn gy, calc		0035-2L
			tr	Sh/Clst: gy red, calc, slt		0035-3L
2560.00						0036
			90	Ca : pi, w, s		0036-1L
			10	Sh/Clst: gn gy, calc		0036-2L
			tr	Sh/Clst: gy red, calc, slt		0036-3L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2566.00						0037
			90	Ca : pi, w, s		0037-1L
			10	Sh/Clst: gn gy, calc		0037-2L
			tr	Sh/Clst: gy red, calc, slt		0037-3L
			tr	Sh/Clst: brn blk, mic		0037-4L
2572.00						0038
			60	Ca : w to lt gy, s		0038-1L
			40	Sh/Clst: ol gy, calc		0038-2L
			tr	Sh/Clst: gy red, calc, slt		0038-3L
			tr	Sh/Clst: brn blk, mic		0038-4L
2575.00						0039
			70	Ca : w to lt gy, s		0039-1L
			30	Sh/Clst: gn gy, m gy, calc, mic		0039-2L
2581.00						0040
			50	Ca : w to lt gy, slt, mic		0040-1L
			50	Sh/Clst: gn gy, m gy, calc, mic		0040-2L
2584.00						0041
			80	Ca : w to lt gy		0041-1L
			20	S/Sst : w, calc		0041-2L
2590.00						0042
			50	Ca : w to lt gy		0042-1L
			30	Sh/Clst: ol gy, calc, mic		0042-3L
			20	S/Sst : w, calc		0042-2L
			tr	Sh/Clst: gy red		0042-4L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2596.00						0043
			60	Ca : w to lt gy		0043-1L
			30	S/Sst : w, calc		0043-2L
			10	Sh/Clst: ol gy, calc, mic		0043-3L
			tr	Sh/Clst: gy red		0043-4L
2602.00						0044
	0.24		80	Ca : w to lt gy		0044-1L
			20	Sh/Clst: ol gy, calc, mic		0044-2L
			tr	Sh/Clst: gy red		0044-3L
2605.00						0045
			80	Ca : w to lt gy		0045-1L
			20	Sh/Clst: ol gy to m gy, calc, slt		0045-2L
			tr	Sh/Clst: gy red		0045-3L
2612.00						0046
			80	Ca : w to lt gy		0046-1L
			10	Sh/Clst: ol gy to m gy, calc, slt		0046-2L
			10	Sh/Clst: ol blk to drk brn gy, calc, slt, mic		0046-3L
2615.00						0047
	0.24		80	Ca : w to lt gy		0047-1L
			10	Sh/Clst: ol gy to m gy, calc, slt		0047-2L
			10	Sh/Clst: ol blk to drk brn gy, calc, slt, mic		0047-3L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2621.00						0048
		1.25	80	Ca : w to lt gy		0048-1L
			10	Sh/Clst: ol gy to m gy, calc, slt		0048-2L
			10	Sh/Clst: ol blk to drk brn gy, calc, slt, mic		0048-3L
2627.00						0049
		1.10	40	Ca : w to lt gy		0049-1L
			30	S/Sst : w		0049-3L
			20	Sh/Clst: ol gy to m gy, calc		0049-2L
			10	Marl : gy red		0049-4L
			tr	Sltst : ol blk to m drk brn gy, calc, mic		0049-5L
2633.00						0050
		0.22	60	Ca : w to lt gy		0050-1L
			20	S/Sst : w		0050-3L
		0.94	10	Sh/Clst: ol gy to m gy, calc		0050-2L
			10	Marl : gy red		0050-4L
			tr	Sltst : ol blk to m drk brn gy, calc, mic		0050-5L
2636.00						0051
		1.01	60	Ca : w to lt gy		0051-1L
			20	Sh/Clst: ol gy to m gy, calc		0051-2L
			20	S/Sst : w		0051-3L
			tr	Marl : gy red		0051-4L
			tr	Sltst : ol blk to m drk brn gy, calc, mic		0051-5L
2642.00						0052
		1.41	45	Ca : w to lt gy		0052-1L
			25	S/Sst : w		0052-3L
			20	Sh/Clst: ol blk, drk gn gy		0052-2L
			10	Marl : gy red		0052-4L
			tr	Sltst : ol blk to m drk brn gy, calc, mic		0052-5L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2645.00						0053
		0.19	60	Ca	: w to lt gy	0053-1L
		1.31	20	Sh/Clst:	ol blk, drk gn gy	0053-2L
			20	S/Sst	: w	0053-3L
			tr	Marl	: gy red	0053-4L
			tr	Sltst	: ol blk to m drk brn gy, calc, mic	0053-5L
2651.00						0054
		0.13	60	Ca	: w to lt gy	0054-1L
		1.01	30	S/Sst	: w	0054-3L
			10	Sh/Clst:	ol blk, drk gn gy	0054-2L
			tr	Marl	: gy red	0054-4L
			tr	Sltst	: ol blk to m drk brn gy, calc, mic	0054-5L
2657.00						0055
			40	S/Sst	: w	0055-3L
			30	Ca	: w to lt gy	0055-1L
		0.26	20	Marl	: gy red	0055-4L
		0.91	10	Sh/Clst:	gn gy, calc	0055-2L
			tr	Sltst	: ol blk to m drk brn gy, calc, mic	0055-5L
2663.00						0056
		0.09	60	S/Sst	: w	0056-3L
	cvd		30	Ca	: w to lt gy	0056-1L
	cvd		5	Sh/Clst:	gn gy, calc	0056-2L
	cvd		5	Sltst	: ol blk to m drk brn gy, calc, mic	0056-4L
2666.00						0057
		0.12	50	S/Sst	: w	0057-3L
	cvd		30	Ca	: w to lt gy	0057-1L
	cvd		10	Sltst	: ol blk to m drk brn gy, calc, mic	0057-4L
	cvd		5	Sh/Clst:	m gy, calc	0057-2L
	cvd		5	Marl	: gy red	0057-5L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2673.00						0058
		2.29	40	Ca : w to lt gy		0058-1L
			40	S/Sst : w		0058-2L
			10	Sltst : ol blk to m drk brn gy, calc, mic		0058-3L
			10	Marl : gy red		0058-4L
2676.00						0059
		1.84	40	Ca : w to lt gy		0059-1L
			40	S/Sst : w		0059-2L
			10	Sltst : ol blk to m drk brn gy, calc, mic		0059-3L
			10	Marl : gy red		0059-4L
2682.00						0060
	0.09		50	S/Sst : red, mic, crs		0060-2L
cvd			30	Ca : w to lt gy		0060-1L
cvd			10	Sh/Clst: m gy, calc, slt, mic		0060-3L
cvd			10	Marl : gy red, slt, mic		0060-4L
2688.00						0061
	0.10		50	S/Sst : red, mic, crs		0061-2L
cvd			30	Ca : w to lt gy		0061-1L
			10	Sh/Clst: m gy, calc, slt, mic		0061-3L
			10	Marl : gy red, slt, mic		0061-4L
2694.00						0062
	0.90		40	Ca : w to lt gy		0062-1L
cvd			40	S/Sst : red, mic, crs		0062-2L
			10	Sh/Clst: m gy, calc, slt, mic		0062-3L
			10	Marl : gy red, slt, mic		0062-4L
			tr	Sltst : brn gy, mic, dol		0062-5L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2697.00						0063
	cvd	0.08		40 Ca : w to lt gy 40 S/Sst : red, mic, crs 10 Sh/Clst: m gy, calc, slt, mic 10 Marl : gy red, slt, mic tr Sltst : brn gy, mic, dol		0063-1L 0063-2L 0063-3L 0063-4L 0063-5L
2703.00						0064
	cvd			80 S/Sst : brn, red, w, mic, crs 10 Marl : lt gy 10 Ca : w to lt gy		0064-1L 0064-2L 0064-3L
2706.00						0065
	cvd			70 S/Sst : brn, red, w, mic, crs 20 Sh/Clst: red brn, calc, mic 10 Ca : w		0065-1L 0065-2L 0065-3L
2712.00						0066
	cvd	0.68		60 S/Sst : brn, red, w, drk red brn, mic, crs 20 Sh/Clst: red brn, calc, mic 10 Ca : w 10 Sh/Clst: gn gy		0066-1L 0066-2L 0066-3L 0066-4L
2718.00						0067
	cvd			65 S/Sst : brn, red, w, drk red brn, mic, crs 15 Sh/Clst: red brn, calc, mic 10 Ca : w 10 Sh/Clst: gn gy		0067-1L 0067-2L 0067-3L 0067-4L

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Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2724.00						0068
				60 S/Sst : brn, red, w, drk red brn, mic, crs		0068-1L
	cvd			20 Sh/Clst: red brn, calc, mic		0068-2L
				10 Ca : w		0068-3L
				10 Sh/Clst: gn gy to m drk gy, mic		0068-4L
2727.00						0069
				60 S/Sst : brn, red, w, drk red brn, mic, crs		0069-1L
	cvd			20 Sh/Clst: red brn, calc, mic		0069-2L
				10 Ca : w		0069-3L
				10 Sh/Clst: gn gy to m drk gy, mic		0069-4L
2734.00						0070
				60 S/Sst : brn, red, w, drk red brn, mic, crs		0070-1L
	cvd			20 Sh/Clst: red brn, calc, mic		0070-2L
				10 Ca : w		0070-3L
				10 Sh/Clst: gn gy		0070-4L
2737.00						0071
				60 S/Sst : brn, red, w, drk red brn, mic, crs		0071-1L
	cvd			20 Sh/Clst: red brn, calc, mic		0071-2L
				10 Ca : w		0071-3L
				10 Sh/Clst: gn gy		0071-4L
2743.00						0072
				60 S/Sst : brn, red, w, drk red brn, mic, crs		0072-1L
	cvd			20 Sh/Clst: red brn, calc, mic		0072-2L
				10 Ca : w		0072-3L
				10 Sh/Clst: gn gy		0072-4L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2749.00						0073
			60	S/Sst : brn, red, w, drk red brn, mic, crs		0073-1L
	cvd		20	Sh/Clst: red brn, calc, mic		0073-2L
		0.74	10	Ca : w		0073-3L
			10	Sh/Clst: gn gy, m gy, calc		0073-4L
2752.00						0074
			60	S/Sst : brn, red, w, drk red brn, mic, crs		0074-1L
	cvd		20	Sh/Clst: red brn, calc, mic		0074-2L
			10	Ca : w		0074-3L
			10	Sh/Clst: gn gy, m gy, calc		0074-4L
2758.00						0075
			60	S/Sst : brn, red, w, drk red brn, mic, crs		0075-1L
	cvd		20	Sh/Clst: red brn, calc, mic		0075-2L
	cvd		10	Ca : w		0075-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0075-4L
2761.00						0076
			60	S/Sst : brn, red, w, drk red brn, mic, crs		0076-1L
	cvd		20	Sh/Clst: red brn, calc, mic		0076-2L
	cvd		10	Ca : w		0076-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0076-4L
2767.00						0077
			60	S/Sst : brn, red, w, drk red brn, mic, crs		0077-1L
	cvd		20	Sh/Clst: red brn, calc, mic		0077-2L
	cvd		10	Ca : w		0077-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0077-4L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2776.00						0078
			70	S/Sst : brn, red, w, drk red brn, mic, crs		0078-1L
	cvd		10	Sh/Clst: red brn, calc, mic		0078-2L
	cvd		10	Ca : w		0078-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0078-4L
2785.00						0079
			65	S/Sst : brn, red, w, drk red brn, mic, crs		0079-1L
	cvd		20	Sh/Clst: red brn, calc, mic		0079-2L
	cvd		10	Ca : w		0079-3L
	cvd		5	Sh/Clst: gn gy, m gy, calc		0079-4L
2791.00						0080
			80	S/Sst : brn, red, w, drk red brn, mic, crs		0080-1L
	cvd		10	Ca : w		0080-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0080-4L
	cvd		tr	Sh/Clst: red brn, calc, mic		0080-2L
2804.00						0081
			70	S/Sst : brn, red, w, drk red brn, mic, crs		0081-1L
	cvd		10	Sh/Clst: red brn, calc, mic		0081-2L
	cvd		10	Ca : w		0081-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0081-4L
2813.00						0082
			70	S/Sst : brn, red, w, drk red brn, mic, crs		0082-1L
	cvd		20	Sh/Clst: red brn, calc, mic		0082-2L
	cvd		10	Ca : w		0082-3L
	cvd		tr	Sh/Clst: gn gy, m gy, calc		0082-4L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2822.00						0083
			50	S/Sst : brn, red, w, drk red brn, mic, crs		0083-1L
	cvd		30	Sh/Clst: red brn, calc, mic		0083-2L
	cvd		10	Ca : w		0083-3L
			10	Sh/Clst: gn gy, m gy, calc		0083-4L
2828.00						0084
	cvd	0.95	60	Sh/Clst: red brn, calc, mic		0084-2L
			30	S/Sst : brn, red, w, drk red brn, mic, crs		0084-1L
	cvd		10	Ca : w		0084-3L
	cvd		tr	Sh/Clst: gn gy, m gy, calc		0084-4L
2834.00						0085
			60	Sh/Clst: red brn, calc, mic		0085-2L
			30	S/Sst : brn, red, w, drk red brn, mic, crs		0085-1L
	cvd		10	Ca : w		0085-3L
	cvd		tr	Sh/Clst: gn gy, m gy, calc		0085-4L
2843.00						0086
			50	Sh/Clst: red brn, calc, mic		0086-2L
			30	S/Sst : brn, red, w, drk red brn, mic, crs		0086-1L
	cvd		10	Ca : w		0086-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0086-4L
2849.00						0087
			50	Sh/Clst: red brn, calc, mic		0087-2L
			30	S/Sst : brn, red, w, drk red brn, mic, crs		0087-1L
	cvd		10	Ca : w		0087-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0087-4L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2855.00						0088
			40	S/Sst : brn, red, w, drk red brn, mic, crs		0088-1L
	cvd		40	Sh/Clst: red brn, calc, mic		0088-2L
	cvd		10	Ca : w		0088-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0088-4L
2862.00						0089
			40	S/Sst : brn, red, w, drk red brn, mic, crs		0089-1L
	cvd		40	Sh/Clst: red brn, calc, mic		0089-2L
	cvd		10	Ca : w		0089-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0089-4L
2868.00						0090
			50	S/Sst : brn, red, w, drk red brn, mic, crs		0090-1L
	cvd		30	Sh/Clst: red brn, calc, mic		0090-2L
	cvd		10	Ca : w		0090-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0090-4L
2877.00						0091
			40	S/Sst : brn, red, w, drk red brn, mic, crs		0091-1L
	cvd		40	Sh/Clst: red brn, calc, mic		0091-2L
	cvd		10	Ca : w		0091-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0091-4L
2885.00						0092
			40	S/Sst : brn, red, w, drk red brn, mic, crs		0092-1L
	cvd		40	Sh/Clst: red brn, calc, mic		0092-2L
	cvd		10	Ca : w		0092-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0092-4L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2889.00						0093
			40	S/Sst : brn, red, w, drk red brn, mic, crs		0093-1L
	cvd		40	Sh/Clst: red brn, calc, mic		0093-2L
	cvd		10	Ca : w		0093-3L
	cvd		10	Sh/Clst: gn gy, m gy, calc		0093-4L
2895.00						0094
			40	Sh/Clst: red brn, calc, mic		0094-2L
			20	S/Sst : brn, red, w, drk red brn, mic, crs		0094-1L
			20	Other : w, evap		0094-5L
	cvd		10	Ca : w		0094-3L
			10	Sh/Clst: gn gy, m gy, calc		0094-4L
2901.00						0095
			40	Other : w, evap		0095-4L
	0.25		30	Ca : pl y brn to lt gy, dol		0095-6L
			20	Sh/Clst: red brn, mic		0095-1L
			10	Ca : w		0095-3L
			tr	S/Sst : brn, red, w, drk red brn, mic, crs		0095-2L
			tr	Sh/Clst: m gy, calc		0095-5L
2907.00						0096
			40	Other : w, evap		0096-4L
	0.23		30	Ca : pl y brn to lt gy, dol		0096-6L
			20	Sh/Clst: red brn, mic		0096-1L
			10	Ca : w		0096-3L
			tr	S/Sst : brn, red, w, drk red brn, mic, crs		0096-2L
			tr	Sh/Clst: m gy, calc		0096-5L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2910.00						0097
	0.20		40	Other : w, evap		0097-4L
			30	Ca : pl y brn to lt gy, dol		0097-6L
			20	Sh/Clst: red brn, mic		0097-1L
			10	Ca : w		0097-3L
			tr	S/Sst : brn, red, w, drk red brn, mic, crs		0097-2L
			tr	Sh/Clst: m gy, calc		0097-5L
2916.00						0098
	0.30		70	Other : w, evap		0098-2L
			20	Ca : pl y brn to lt gy, dol		0098-4L
			10	Sh/Clst: red brn, mic		0098-1L
			tr	Sh/Clst: lt gy, calc		0098-3L
2919.00						0099
	0.36		50	Other : w, evap		0099-2L
			40	Ca : pl y brn to lt gy, dol		0099-3L
			10	Sh/Clst: red brn, gn, mic		0099-1L
2926.00						0100
	0.43		50	Other : w, evap		0100-2L
			40	Ca : pl y brn to lt gy, dol		0100-3L
			10	Sh/Clst: red brn, gn, mic		0100-1L
2929.00						0101
	0.19		60	Ca : pl y brn to lt gy, dol		0101-3L
			30	Other : w, evap		0101-2L
			10	Sh/Clst: red brn, gn, mic		0101-1L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2935.00						0102
	0.29	60	Ca	: pl y brn to lt gy, dol		0102-3L
		30	Other	: w, evap		0102-2L
		10	Sh/Clst:	red brn, gn, mic		0102-1L
2938.00						0103
		80	Other	: w, evap		0103-2L
		10	Sh/Clst:	red brn, gn, mic		0103-1L
		10	Ca	: pl y brn to lt gy, dol		0103-3L
2944.00						0104
		40	Sh/Clst:	red brn, mic		0104-1L
		30	Ca	: pl y brn to lt gy, dol		0104-3L
	0.27	20	Other	: w, evap		0104-2L
		10	Sltst	: lt gy, calc		0104-5L
		tr	Sh/Clst:	gn gy		0104-4L
2947.00						0105
	0.80	40	Ca	: pl y brn to lt gy, dol		0105-3L
		30	Sh/Clst:	red brn, mic		0105-1L
		20	Other	: w, evap		0105-2L
	0.39	10	Sltst	: lt gy, calc		0105-5L
		tr	Sh/Clst:	gn gy		0105-4L
2953.00						0106
	0.19	40	Other	: w, evap		0106-2L
		40	Ca	: pl y brn to lt gy, dol		0106-3L
		20	Sh/Clst:	red brn, mic		0106-1L
		tr	Sh/Clst:	gn gy		0106-4L
		tr	Sltst	: lt gy, calc		0106-5L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2956.00						0107
		0.47		70 Other : w, evap 10 Sh/Clst: red brn, mic 10 Ca : pl y brn to lt gy, dol 10 Sltst : lt gy, calc tr Sh/Clst: gn gy		0107-2L 0107-1L 0107-3L 0107-5L 0107-4L
2962.00						0108
				80 Other : w, evap 10 Sh/Clst: red brn, mic 10 Ca : pl y brn to lt gy, dol tr Sh/Clst: gn gy		0108-2L 0108-1L 0108-3L 0108-4L
2965.00						0109
		0.54		80 Ca : pl y brn to lt gy, dol 10 Sh/Clst: red brn, mic 10 Other : w, evap tr Sh/Clst: gn gy		0109-3L 0109-1L 0109-2L 0109-4L
2971.00						0110
		0.61		80 Ca : pl y brn to lt gy, dol 10 Sh/Clst: red brn, mic 10 Other : w, evap tr Sh/Clst: gn gy		0110-3L 0110-1L 0110-2L 0110-4L
2974.00						0111
				80 Ca : pl y brn to lt gy, dol 10 Sh/Clst: red brn, mic 10 Other : w, evap tr Sh/Clst: gn gy tr Sh/Clst: gy blk, mic		0111-3L 0111-1L 0111-2L 0111-4L 0111-5L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
2980.00						0112
	0.39	80	Ca	: pl y brn to lt gy, dol		0112-3L
		10	Sh/Clst:	red brn, mic		0112-1L
		10	Other	: w, evap		0112-2L
		tr	Sh/Clst:	gn gy		0112-4L
		tr	Sh/Clst:	gy blk, mic		0112-5L
2983.00						0113
	3.95	80	Ca	: pl y brn to lt gy, dol		0113-3L
		10	Sh/Clst:	gy blk, mic		0113-4L
		5	Sh/Clst:	red brn, mic		0113-1L
		5	Other	: w, evap		0113-2L
2990.00						0114
	0.52	80	Ca	: pl y brn to lt gy, dol		0114-3L
	4.71	10	Sh/Clst:	gy blk, mic		0114-4L
		5	Sh/Clst:	red brn, mic		0114-1L
		5	Other	: w, evap		0114-2L
2993.00						0115
	4.95	80	Ca	: pl y brn to lt gy, dol		0115-3L
		10	Sh/Clst:	gy blk, mic		0115-4L
		5	Sh/Clst:	red brn, mic		0115-1L
		5	Other	: w, evap		0115-2L
2999.00						0116
		80	Ca	: pl y brn to lt gy, dol		0116-3L
		10	Sh/Clst:	gy blk, mic		0116-4L
		5	Sh/Clst:	red brn, mic		0116-1L
		5	Other	: w, evap		0116-2L

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

Depth unit of measure: m

Depth	Type	Grp	Frm	Age	Trb	Sample
Int	Cvd	TOC%	%	Lithology description		
3002.00						0117
		3.39	80	Ca : pl y brn to lt gy, dol		0117-3L
			10	Sh/Clst: gy blk, mic		0117-4L
			5	Sh/Clst: red brn, mic		0117-1L
			5	Other : w, evap		0117-2L
3002.00	ccp					0173
		2.23	100	Sh/Clst: drk gy to m drk gy		0173-1L
3003.00	ccp					0177
		2.02	100	Sh/Clst: drk gy to m drk gy		0177-1L
3004.00	ccp					0178
		1.91	100	Sh/Clst: drk gy to m drk gy		0178-1L
3005.00	ccp					0176
		1.85	100	Sh/Clst: drk gy to m drk gy		0176-1L
3008.00	ccp					0175
		6.02	100	Sh/Clst: drk gy to m drk gy		0175-1L
3010.00	ccp					0174
		1.05	100	Sh/Clst: drk gy to m drk gy		0174-1L