## I.8 PRODUCTION TESTS

### Wireline Formation Tests

Between the top of the potential reservoir sand at 1836.5 m BDF and TD at 3375 m BDF four runs were made with the Schlumberger Repeat Formation Tester (RFT) at two different stages during the drilling of the well. The tool was equipped with the high resolution Hewlett Packard (HP) crystal gauge.

The first three RFT runs were made in the 12-1/4" hole between the 13-3/8" casing shoe at 1734 m BDF and the 12 1/4" TD at 2743 m BDT. Fifteen pressure readings covering the interval from 1845 to 2702 m BDF were obtained in run no. 1. The readings indicated a water gradient of 0.447 psi/ft for the whole interval (see Fig. I.8.1). In the same run several unsuccessful attempts (due to plugging) were made to obtain a fluid sample from the clean sand interval between 1842.5 and 1855 m BDF. The presence of an oil saturation in this interval had been evidenced by bleeding cores and electric logs indicating a low hydrocarbon saturation. Additional sampling attempts from the same interval were made in run no. 2. Severe plugging and malfunction of the HP gauge were experienced at three points within the interval and the tool was moved down to 1884.5 m BDF. At this point some flow into the sampling chambers was obtained, but the HP gauge still malfunctioned. At surface the sampling chambers were each found to contain about 2 litres of mud filtrate. The tool was redressed and rerun in a last attempt to obtain a sample from the potentially hydrocarbon bearing interval. The upper sample chamber was opened at 1849 m. Flow pressures of 20-25 psi were noted. Some 1800 cc mud contaminated formation water and 100 cc of emulsified hydrocarbons were obtained at surface.

RFT run no. 4 was a pretest run made below the 9-5/8" shoe. With 11 new pressure points it extended the pressure gradient down to 3344 m BDF confirming a very thick aquifer (see Fig. I.8.2).

## Drill Stem Test

Bleeding cores and the interpretation of electric logs had indicated the presence of an oil saturation (possibly only residual oil) in the clean sand interval from 1842.5 to 1855 m BDF. Unsuccessful attempts to recover a fluid sample from this interval still left uncertainty as to whether the oil was producible. It was, therefore, decided to drill stem test the interval 1843 - 1848 m BDF. The mechanical aspects of this test are discussed in the "Drilling History" section.

About 33 barrels of formation water with a trace of oil were recovered in the test. Analyses indicate that some of this water was polluted with brine. However, trustworthy samples were recovered from the drill collars. Table I.8.1 shows an analysis of this water.

The formation pressure indicated by the 31/2-8 DST is in agreement with the RFT results.

| LOG AND RUN No. | DATE | MEASURED | BIT SIZE | BHT °C | MUD | | | | | MUD FILTRATE | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | TYPE | Specific gravity | API wt. | RESISTIVITY SCHLUMBERGER | | RESISTIVITY | |
| | | | | | | | | SURFACE | BHT | | |
| ISF-BHC-GR-SP1 | 20/06/82 | 833-370,5m | $14^3/_4$ | 27,7 | GEL/SEAWATER | 1,35 | | 0,838/15,5 | 0,63/27,7 | 0,61/14,4 | 0,445/27,7 |
| FDC-CNL-GR-CAL 1 | " | 834-469 | " | 28,8 | " | " | | " | 0,616/28,8 | " | 0,435/28,8 |
| BGT-GR1 | 22/06/82 | 816-469 | 26" | | | 1.3 | | | | | |
| BGT-GR2 | 23/06/82 | 834-469 | " | | | 1.65/1.4 | | | | | |
| BGT-GR3 | 24/06/82 | 834-469 | " | | | " | | | | | |
| ISF-BHC-GR-SP2 | 04/07/82 | 1741,5-775,0 | $17^1/_2$ | 43,8 | KCL/Polymer | 1.37 | | 0,095/15,5 | 0,054/43,8 | 0,068/15,5 | 0,038/43,8 |
| FDC-CNL-GR-CAL2 | 05/07/82 | 1742,5-777,0 | " | 42,7 | " | 1.4 | | 0,1/14,4 | 0,056/42,7 | 0,072/14.4 | 0,04/42,7 |
| ISF-BHC-GR-SP3 | 19/07/82 | 2739,5-1735,5 | $12^1/_4$ | 65,5 | Seawater Drispac | | | 0,356/17,7 | 0,16/65,5 | 0,243/17,7 | 0,109/65,5 |
| FDC-CNL-GR-CAL3 | " | 2740,5-1735,0 | " | 70,0 | " | " | | " | 0.153/70 | " | 0,104/70,0 |
| LDL-NGT1 | " | 2736-1735 | " | 77,7 | " | " | | " | 0,141/77,7 | " | 0,096/77,7 |
| DLL-MSFL-GR1 | 20/07/82 | 2729-1735 | " | 82,7 | " | " | | " | 0,134/82,7 | " | 0,091/82,7 |
| HDT1 | " | 2740,5-1735 | " | 86,7 | " | " | | " | 0,135/82.2 | " | 0,092/82,2 |
| RFT1 | " | 2702-1810 | " | 88,8 | " | " | | " | 0,127/88,8 | " | 0,086/88,8 |
| CBL-VDL-CCL-GR1 | 22/07/82 | 1735-469 | $13^3/_8$ 20 | | " | " | | | " | | |
| ISF-BHC-GR-SP4 | 03/08/82 | 3378,5-2732 | $8^1/_2$ | 87,8 | DRISPAC/ LIGNO | " | | 0,331/17,7 | 0 113/93,3 | 0,268/17.7 | 0,091/93,3 |
| FDC-CNL-GR-CAL4 | " | 3379,5-2732 | " | 90,5 | " | " | | " | 0,116/90,5 | " | 0,094/90.5 |
| LDL-CNL-NGT2 | 04/08/82 | 3379 -2732 | " | 103,9 | " | " | | " | " | " | " |
| HDT2 | " | 3379,5-2720 | " | 105 | " | " | | " | " | " | " |
| RFT 4 | " | 3344-2777,5 | " | 108,6 | " | " | | " | 0,1/108 | " | 0,081/108 |
| [illegible] | [illegible] | [illegible] | [illegible] | | | | | | | | |
| | | | | | | | | | | | |
| Also run: | | | | | | | | | | | |
| 3-RFT -sample descent | 20-21/07/82 | (1845m / 1884.5m / 1849m) | | | | | | | | | |
| CST | 05/07/82 | 17 1/2" Hole | | | Attempted: | 30 (1 gun) | | recovered: 29 | | | |
| CST | 22/07/82 | 12 1/4" Hole | | | " | 90 (3 guns) | | :88 | | | |
| CST | 05/08/82 | 8 1/2" Hole | | | " | 60 (2 guns) | | :51 | | | |
| Velocity survey | 04-05/08/82 | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

# GEOCHEMICAL ANALYSES REPORT
# WELL NOCS 31/2-8
# PART 1


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Date : 10.08.1989

## INTRODUCTION

Well NOCS 31/2-8 is situated in the Norwegian sector of the northern part of the North Sea, just north of the western part of the gigant Troll gas field. The well is located, at 60°57'33.02"N and 03°29'49.84"E at a water depth of 346 m. Elevation of Kelly Bushing (KB) above mean sea level was 25 m. All depths are given from KB unless otherwise specified. The total drilled depth was 3375 m. Samples were collected between 1808 m and 3375 m from the Norwegian Petroleum Directorate in Stavanger. A total of 245 samples was collected, (only the cuttings samples were washed when necessary) and described. The analysed section of the well is from 1808 m to 3375 m with sampling interval mostly 6 m for the cuttings samples and about 5 m for the core-chip samples. A careful selection of suitable samples was made for screening analysis (i.e. TOC and Rock-Eval analysis). 109 samples were selected for this analysis, and from the data obtained the samples were chosen for follow-up analyses. These were:

| | |
|---|---|
| Thermal extraction - pyrolysis - gas chromatography | 25 samples |
| Extraction, MPLC fractination, saturated and aromatic hydrocarbon gas chromatography | 12 samples |
| Vitrinite reflectance microscopy | 16 samples |
| Visual kerogen analysis | 19 samples |
| Isotop analysis of C15+ fractions | 6 samples |
| Gas chromatography - mass spectrometry | 6 samples |

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Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 1808.00 | | | | | | | | 0012 |
| | | 1.20 | 75 | Sh/Clst: m gy, calc | | | | 0012-1L |
| | | | 25 | Ca : w | | | | 0012-2L |
| 1820.00 | | | | | | | | 0013 |
| | | 0.12 | 75 | Ca : w | | | | 0013-2L |
| | | | 25 | Sh/Clst: m gy, calc | | | | 0013-1L |
| 1826.00 | | | | | | | | 0014 |
| | cvd | | 70 | Ca : w | | | | 0014-2L |
| | | 2.91 | 20 | Sh/Clst: drk gy, mic | | | | 0014-3L |
| | cvd | | 10 | Sh/Clst: m gy, calc | | | | 0014-1L |
| 1832.00 | | | | | | | | 0015 |
| | | 3.28 | 80 | Sh/Clst: drk gy, mic | | | | 0015-3L |
| | cvd | | 10 | Sh/Clst: m gy, calc | | | | 0015-1L |
| | cvd | | 10 | Ca : w | | | | 0015-2L |
| 1838.00 | | | | | | | | 0016 |
| | cvd | | 80 | Sh/Clst: drk gy, mic | | | | 0016-3L |
| | cvd | | 10 | Sh/Clst: m gy, calc | | | | 0016-1L |
| | cvd | | 10 | Ca : w | | | | 0016-2L |
| | | | tr | S/Sst : lt gy | | | | 0016-4L |
| 1841.80 | ccp | | | | | | | 0001 |
| | | 0.93 | 100 | S/Sst : lt gy, calc, cem | | | | 0001-1L |

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|
| Int Cvd | TOC% | % | Lithology description | | | | |
| 1846.70 | ccp | | | | | | 0002 |
| | 0.80 | 100 | S/Sst | : lt y gy | | | 0002-1L |
| 1851.35 | ccp | | | | | | 0003 |
| | 1.05 | 100 | S/Sst | : lt y gy | | | 0003-1L |
| 1856.45 | ccp | | | | | | 0004 |
| | 0.17 | 100 | Ca | : w, s | | | 0004-1L |
| 1861.34 | ccp | | | | | | 0005 |
| | 1.09 | 100 | Sltst | : lt gy | | | 0005-1L |
| 1866.30 | ccp | | | | | | 0006 |
| | 3.24 | 100 | Sltst | : lt gy, carb, mic | | | 0006-1L |
| 1871.00 | ccp | | | | | | 0007 |
| | 0.71 | 100 | S/Sst | : lt gy, mic | | | 0007-1L |
| 1876.00 | ccp | | | | | | 0008 |
| | 0.78 | 100 | S/Sst | : lt gy, carb, mic, f, cem | | | 0008-1L |
| 1881.00 | ccp | | | | | | 0009 |
| | 1.90 | 100 | Sh/Clst | : lt gy, carb, mic, cem | | | 0009-1L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 1885.70 | | ccp | | | | | | 0010 |
| | | 0.03 | 100 | Ca | | : w, s | | 0010-1L |
| 1888.70 | | ccp | | | | | | 0011 |
| | | 0.12 | 100 | S/Sst | | : w to lt y brn, calc, crs | | 0011-1L |
| 1889.00 | | | | | | | | 0017 |
| | | 0.24 | 80 | S/Sst | | : lt gy, crs, l | | 0017-1L |
| | cvd | | 15 | Sh/Clst | | : lt gy to m gy | | 0017-2L |
| | cvd | | 5 | Ca | | : w | | 0017-3L |
| 1895.00 | | | | | | | | 0018 |
| | | 0.07 | 90 | S/Sst | | : lt gy, crs, l | | 0018-1L |
| | cvd | | 10 | Sh/Clst | | : lt gy to m gy | | 0018-2L |
| | cvd | | tr | Ca | | : w | | 0018-3L |
| 1901.00 | | | | | | | | 0019 |
| | | 0.18 | 90 | S/Sst | | : lt gy, crs, l | | 0019-1L |
| | cvd | | 10 | Sh/Clst | | : lt gy to m gy | | 0019-2L |
| | cvd | | tr | Ca | | : w | | 0019-3L |
| 1907.00 | | | | | | | | 0020 |
| | | | 95 | S/Sst | | : lt gy, crs, l | | 0020-1L |
| | | | 5 | Ca | | : w | | 0020-3L |
| | cvd | | tr | Sh/Clst | | : lt gy to m gy | | 0020-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|
| Int Cvd | TOC% | % | Lithology description | | | | |
| 1913.00 | | | | | | | 0021 |
| | 0.20 | 95 | S/Sst | : lt gy, crs, l | | | 0021-1L |
| | | 5 | Ca | : w | | | 0021-3L |
| cvd | | tr | Sh/Clst | : lt gy to m gy | | | 0021-2L |
| 1919.00 | | | | | | | 0022 |
| | | 95 | S/Sst | : lt gy, crs, l | | | 0022-1L |
| | | 5 | Ca | : w | | | 0022-3L |
| cvd | | tr | Sh/Clst | : lt gy to m gy | | | 0022-2L |
| 1925.00 | | | | | | | 0023 |
| | | 80 | S/Sst | : lt gy, crs, l | | | 0023-1L |
| | | 20 | Ca | : w | | | 0023-3L |
| cvd | | tr | Sh/Clst | : lt gy to m gy | | | 0023-2L |
| 1931.00 | | | | | | | 0024 |
| | 0.09 | 85 | S/Sst | : lt gy, crs, l | | | 0024-1L |
| | | 15 | Ca | : w | | | 0024-3L |
| cvd | | tr | Sh/Clst | : lt gy to m gy | | | 0024-2L |
| 1937.00 | | | | | | | 0026 |
| | | 95 | Sltst | : lt ol gy | | | 0026-4L |
| | | 5 | S/Sst | : lt gy, crs, l | | | 0026-1L |
| cvd | | tr | Sh/Clst | : lt gy to m gy | | | 0026-2L |
| | | tr | Ca | : w | | | 0026-3L |
| 1946.00 | | | | | | | 0025 |
| | | 50 | S/Sst | : lt gy, crs, l | | | 0025-1L |
| | | 25 | Sh/Clst | : lt gy to m gy, calc | | | 0025-2L |
| | | 25 | Ca | : w | | | 0025-3L |

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Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 1952.00 | | | | | | | | 0027 |
| | | 0.10 | 65 | S/Sst | : | lt gy, crs, l | | 0027-1L |
| | | | 20 | Sh/Clst | : | lt gy to m gy, calc | | 0027-2L |
| | | | 15 | Ca | : | w | | 0027-3L |
| 1958.00 | | | | | | | | 0028 |
| | | | 80 | S/Sst | : | lt gy, crs, l | | 0028-1L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0028-2L |
| | | | 10 | Ca | : | w | | 0028-3L |
| 1964.00 | | | | | | | | 0029 |
| | | | 80 | S/Sst | : | lt gy, crs, l | | 0029-1L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0029-2L |
| | | | 10 | Ca | : | w | | 0029-3L |
| 1970.00 | | | | | | | | 0030 |
| | | 0.24 | 70 | Sltst | : | lt ol gy, calc | | 0030-4L |
| | cvd | | 20 | S/Sst | : | lt gy, crs, l | | 0030-1L |
| | cvd | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0030-2L |
| | cvd | | 5 | Ca | : | w | | 0030-3L |
| 1978.00 | | | | | | | | 0031 |
| | | 1.61 | 90 | Sltst | : | ol gy, calc | | 0031-3L |
| | cvd | | 5 | S/Sst | : | lt gy, crs, l | | 0031-1L |
| | cvd | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0031-2L |
| 1985.00 | | | | | | | | 0032 |
| | | 1.72 | 95 | Sltst | : | ol gy, calc | | 0032-3L |
| | cvd | | 5 | S/Sst | : | lt gy, crs, l | | 0032-1L |
| | cvd | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0032-2L |

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 1991.00 | | | | | | | | 0033 |
| | | 0.38 | 80 | S/Sst | : | lt gy, crs, l | | 0033-1L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0033-2L |
| | | | 10 | Ca | : | w | | 0033-4L |
| | | | tr | Sltst | : | ol gy, calc | | 0033-3L |
| 1997.00 | | | | | | | | 0034 |
| | | | 60 | S/Sst | : | lt gy, crs, l | | 0034-1L |
| | | | 20 | Sltst | : | ol gy, calc | | 0034-3L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0034-2L |
| | | | 10 | Ca | : | w | | 0034-4L |
| 2003.00 | | | | | | | | 0035 |
| | | 1.35 | 50 | Sltst | : | ol gy, calc | | 0035-3L |
| | | | 40 | S/Sst | : | lt gy, crs, l | | 0035-1L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0035-2L |
| | | | 5 | Ca | : | w | | 0035-4L |
| 2009.00 | | | | | | | | 0036 |
| | | 0.92 | 90 | Sltst | : | ol gy, calc | | 0036-3L |
| | | | 10 | S/Sst | : | lt gy, crs, l | | 0036-1L |
| | | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0036-2L |
| | | | tr | Ca | : | w | | 0036-4L |
| 2015.00 | | | | | | | | 0037 |
| | | | 50 | Sh/Clst | : | lt gy to m gy, calc | | 0037-2L |
| | | | 35 | S/Sst | : | drk gy to dsk y brn, calc | | 0037-5L |
| | | | 10 | S/Sst | : | lt gy, crs, l | | 0037-1L |
| | | | 5 | Ca | : | w | | 0037-4L |
| | | | tr | Sltst | : | ol gy, calc | | 0037-3L |

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GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2021.00 | | | | | | | | 0038 |
| | | 1.83 | 75 | Sltst | : | ol gy, calc | | 0038-3L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0038-2L |
| | | | 10 | S/Sst | : | drk gy to dsk y brn, calc | | 0038-5L |
| | | | 5 | Ca | : | w | | 0038-4L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0038-1L |
| 2027.00 | | | | | | | | 0039 |
| | | | 60 | Sltst | : | ol gy, calc | | 0039-3L |
| | | 1.63 | 25 | S/Sst | : | drk gy to dsk y brn, calc | | 0039-5L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0039-2L |
| | | | 5 | S/Sst | : | lt gy, crs, l | | 0039-1L |
| | | | tr | Ca | : | w | | 0039-4L |
| 2030.00 | | | | | | | | 0040 |
| | | 2.36 | 75 | Sltst | : | ol gy, calc | | 0040-3L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0040-2L |
| | | | 10 | S/Sst | : | drk gy to dsk y brn, calc | | 0040-5L |
| | | | 5 | S/Sst | : | lt gy, crs, l | | 0040-1L |
| | | | tr | Ca | : | w | | 0040-4L |
| 2042.00 | | | | | | | | 0041 |
| | | 2.03 | 75 | Sltst | : | ol gy, calc | | 0041-3L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0041-2L |
| | | | 10 | S/Sst | : | drk gy to dsk y brn, calc | | 0041-5L |
| | | | 5 | S/Sst | : | lt gy, crs, l | | 0041-1L |
| | | | tr | Ca | : | w | | 0041-4L |
| 2048.00 | | | | | | | | 0042 |
| | | 2.89 | 75 | Sltst | : | ol gy, calc | | 0042-3L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0042-2L |
| | | | 10 | S/Sst | : | drk gy to dsk y brn, calc | | 0042-5L |
| | | | 5 | S/Sst | : | lt gy, crs, l | | 0042-1L |
| | | | tr | Ca | : | w | | 0042-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2054.00 | | | | | | | | 0043 |
| | | 2.12 | 75 | Sltst | : | ol gy, calc | | 0043-3L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0043-2L |
| | | | 10 | S/Sst | : | drk gy to dsk y brn, calc | | 0043-5L |
| | | | 5 | S/Sst | : | lt gy, crs, l | | 0043-1L |
| | | | tr | Ca | : | w | | 0043-4L |
| 2060.00 | | | | | | | | 0044 |
| | | | 75 | Sltst | : | ol gy, calc | | 0044-3L |
| | | | 10 | Sh/Clst | : | lt gy to m gy, calc | | 0044-2L |
| | | | 10 | S/Sst | : | drk gy to dsk y brn, calc | | 0044-5L |
| | | | 5 | S/Sst | : | lt gy, crs, l | | 0044-1L |
| | | | tr | Ca | : | w | | 0044-4L |
| 2066.00 | | | | | | | | 0045 |
| | | 3.95 | 95 | Sltst | : | ol gy, calc | | 0045-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0045-2L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0045-1L |
| | | | tr | S/Sst | : | drk gy to dsk y brn, calc | | 0045-4L |
| 2072.00 | | | | | | | | 0046 |
| | | | 95 | Sltst | : | ol gy, calc | | 0046-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0046-2L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0046-1L |
| | | | tr | S/Sst | : | drk gy to dsk y brn, calc | | 0046-4L |
| 2078.00 | | | | | | | | 0047 |
| | | 3.41 | 95 | Sltst | : | ol gy, calc | | 0047-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0047-2L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0047-1L |
| | | | tr | S/Sst | : | drk gy to dsk y brn, calc | | 0047-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2084.00 | | | | | | | | 0048 |
| | | | 95 | Sltst | : ol gy, calc | | | 0048-3L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0048-2L |
| | | | tr | S/Sst | : lt gy, crs, l | | | 0048-1L |
| | | | tr | S/Sst | : drk gy to dsk y brn, calc | | | 0048-4L |
| 2090.00 | | | | | | | | 0049 |
| | | 3.04 | 95 | Sltst | : ol gy, calc | | | 0049-3L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0049-2L |
| | | | tr | S/Sst | : lt gy, crs, l | | | 0049-1L |
| | | | tr | S/Sst | : drk gy to dsk y brn, calc | | | 0049-4L |
| 2096.00 | | | | | | | | 0050 |
| | | | 95 | Sltst | : ol gy, calc | | | 0050-3L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0050-2L |
| | | | tr | S/Sst | : lt gy, crs, l | | | 0050-1L |
| | | | tr | S/Sst | : drk gy to dsk y brn, calc | | | 0050-4L |
| 2108.00 | | | | | | | | 0051 |
| | | 2.00 | 95 | Sltst | : ol gy, calc | | | 0051-3L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0051-2L |
| | | | tr | S/Sst | : lt gy, crs, l | | | 0051-1L |
| | | | tr | S/Sst | : drk gy to dsk y brn, calc | | | 0051-4L |
| 2114.00 | | | | | | | | 0052 |
| | | | 80 | Sltst | : ol gy, calc | | | 0052-3L |
| | | | 10 | Sh/Clst | : lt gy to m gy, calc | | | 0052-2L |
| | | | 5 | S/Sst | : lt gy, crs, l | | | 0052-1L |
| | | | 5 | Ca | : pl y brn | | | 0052-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2120.00 | | | | | | | | 0053 |
| | | | 70 | Sltst | : | ol gy, calc | | 0053-3L |
| | | 0.71 | 20 | Ca | : | pl y brn | | 0053-4L |
| | | | 5 | S/Sst | : | lt gy, crs, l | | 0053-1L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0053-2L |
| 2126.00 | | | | | | | | 0054 |
| | | | 90 | Sltst | : | ol gy, calc | | 0054-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0054-2L |
| | | | 5 | Ca | : | pl y brn | | 0054-4L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0054-1L |
| 2132.00 | | | | | | | | 0055 |
| | | 2.48 | 90 | Sltst | : | ol gy, calc | | 0055-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0055-2L |
| | | | 5 | Ca | : | pl y brn | | 0055-4L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0055-1L |
| 2138.00 | | | | | | | | 0056 |
| | | | 90 | Sltst | : | ol gy, calc | | 0056-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0056-2L |
| | | | 5 | Ca | : | pl y brn | | 0056-4L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0056-1L |
| 2144.00 | | | | | | | | 0057 |
| | | 2.46 | 95 | Sltst | : | ol gy, calc | | 0057-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0057-2L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0057-1L |
| | | | tr | Ca | : | pl y brn | | 0057-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A.S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2150.00 | | | | | | | | 0058 |
| | | | 95 | Sltst | : | ol gy to drk gy, calc | | 0058-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0058-2L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0058-1L |
| | | | tr | Ca | : | pl y brn | | 0058-4L |
| 2156.00 | | | | | | | | 0059 |
| | | 1.99 | 95 | Sltst | : | ol gy to drk gy, calc | | 0059-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0059-2L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0059-1L |
| | | | tr | Ca | : | pl y brn | | 0059-4L |
| 2162.00 | | | | | | | | 0060 |
| | | | 95 | Sltst | : | ol gy, calc | | 0060-2L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0060-1L |
| | | | tr | Ca | : | pl y brn | | 0060-3L |
| 2168.00 | | | | | | | | 0061 |
| | | 1.41 | 95 | Sltst | : | ol gy, calc | | 0061-2L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0061-1L |
| | | | tr | Ca | : | pl y brn | | 0061-3L |
| 2174.00 | | | | | | | | 0062 |
| | | | 95 | Sltst | : | ol gy, calc | | 0062-2L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0062-1L |
| | | | tr | Ca | : | pl y brn | | 0062-3L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2180.00 | | | | | | | | 0063 |
| | | 1.91 | 95 | Sltst | : | ol gy, calc | | 0063-2L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0063-1L |
| | | | tr | Ca | : | pl y brn | | 0063-3L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0063-4L |
| 2186.00 | | | | | | | | 0064 |
| | | 1.34 | 95 | Sltst | : | ol gy, calc | | 0064-2L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0064-1L |
| | | | tr | Ca | : | pl y brn | | 0064-3L |
| | | | tr | S/Sst | : | lt gy, crs, l | | 0064-4L |
| 2192.00 | | | | | | | | 0065 |
| | | 0.41 | 100 | S/Sst | : | w to lt gy, l | | 0065-2L |
| | | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0065-1L |
| 2198.00 | | | | | | | | 0066 |
| | | | 100 | S/Sst | : | w to lt gy, l | | 0066-2L |
| | | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0066-1L |
| 2204.00 | | | | | | | | 0067 |
| | | 0.16 | 100 | S/Sst | : | w to lt gy to drk gy, l | | 0067-2L |
| | | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0067-1L |
| | | | tr | Cont | : | Mica-ad | | 0067-3L |
| 2210.00 | | | | | | | | 0068 |
| | | | 100 | S/Sst | : | w to lt gy to drk gy, l | | 0068-2L |
| | | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0068-1L |
| | | | tr | Cont | : | Mica-ad | | 0068-3L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2216.00 | | | | | | | | 0069 |
| | | | 80 | Sltst | : ol gy, calc | | | 0069-3L |
| | | | 10 | Sh/Clst | : lt gy to m gy, calc | | | 0069-1L |
| | | | 10 | S/Sst | : w to lt gy to drk gy, l | | | 0069-2L |
| 2222.00 | | | | | | | | 0070 |
| | | 0.49 | 95 | S/Sst | : w to lt gy to drk gy, l | | | 0070-2L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0070-1L |
| | | | tr | Sltst | : ol gy, calc | | | 0070-3L |
| 2228.00 | | | | | | | | 0071 |
| | | | 95 | S/Sst | : w to lt gy to drk gy, l | | | 0071-2L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0071-1L |
| | | | tr | Sltst | : ol gy, calc | | | 0071-3L |
| 2234.00 | | | | | | | | 0072 |
| | | | 95 | S/Sst | : w to lt gy to drk gy, l | | | 0072-2L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0072-1L |
| | | | tr | Sltst | : ol gy, calc | | | 0072-3L |
| 2240.00 | | | | | | | | 0073 |
| | | 0.14 | 90 | S/Sst | : w to lt gy, calc | | | 0073-2L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0073-1L |
| | | | 5 | Ca | : w | | | 0073-3L |
| 2246.00 | | | | | | | | 0074 |
| | | | 50 | Sltst | : ol gy, calc | | | 0074-4L |
| | | | 40 | S/Sst | : w to lt gy, calc | | | 0074-2L |
| | | | 5 | Sh/Clst | : lt gy to m gy, calc | | | 0074-1L |
| | | | 5 | Ca | : w | | | 0074-3L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2252.00 | | | | | | | | 0075 |
| | | | 90 | Sltst | : | ol gy, calc | | 0075-4L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0075-1L |
| | | | 5 | S/Sst | : | w to lt gy, calc | | 0075-2L |
| | | | tr | Ca | : | w | | 0075-3L |
| 2258.00 | | | | | | | | 0076 |
| | | 0.34 | 90 | S/Sst | : | w to lt gy | | 0076-2L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0076-1L |
| | | | 5 | Ca | : | w | | 0076-3L |
| | | | tr | Sltst | : | ol gy, calc | | 0076-4L |
| 2264.00 | | | | | | | | 0077 |
| | | | 85 | S/Sst | : | w to lt gy | | 0077-2L |
| | | | 10 | Sltst | : | ol gy, calc | | 0077-4L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, calc | | 0077-1L |
| | | | tr | Ca | : | w | | 0077-3L |
| 2270.00 | | | | | | | | 0078 |
| | cvd | | 50 | S/Sst | : | w to lt gy | | 0078-2L |
| | | | 50 | Sltst | : | ol gy, calc | | 0078-3L |
| | | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0078-1L |
| 2276.00 | | | | | | | | 0079 |
| | | 1.95 | 90 | Sltst | : | ol gy to lt ol gy, calc | | 0079-3L |
| | cvd | | 10 | S/Sst | : | w to lt gy | | 0079-2L |
| | | | tr | Sh/Clst | : | lt gy to m gy, calc | | 0079-1L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2282.00 | | | | | | | | 0080 |
| | | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0080-2L |
| | cvd | | tr | S/Sst | : w to lt gy | | | 0080-1L |
| 2288.00 | | | | | | | | 0081 |
| | | 1.22 | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0081-2L |
| | cvd | | tr | S/Sst | : w to lt gy | | | 0081-1L |
| 2294.00 | | | | | | | | 0082 |
| | | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0082-1L |
| 2300.00 | | | | | | | | 0083 |
| | | 2.11 | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0083-1L |
| 2306.00 | | | | | | | | 0084 |
| | | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0084-1L |
| | cvd | | tr | Sh/Clst | : m gy, calc | | | 0084-2L |
| | cvd | | tr | S/Sst | : w to lt gy | | | 0084-3L |
| 2312.00 | | | | | | | | 0085 |
| | | 1.51 | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0085-1L |
| | cvd | | tr | Sh/Clst | : m gy, calc | | | 0085-2L |
| | cvd | | tr | S/Sst | : w to lt gy | | | 0085-3L |
| 2318.00 | | | | | | | | 0086 |
| | | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0086-1L |
| | cvd | | tr | Sh/Clst | : m gy, calc | | | 0086-2L |
| | cvd | | tr | S/Sst | : w to lt gy | | | 0086-3L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2324.00 | | | | | | | | 0087 |
| | | 1.33 | 100 | Sltst | : | ol gy to lt ol gy, calc | | 0087-1L |
| | cvd | | tr | Sh/Clst | : | m gy, calc | | 0087-2L |
| | cvd | | tr | S/Sst | : | w to lt gy | | 0087-3L |
| 2330.00 | | | | | | | | 0088 |
| | | | 50 | Sltst | : | ol gy to lt ol gy, calc | | 0088-1L |
| | | | 50 | S/Sst | : | w to lt gy to drk gy, l | | 0088-3L |
| | cvd | | tr | Sh/Clst | : | m gy, calc | | 0088-2L |
| 2336.00 | | | | | | | | 0089 |
| | | 0.92 | 60 | Sltst | : | ol gy to lt ol gy, calc | | 0089-1L |
| | | | 40 | S/Sst | : | w to lt gy to drk gy, l | | 0089-3L |
| | cvd | | tr | Sh/Clst | : | m gy, calc | | 0089-2L |
| 2342.00 | | | | | | | | 0090 |
| | | | 90 | Sltst | : | ol gy to lt ol gy, calc | | 0090-1L |
| | | | 10 | S/Sst | : | w to lt gy to drk gy, l | | 0090-2L |
| 2348.00 | | | | | | | | 0091 |
| | | 1.59 | 95 | Sltst | : | ol gy to lt ol gy, calc | | 0091-1L |
| | | | 5 | S/Sst | : | w to lt gy to drk gy, l | | 0091-2L |
| | | | tr | Cont | : | Coal-ad | | 0091-3L |
| 2354.00 | | | | | | | | 0092 |
| | | | 80 | S/Sst | : | w to lt gy to drk gy, l | | 0092-2L |
| | | | 10 | Sltst | : | ol gy to lt ol gy, calc | | 0092-1L |
| | | | 10 | Ca | : | w to lt ol gy | | 0092-4L |
| | | | tr | Cont | : | Coal-ad | | 0092-3L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth Int | Depth Cvd | Type TOC% | % | Grp | Frm | Age | Trb | Sample | Lithology description |
|---|---|---|---|---|---|---|---|---|---|
| 2360.00 | | | | | | | | 0093 | |
| | | 3.48 | 90 | Sltst | | | | 0093-1L | : ol gy to lt ol gy, calc |
| | | | 5 | S/Sst | | | | 0093-2L | : w to lt gy to drk gy, l |
| | | | 5 | Coal | | | | 0093-4L | : brn blk |
| | | | tr | Ca | | | | 0093-3L | : w to lt ol gy |
| 2366.00 | | | | | | | | 0094 | |
| | | | 100 | Sltst | | | | 0094-1L | : ol gy to lt ol gy, calc |
| | | | tr | S/Sst | | | | 0094-2L | : w to lt gy to drk gy, l |
| | | | tr | Ca | | | | 0094-3L | : w to lt ol gy |
| | | | tr | Coal | | | | 0094-4L | : brn blk |
| 2372.00 | | | | | | | | 0095 | |
| | | 2.18 | 100 | Sltst | | | | 0095-1L | : ol gy to lt ol gy, calc |
| | | | tr | S/Sst | | | | 0095-2L | : w to lt gy to drk gy, l |
| | | | tr | Ca | | | | 0095-3L | : w to lt ol gy |
| | | | tr | Coal | | | | 0095-4L | : brn blk |
| 2378.00 | | | | | | | | 0096 | |
| | | | 100 | Sltst | | | | 0096-1L | : ol gy to lt ol gy, calc |
| | | | tr | S/Sst | | | | 0096-2L | : w to lt gy to drk gy, l |
| | | | tr | Coal | | | | 0096-3L | : brn blk |
| 2390.00 | | | | | | | | 0097 | |
| | | 2.32 | 100 | Sltst | | | | 0097-1L | : ol gy to lt ol gy, calc |
| | | | tr | S/Sst | | | | 0097-2L | : w to lt gy to drk gy, l |
| | | | tr | Coal | | | | 0097-3L | : brn blk |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2396.00 | | | | | | | | 0098 |
| | | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0098-1L |
| | | | tr | S/Sst | : w to lt gy to drk gy, l | | | 0098-2L |
| | | | tr | Coal | : brn blk | | | 0098-3L |
| 2402.00 | | | | | | | | 0099 |
| | | 2.55 | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0099-1L |
| | | | tr | S/Sst | : w to lt gy to drk gy, l | | | 0099-2L |
| | | | tr | Coal | : brn blk | | | 0099-3L |
| 2408.00 | | | | | | | | 0100 |
| | | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0100-1L |
| | | | tr | S/Sst | : w to lt gy to drk gy, l | | | 0100-2L |
| 2414.00 | | | | | | | | 0101 |
| | | 2.20 | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0101-1L |
| | | | tr | S/Sst | : w to lt gy to drk gy, l | | | 0101-2L |
| 2420.00 | | | | | | | | 0102 |
| | | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0102-1L |
| | | | tr | S/Sst | : w to lt gy to drk gy, l | | | 0102-2L |
| 2426.00 | | | | | | | | 0103 |
| | | 2.01 | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0103-1L |
| | | | tr | S/Sst | : w to lt gy to drk gy | | | 0103-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2432.00 | | | | | | | | 0104 |
| | | 2.58 | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0104-1L |
| | | | tr | S/Sst | | : w to lt gy to drk gy | | 0104-2L |
| 2438.00 | | | | | | | | 0105 |
| | | 1.22 | 90 | Ca | | : lt ol gy to m drk gy | | 0105-2L |
| | | | 10 | Sltst | | : ol gy to lt ol gy, calc | | 0105-1L |
| | | | tr | S/Sst | | : w to lt gy to drk gy | | 0105-3L |
| 2444.00 | | | | | | | | 0106 |
| | | | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0106-1L |
| | | | tr | Ca | | : lt ol gy to m drk gy | | 0106-2L |
| | | | tr | S/Sst | | : w to lt gy to drk gy | | 0106-3L |
| 2450.00 | | | | | | | | 0107 |
| | | 2.47 | 95 | Sltst | | : ol gy to lt ol gy, calc | | 0107-1L |
| | | | 5 | Ca | | : lt ol gy to m drk gy | | 0107-2L |
| 2456.00 | | | | | | | | 0108 |
| | | | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0108-1L |
| | | | tr | Ca | | : lt ol gy to m drk gy | | 0108-2L |
| 2462.00 | | | | | | | | 0109 |
| | | 1.97 | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0109-1L |
| | | | tr | Ca | | : lt ol gy to m drk gy | | 0109-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth Int | Cvd | Type TOC% | % | Grp | Frm | Age / Lithology description | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| 2468.00 | | | | | | | | 0110 |
| | | | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0110-1L |
| | | | tr | Ca | | : lt ol gy to m drk gy | | 0110-2L |
| 2474.00 | | | | | | | | 0111 |
| | | 1.83 | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0111-1L |
| | | | tr | Ca | | : lt ol gy to m drk gy | | 0111-2L |
| 2480.00 | | | | | | | | 0112 |
| | | | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0112-1L |
| | | | tr | Ca | | : lt ol gy to m drk gy | | 0112-2L |
| 2486.00 | | | | | | | | 0113 |
| | | | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0113-1L |
| | | | tr | Cont | | : Coal-ad | | 0113-2L |
| 2492.00 | | | | | | | | 0114 |
| | | 2.02 | 100 | Sltst | | : ol gy to lt ol gy, calc | | 0114-1L |
| | | | tr | Cont | | : Coal-ad | | 0114-2L |
| 2498.00 | | | | | | | | 0115 |
| | | | 85 | Sltst | | : ol gy to lt ol gy, calc | | 0115-1L |
| | | | 15 | Ca | | : pl y brn | | 0115-3L |
| | | | tr | Cont | | : Coal-ad | | 0115-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2504.00 | | | | | | | | 0116 |
| | | | 95 | Sltst | : ol gy to lt ol gy, calc | | | 0116-1L |
| | | | 5 | Ca | : pl y brn | | | 0116-3L |
| | | | tr | Cont | : Coal-ad | | | 0116-2L |
| 2510.00 | | | | | | | | 0117 |
| | | 1.18 | 95 | Sltst | : ol gy to lt ol gy, calc | | | 0117-1L |
| | | | 5 | Ca | : pl y brn | | | 0117-3L |
| | | | tr | Cont | : Coal-ad | | | 0117-2L |
| 2516.00 | | | | | | | | 0118 |
| | | | 95 | Sltst | : ol gy to lt ol gy, calc | | | 0118-1L |
| | | | 5 | Ca | : pl y brn | | | 0118-3L |
| | | | tr | Cont | : Coal-ad | | | 0118-2L |
| 2522.00 | | | | | | | | 0119 |
| | cvd | | 90 | Sltst | : ol gy to lt ol gy, calc | | | 0119-1L |
| | | | 10 | S/Sst | : w, f, l | | | 0119-2L |
| 2528.00 | | | | | | | | 0120 |
| | cvd | | 70 | Sltst | : ol gy to lt ol gy, calc | | | 0120-1L |
| | | 0.34 | 30 | S/Sst | : w, f, l | | | 0120-2L |
| 2534.00 | | | | | | | | 0121 |
| | cvd | 1.05 | 85 | Sltst | : ol gy to lt ol gy, calc | | | 0121-1L |
| | | | 15 | S/Sst | : w, f, l | | | 0121-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2540.00 | | | | | | | | 0122 |
| | cvd | | 95 | Sltst | : ol gy to lt ol gy, calc | | | 0122-1L |
| | | | 5 | S/Sst | : w, f, l | | | 0122-2L |
| 2546.00 | | | | | | | | 0123 |
| | cvd | | 100 | Sltst | : ol gy to lt ol gy, calc | | | 0123-1L |
| | | | tr | S/Sst | : w, f, l | | | 0123-2L |
| | | | tr | Cont | : Coal-ad | | | 0123-3L |
| 2552.00 | | | | | | | | 0124 |
| | | 1.07 | 100 | Sltst | : w to lt ol gy, calc, carb | | | 0124-1L |
| 2558.00 | | | | | | | | 0125 |
| | | | 100 | Sltst | : w to lt ol gy, calc, carb | | | 0125-1L |
| 2564.00 | | | | | | | | 0126 |
| | | | 100 | Sltst | : w to lt ol gy, calc, carb | | | 0126-1L |
| 2570.00 | | | | | | | | 0127 |
| | | 1.85 | 100 | Sltst | : w to lt ol gy, calc, carb | | | 0127-1L |
| | | | tr | Coal | : blk | | | 0127-2L |
| 2576.00 | | | | | | | | 0128 |
| | | 40.43 | 100 | Coal | : blk | | | 0128-2L |
| | | | tr | Sltst | : w to lt ol gy, calc, carb | | | 0128-1L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2582.00 | | | | | | | | 0129 |
| | | | 50 | Sltst | : w to lt ol gy, calc | | | 0129-1L |
| | | | 50 | Coal | : blk | | | 0129-2L |
| 2588.00 | | | | | | | | 0130 |
| | | 31.57 | 90 | Coal | : blk | | | 0130-2L |
| | | | 10 | S/Sst | : w, calc | | | 0130-1L |
| 2594.00 | | | | | | | | 0131 |
| | | | 70 | Coal | : blk | | | 0131-2L |
| | | | 25 | Sltst | : lt ol gy, calc | | | 0131-3L |
| | | | 5 | S/Sst | : w, calc | | | 0131-1L |
| | | | tr | Ca | : pl y brn | | | 0131-4L |
| 2600.00 | | | | | | | | 0132 |
| | | 47.54 | 50 | Coal | : blk | | | 0132-2L |
| | | | 50 | Sltst | : lt ol gy, calc | | | 0132-3L |
| | | | tr | S/Sst | : w, calc | | | 0132-1L |
| | | | tr | Ca | : pl y brn | | | 0132-4L |
| 2606.00 | | | | | | | | 0133 |
| | | | 85 | Sltst | : w to lt ol gy, calc | | | 0133-2L |
| | | | 15 | Coal | : blk | | | 0133-1L |
| 2612.00 | | | | | | | | 0134 |
| | | 48.45 | 100 | Coal | : blk | | | 0134-1L |
| | | | tr | Sltst | : w to lt ol gy, calc | | | 0134-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2618.00 | | | | | | | | 0135 |
| | | | 90 | Sltst | : | w to lt ol gy, calc | | 0135-2L |
| | | | 10 | Coal | : | blk | | 0135-1L |
| | | | tr | Sh/Clst | : | dsk y brn, wx | | 0135-3L |
| 2624.00 | | | | | | | | 0136 |
| | | 1.88 | 95 | Sltst | : | w to lt ol gy, calc | | 0136-2L |
| | | | 5 | Coal | : | blk | | 0136-1L |
| | | | tr | Sh/Clst | : | dsk y brn, wx | | 0136-3L |
| 2630.00 | | | | | | | | 0137 |
| | | | 100 | Coal | : | blk | | 0137-1L |
| | | | tr | Sltst | : | w to lt ol gy, calc | | 0137-2L |
| | | | tr | Sh/Clst | : | dsk y brn, wx | | 0137-3L |
| 2636.00 | | | | | | | | 0138 |
| | | 70.33 | 70 | Coal | : | blk | | 0138-1L |
| | | | 30 | Sltst | : | w to lt ol gy, calc | | 0138-2L |
| | | | tr | Sh/Clst | : | dsk y brn, wx | | 0138-3L |
| 2642.00 | | | | | | | | 0139 |
| | | | 65 | Sltst | : | ol gy to lt ol gy to drk gy, mic | | 0139-2L |
| | | | 30 | Coal | : | blk | | 0139-1L |
| | | | 5 | Sh/Clst | : | dsk y brn, wx | | 0139-3L |
| 2648.00 | | | | | | | | 0140 |
| | | | 65 | Sltst | : | w to lt ol gy, calc | | 0140-5L |
| | | | 15 | Coal | : | blk | | 0140-1L |
| | | | 10 | Sltst | : | ol gy to lt ol gy to drk gy, mic | | 0140-2L |
| | | | 10 | S/Sst | : | w, l | | 0140-4L |
| | | | tr | Sh/Clst | : | dsk y brn, wx | | 0140-3L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2654.00 | | | | | | | | 0141 |
| | | 0.41 | 90 | S/Sst | | : w, l | | 0141-3L |
| | | | 5 | Coal | | : blk | | 0141-1L |
| | | | 5 | Sltst | | : ol gy to lt ol gy to drk gy, mic | | 0141-2L |
| | | | tr | Sltst | | : w to lt ol gy, calc | | 0141-4L |
| 2663.00 | | | | | | | | 0142 |
| | | | 50 | Sltst | | : w to lt ol gy, calc | | 0142-3L |
| | | | 40 | S/Sst | | : w, l | | 0142-2L |
| | | | 10 | Coal | | : blk | | 0142-1L |
| 2669.00 | | | | | | | | 0143 |
| | | 2.39 | 90 | Sltst | | : w to lt ol gy, calc | | 0143-3L |
| | | | 5 | Coal | | : blk | | 0143-1L |
| | | | 5 | Sh/Clst | | : dsk y brn to drk y brn, carb, wx | | 0143-4L |
| | | | tr | S/Sst | | : w, l | | 0143-2L |
| 2675.00 | | | | | | | | 0144 |
| | | | 60 | S/Sst | | : w, l | | 0144-2L |
| | | | 35 | Sltst | | : w to lt ol gy, calc | | 0144-3L |
| | | | 5 | Coal | | : blk | | 0144-1L |
| 2684.00 | | | | | | | | 0145 |
| | | | 60 | S/Sst | | : w, l | | 0145-2L |
| | | | 35 | Sltst | | : w to lt ol gy, calc | | 0145-3L |
| | | | 5 | Coal | | : blk | | 0145-1L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|
| Int Cvd | TOC% | % | Lithology description | | | | |
| 2690.00 | | | | | | | 0146 |
| | 0.20 | 95 | S/Sst | : w, l | | | 0146-2L |
| | | 5 | Coal | : blk | | | 0146-1L |
| | | tr | Sltst | : w to lt ol gy, calc | | | 0146-3L |
| | | tr | Ca | : m gy | | | 0146-4L |
| 2693.00 | | | | | | | 0147 |
| | | 95 | S/Sst | : w to lt gy, l | | | 0147-2L |
| | | 5 | Sltst | : w to lt ol gy, calc | | | 0147-3L |
| | | tr | Coal | : blk | | | 0147-1L |
| 2708.00 | | | | | | | 0148 |
| | | 70 | S/Sst | : w to lt gy, l | | | 0148-2L |
| | | 30 | Sltst | : w to lt ol gy, calc | | | 0148-3L |
| | | tr | Coal | : blk | | | 0148-1L |
| 2714.00 | | | | | | | 0149 |
| | | 100 | S/Sst | : w to lt gy, l | | | 0149-2L |
| | | tr | Coal | : blk | | | 0149-1L |
| | | tr | Sltst | : w to lt ol gy, calc | | | 0149-3L |
| 2720.00 | | | | | | | 0150 |
| | 0.06 | 100 | S/Sst | : w to lt gy, l | | | 0150-2L |
| | | tr | Coal | : blk | | | 0150-1L |
| | | tr | Ca | : w | | | 0150-3L |
| | | tr | Sh/Clst | : m gy to drk gy | | | 0150-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2726.00 | | | | | | | | 0151 |
| | | | 95 | S/Sst | : w to lt gy, l | | | 0151-2L |
| | | | 5 | Sh/Clst | : m gy to drk gy | | | 0151-4L |
| | | | tr | Coal | : blk | | | 0151-1L |
| | | | tr | Ca | : w | | | 0151-3L |
| 2732.00 | | | | | | | | 0152 |
| | | | 75 | S/Sst | : w to lt gy, l | | | 0152-1L |
| | | | 15 | Sltst | : lt ol gy, calc | | | 0152-4L |
| | | | 5 | Ca | : w | | | 0152-2L |
| | | | 5 | Sh/Clst | : m gy to drk gy | | | 0152-3L |
| 2738.00 | | | | | | | | 0153 |
| | | | 75 | S/Sst | : w to lt gy, l | | | 0153-1L |
| | | | 20 | Sltst | : lt ol gy, calc | | | 0153-4L |
| | | | 5 | Ca | : w | | | 0153-2L |
| | | | tr | Sh/Clst | : m gy to drk gy | | | 0153-3L |
| 2741.00 | | | | | | | | 0154 |
| | | | 55 | S/Sst | : w to lt gy, l | | | 0154-1L |
| | | 1.39 | 40 | Sltst | : lt ol gy, calc | | | 0154-4L |
| | | | 5 | Ca | : w | | | 0154-2L |
| | | | tr | Sh/Clst | : m gy to drk gy | | | 0154-3L |
| | | | tr | Coal | : blk | | | 0154-5L |
| 2759.00 | | | | | | | | 0155 |
| | | | 100 | Sltst | : lt ol gy, calc | | | 0155-4L |
| | | | tr | S/Sst | : w to lt gy, l | | | 0155-1L |
| | | | tr | Ca | : w | | | 0155-2L |
| | | | tr | Sh/Clst | : m gy to drk gy | | | 0155-3L |
| | | | tr | Coal | : blk | | | 0155-5L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2765.00 | | | | | | | | 0156 |
| | | | 100 | Sltst | : | lt ol gy to ol gy, calc | | 0156-2L |
| | | | tr | Sh/Clst | : | m gy to drk gy | | 0156-1L |
| | | | tr | Coal | : | blk | | 0156-3L |
| | | | tr | Cont | : | prp | | 0156-4L |
| 2771.00 | | | | | | | | 0157 |
| | | | 100 | Sltst | : | lt ol gy to ol gy, calc | | 0157-1L |
| | | | tr | Coal | : | blk | | 0157-2L |
| | | | tr | Cont | : | prp | | 0157-3L |
| 2777.00 | | | | | | | | 0158 |
| | | 1.85 | 100 | Sltst | : | lt ol gy to ol gy, calc | | 0158-1L |
| | | | tr | Coal | : | blk | | 0158-2L |
| | | | tr | Cont | : | prp | | 0158-3L |
| 2783.00 | | | | | | | | 0159 |
| | | | 100 | Sltst | : | lt ol gy to ol gy, calc | | 0159-1L |
| | | | tr | Coal | : | blk | | 0159-2L |
| | | | tr | Cont | : | prp | | 0159-3L |
| 2792.00 | | | | | | | | 0160 |
| | | | 100 | Sltst | : | lt ol gy to ol gy, calc | | 0160-1L |
| | | | tr | Coal | : | blk | | 0160-2L |
| | | | tr | Cont | : | prp | | 0160-3L |
| | | | tr | Ca | : | w | | 0160-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2798.00 | | | | | | | | 0161 |
| | | 2.07 | 100 | Sltst | : lt ol gy to ol gy, calc | | | 0161-1L |
| | | | tr | S/Sst | : w | | | 0161-2L |
| | | | tr | Cont | : prp | | | 0161-3L |
| | | | tr | Ca | : w | | | 0161-4L |
| 2804.00 | | | | | | | | 0162 |
| | | | 100 | Sltst | : lt ol gy to ol gy, calc | | | 0162-1L |
| | | | tr | S/Sst | : w | | | 0162-2L |
| | | | tr | Cont | : prp | | | 0162-3L |
| | | | tr | Ca | : w | | | 0162-4L |
| 2816.00 | | | | | | | | 0163 |
| | | | 100 | Sltst | : lt ol gy to ol gy, calc | | | 0163-1L |
| | | | tr | S/Sst | : w | | | 0163-2L |
| | | | tr | Cont | : prp | | | 0163-3L |
| | | | tr | Ca | : w | | | 0163-4L |
| 2831.00 | | | | | | | | 0164 |
| | | 1.91 | 55 | Sltst | : lt ol gy to ol gy, calc | | | 0164-1L |
| | | | 40 | S/Sst | : w | | | 0164-2L |
| | | | 5 | Cont | : prp | | | 0164-3L |
| | | | tr | Ca | : w | | | 0164-4L |
| 2840.00 | | | | | | | | 0165 |
| | | | 55 | S/Sst | : w | | | 0165-2L |
| | | | 40 | Sltst | : lt ol gy to ol gy, calc | | | 0165-1L |
| | | | 5 | Cont | : prp | | | 0165-3L |
| | | | tr | Ca | : w | | | 0165-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|
| Int Cvd | TOC% | % | Lithology description | | | | |
| 2870.00 | | | | | | | 0166 |
| | | 80 | S/Sst | : w to y red | | | 0166-2L |
| | | 10 | Sltst | : lt ol gy to ol gy, calc | | | 0166-1L |
| | | 10 | Cont | : prp | | | 0166-3L |
| | | tr | Ca | : w | | | 0166-4L |
| 2876.00 | | | | | | | 0167 |
| | | 80 | S/Sst | : w to y red to lt gy | | | 0167-2L |
| | | 10 | Sltst | : lt ol gy to lt gy, calc | | | 0167-1L |
| | | 10 | Cont | : prp | | | 0167-3L |
| | | tr | Ca | : w | | | 0167-4L |
| 2882.00 | | | | | | | 0168 |
| | 0.36 | 85 | S/Sst | : w to y red to lt gy | | | 0168-2L |
| | | 15 | Cont | : prp | | | 0168-3L |
| | | tr | Sltst | : lt ol gy to lt gy, calc | | | 0168-1L |
| | | tr | Ca | : w | | | 0168-4L |
| 2888.00 | | | | | | | 0169 |
| | | 85 | S/Sst | : w to y red to lt gy | | | 0169-2L |
| | | 15 | Cont | : prp | | | 0169-3L |
| | | tr | Sltst | : lt ol gy to lt gy, calc | | | 0169-1L |
| | | tr | Ca | : w | | | 0169-4L |
| 2894.00 | | | | | | | 0170 |
| | | 60 | S/Sst | : w to y red to lt gy | | | 0170-1L |
| | | 40 | Cont | : prp, dd | | | 0170-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A.S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2906.00 | | | | | | | | 0171 |
| | | | 80 | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0171-3L |
| | | | 10 | S/Sst | : | w to y red to lt gy | | 0171-1L |
| | | | 10 | Cont | : | prp, dd | | 0171-2L |
| 2912.00 | | | | | | | | 0172 |
| | | 1.78 | 80 | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0172-3L |
| | | | 10 | S/Sst | : | w to y red to lt gy | | 0172-1L |
| | | | 10 | Cont | : | prp, dd | | 0172-2L |
| 2918.00 | | | | | | | | 0173 |
| | | | 95 | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0173-3L |
| | | | 5 | Cont | : | prp, dd | | 0173-2L |
| | | | tr | S/Sst | : | w to y red to lt gy | | 0173-1L |
| 2924.00 | | | | | | | | 0174 |
| | | | 95 | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0174-3L |
| | | | 5 | Cont | : | prp, dd | | 0174-2L |
| | | | tr | S/Sst | : | w to y red to lt gy | | 0174-1L |
| 2930.00 | | | | | | | | 0175 |
| | | 1.90 | 100 | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0175-3L |
| | | | tr | S/Sst | : | w to y red to lt gy | | 0175-1L |
| | | | tr | Cont | : | prp, dd | | 0175-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A.S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2936.00 | | | | | | | | 0176 |
| | | | 100 | Sh/Clst: lt gy to m gy, or gy, calc, slt, s | | | | 0176-3L |
| | | | tr | S/Sst : w to y red to lt gy | | | | 0176-1L |
| | | | tr | Cont : prp, dd | | | | 0176-2L |
| 2942.00 | | | | | | | | 0177 |
| | | | 100 | Sh/Clst: lt gy to m gy, or gy, calc, slt, s | | | | 0177-3L |
| | | | tr | S/Sst : w to y red to lt gy | | | | 0177-1L |
| | | | tr | Cont : prp, dd | | | | 0177-2L |
| 2948.00 | | | | | | | | 0178 |
| | | 1.63 | 100 | Sh/Clst: lt gy to m gy, or gy, calc, slt, s | | | | 0178-3L |
| | | | tr | S/Sst : w to y red to lt gy | | | | 0178-1L |
| | | | tr | Cont : prp, dd | | | | 0178-2L |
| 2954.00 | | | | | | | | 0179 |
| | | | 100 | Sh/Clst: lt gy to m gy, or gy, calc, slt, s | | | | 0179-3L |
| | | | tr | S/Sst : w to y red to lt gy | | | | 0179-1L |
| | | | tr | Cont : prp, dd | | | | 0179-2L |
| 2960.00 | | | | | | | | 0180 |
| | | | 100 | Sh/Clst: lt gy to m gy, or gy, calc, slt, s | | | | 0180-3L |
| | | | tr | S/Sst : w to y red to lt gy | | | | 0180-1L |
| | | | tr | Cont : prp, dd | | | | 0180-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2966.00 | | | | | | | | 0181 |
| | | 1.82 | 100 | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0181-3L |
| | | | tr | S/Sst | : | w to y red to lt gy | | 0181-1L |
| | | | tr | Cont | : | prp, dd | | 0181-2L |
| 2972.00 | | | | | | | | 0182 |
| | | | 50 | S/Sst | : | w to lt gy, or gy | | 0182-1L |
| | | | 50 | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0182-2L |
| 2978.00 | | | | | | | | 0183 |
| | | | 95 | S/Sst | : | w to lt gy, or gy | | 0183-1L |
| | | | 5 | Cont | : | prp | | 0183-3L |
| | | | tr | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0183-2L |
| 2984.00 | | | | | | | | 0184 |
| | | 0.41 | 95 | S/Sst | : | w to lt gy, or gy | | 0184-1L |
| | | | 5 | Cont | : | prp | | 0184-3L |
| | | | tr | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0184-2L |
| 2990.00 | | | | | | | | 0185 |
| | | | 95 | S/Sst | : | w to lt gy, or gy | | 0185-1L |
| | | | 5 | Cont | : | prp | | 0185-3L |
| | | | tr | Sh/Clst: | | lt gy to m gy, or gy, calc, slt, s | | 0185-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 2996.00 | | | | | | | | 0186 |
| | | | 95 | S/Sst | : | w to lt gy, or gy | | 0186-1L |
| | | | 5 | Cont | : | prp | | 0186-3L |
| | | | tr | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0186-2L |
| 3008.00 | | | | | | | | 0187 |
| | | | 85 | S/Sst | : | w to lt gy, or gy | | 0187-1L |
| | | | 10 | Cont | : | prp | | 0187-3L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0187-2L |
| 3014.00 | | | | | | | | 0188 |
| | | | 90 | S/Sst | : | w to lt gy, or gy | | 0188-1L |
| | | | 10 | Cont | : | prp | | 0188-3L |
| | | | tr | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0188-2L |
| 3029.00 | | | | | | | | 0189 |
| | | 0.28 | 60 | S/Sst | : | w to lt gy, or gy | | 0189-1L |
| | | | 40 | Cont | : | prp | | 0189-3L |
| | | | tr | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0189-2L |
| 3035.00 | | | | | | | | 0190 |
| | | | 60 | S/Sst | : | w to lt gy, or gy | | 0190-1L |
| | | | 40 | Cont | : | prp | | 0190-3L |
| | | | tr | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0190-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 3041.00 | | | | | | | | 0191 |
| | | | 75 | Cont | : | prp | | 0191-3L |
| | | | 20 | S/Sst | : | w to lt gy, or gy | | 0191-1L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0191-2L |
| 3050.00 | | | | | | | | 0192 |
| | | | 75 | Cont | : | prp | | 0192-3L |
| | | | 20 | S/Sst | : | w to lt gy, or gy | | 0192-1L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0192-2L |
| 3056.00 | | | | | | | | 0193 |
| | | | 75 | Cont | : | prp | | 0193-3L |
| | | | 20 | S/Sst | : | w to lt gy, or gy | | 0193-1L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0193-2L |
| 3062.00 | | | | | | | | 0194 |
| | | | 75 | Cont | : | prp | | 0194-3L |
| | | | 20 | S/Sst | : | w to lt gy, or gy | | 0194-1L |
| | | | 5 | Sh/Clst | : | lt gy to m gy, or gy, calc, slt, s | | 0194-2L |
| 3068.00 | | | | | | | | 0195 |
| | | 72.95 | 60 | Coal | : | blk | | 0195-3L |
| | | | 30 | Cont | : | prp | | 0195-2L |
| | | | 10 | S/Sst | : | w to lt gy, or gy | | 0195-1L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A.S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth Int | Depth Cvd | Type TOC% | % | Grp | Frm | Age | Trb | Sample | Lithology description |
|---|---|---|---|---|---|---|---|---|---|
| 3074.00 | | | | | | | | 0196 | |
| | | | 50 | Coal | | | | 0196-3L | : blk |
| | | | 30 | S/Sst | | | | 0196-1L | : w to lt gy |
| | | | 20 | Cont | | | | 0196-2L | : prp |
| 3080.00 | | | | | | | | 0197 | |
| | | | 45 | S/Sst | | | | 0197-1L | : w to lt gy |
| | | | 45 | Coal | | | | 0197-3L | : blk |
| | | | 10 | Cont | | | | 0197-2L | : prp |
| 3086.00 | | | | | | | | 0198 | |
| | | 0.64 | 80 | S/Sst | | | | 0198-1L | : w to lt gy, or gy |
| | | | 20 | Coal | | | | 0198-3L | : blk |
| | | | tr | Cont | | | | 0198-2L | : prp |
| 3092.00 | | | | | | | | 0199 | |
| | | | 90 | S/Sst | | | | 0199-1L | : w to lt gy, or gy |
| | | | 10 | Coal | | | | 0199-2L | : blk |
| 3098.00 | | | | | | | | 0200 | |
| | | | 95 | S/Sst | | | | 0200-1L | : w to lt gy, or gy |
| | | | 5 | Coal | | | | 0200-2L | : blk |
| 3104.00 | | | | | | | | 0201 | |
| | | | 95 | S/Sst | | | | 0201-1L | : w to lt gy, or gy |
| | | | 5 | Coal | | | | 0201-2L | : blk |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A.S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 3110.00 | | | | | | | | 0202 |
| | | | 90 | S/Sst | : w to lt gy | | | 0202-1L |
| | | | 10 | Coal | : blk | | | 0202-2L |
| 3116.00 | | | | | | | | 0203 |
| | | 0.47 | 95 | S/Sst | : w to lt gy | | | 0203-1L |
| | | | 5 | Coal | : blk | | | 0203-2L |
| 3122.00 | | | | | | | | 0204 |
| | | | 95 | S/Sst | : w to lt gy | | | 0204-1L |
| | | | 5 | Coal | : blk | | | 0204-2L |
| 3128.00 | | | | | | | | 0205 |
| | | | 95 | S/Sst | : w to lt gy | | | 0205-1L |
| | | | 5 | Coal | : blk | | | 0205-2L |
| 3134.00 | | | | | | | | 0206 |
| | | | 100 | S/Sst | : w to lt gy | | | 0206-1L |
| | | | tr | Coal | : blk | | | 0206-2L |
| 3140.00 | | | | | | | | 0207 |
| | | | 100 | S/Sst | : w to lt gy | | | 0207-1L |
| | | | tr | Coal | : blk | | | 0207-2L |
| 3146.00 | | | | | | | | 0208 |
| | | 0.15 | 100 | S/Sst | : w to lt gy | | | 0208-1L |
| | | | tr | Coal | : blk | | | 0208-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A.S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|
| Int Cvd | TOC% | % | Lithology description | | | | |
| 3152.00 | | | | | | | 0209 |
| | | 80 | S/Sst | : | w to lt gy | | 0209-1L |
| | | 10 | Sh/Clst | : | drk y brn to m gy, wx | | 0209-2L |
| | | 10 | Cont | : | prp | | 0209-3L |
| 3158.00 | | | | | | | 0210 |
| | | 70 | S/Sst | : | w to lt gy | | 0210-1L |
| | | 20 | Sltst | : | lt ol gy, calc | | 0210-2L |
| | | 10 | Cont | : | prp | | 0210-3L |
| 3164.00 | | | | | | | 0211 |
| | | 60 | S/Sst | : | w to lt gy | | 0211-1L |
| | | 20 | Sh/Clst | : | dsk y brn, wx | | 0211-4L |
| | | 10 | Sltst | : | lt ol gy, calc | | 0211-2L |
| | | 10 | Cont | : | prp | | 0211-3L |
| 3170.00 | | | | | | | 0212 |
| | 0.12 | 50 | Sh/Clst | : | dsk y brn to drk ol gy, wx | | 0212-4L |
| | | 30 | S/Sst | : | w to lt gy | | 0212-1L |
| | | 10 | Cont | : | prp | | 0212-3L |
| | | 5 | Sltst | : | lt ol gy, calc | | 0212-2L |
| | | 5 | Sh/Clst | : | red brn | | 0212-5L |
| 3176.00 | | | | | | | 0213 |
| | 0.11 | 50 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0213-4L |
| | | 30 | S/Sst | : | w to lt gy | | 0213-1L |
| | | 10 | Cont | : | prp | | 0213-3L |
| | | 5 | Sltst | : | lt ol gy, calc | | 0213-2L |
| | | 5 | Sh/Clst | : | red brn | | 0213-5L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A.S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 3182.00 | | | | | | | | 0214 |
| | | | 60 | S/Sst | : | w to lt gy | | 0214-1L |
| | | | 40 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0214-4L |
| | | | tr | Sltst | : | lt ol gy, calc | | 0214-2L |
| | | | tr | Cont | : | prp | | 0214-3L |
| | | | tr | Sh/Clst | : | red brn | | 0214-5L |
| 3188.00 | | | | | | | | 0215 |
| | | | 70 | S/Sst | : | w to lt gy | | 0215-1L |
| | | | 30 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0215-4L |
| | | | tr | Sltst | : | lt ol gy, calc | | 0215-2L |
| | | | tr | Cont | : | prp | | 0215-3L |
| | | | tr | Sh/Clst | : | red brn | | 0215-5L |
| 3194.00 | | | | | | | | 0216 |
| | | 0.03 | 70 | S/Sst | : | w to lt gy | | 0216-1L |
| | | | 20 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0216-4L |
| | | | 10 | Cont | : | prp | | 0216-3L |
| | | | tr | Sltst | : | lt ol gy, calc | | 0216-2L |
| | | | tr | Sh/Clst | : | red brn | | 0216-5L |
| 3200.00 | | | | | | | | 0217 |
| | | | 40 | S/Sst | : | w to lt gy | | 0217-1L |
| | | | 35 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0217-3L |
| | | | 15 | Sh/Clst | : | red brn | | 0217-4L |
| | | | 10 | Cont | : | prp | | 0217-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|
| Int Cvd | TOC% | % | Lithology description | | | | |
| 3206.00 | | | | | | | 0218 |
| | | 60 | S/Sst | : | w to lt gy | | 0218-1L |
| | | 20 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0218-3L |
| | | 10 | Cont | : | prp | | 0218-2L |
| | | 10 | Sh/Clst | : | red brn | | 0218-4L |
| 3212.00 | | | | | | | 0219 |
| | | 60 | S/Sst | : | w to lt gy | | 0219-1L |
| | | 20 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0219-3L |
| | | 10 | Cont | : | prp | | 0219-2L |
| | | 10 | Sh/Clst | : | red brn | | 0219-4L |
| 3218.00 | | | | | | | 0220 |
| | 0.15 | 70 | S/Sst | : | w to lt gy | | 0220-1L |
| | | 20 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0220-3L |
| | | 10 | Cont | : | prp | | 0220-2L |
| | | tr | Sh/Clst | : | red brn | | 0220-4L |
| 3224.00 | | | | | | | 0221 |
| | | 70 | S/Sst | : | w to lt gy | | 0221-1L |
| | | 20 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0221-3L |
| | | 10 | Cont | : | prp | | 0221-2L |
| | | tr | Sh/Clst | : | red brn | | 0221-4L |
| 3230.00 | | | | | | | 0222 |
| | 66.60 | 40 | Coal | : | blk | | 0222-4L |
| | | 35 | S/Sst | : | w to lt gy | | 0222-1L |
| | | 15 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0222-3L |
| | | 10 | Cont | : | prp | | 0222-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 3236.00 | | | | | | | | 0223 |
| | | | 55 | S/Sst | : | w to lt gy | | 0223-1L |
| | | | 20 | Coal | : | blk | | 0223-4L |
| | | | 15 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0223-3L |
| | | | 10 | Cont | : | prp | | 0223-2L |
| 3242.00 | | | | | | | | 0224 |
| | | | 55 | S/Sst | : | w to lt gy | | 0224-1L |
| | | | 25 | Coal | : | blk | | 0224-4L |
| | | | 10 | Cont | : | prp | | 0224-2L |
| | | | 10 | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0224-3L |
| 3248.00 | | | | | | | | 0225 |
| | | 0.67 | 90 | S/Sst | : | w | | 0225-1L |
| | | | 10 | Coal | : | blk | | 0225-4L |
| | | | tr | Cont | : | prp | | 0225-2L |
| | | | tr | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0225-3L |
| 3254.00 | | | | | | | | 0226 |
| | | | 90 | S/Sst | : | w | | 0226-1L |
| | | | 10 | Coal | : | blk | | 0226-4L |
| | | | tr | Cont | : | prp | | 0226-2L |
| | | | tr | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0226-3L |
| 3260.00 | | | | | | | | 0227 |
| | | | 95 | S/Sst | : | w | | 0227-1L |
| | | | 5 | Cont | : | prp | | 0227-2L |
| | | | tr | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0227-3L |
| | | | tr | Coal | : | blk | | 0227-4L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 3266.00 | | | | | | | | 0228 |
| | | | 95 | S/Sst | : | w | | 0228-1L |
| | | | 5 | Cont | : | prp | | 0228-2L |
| | | | tr | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0228-3L |
| | | | tr | Coal | : | blk | | 0228-4L |
| 3272.00 | | | | | | | | 0229 |
| | | 0.92 | 95 | S/Sst | : | w | | 0229-1L |
| | | | 5 | Cont | : | prp | | 0229-2L |
| | | | tr | Sh/Clst | : | dsk y brn to drk ol gy to gn gy, wx | | 0229-3L |
| | | | tr | Coal | : | blk | | 0229-4L |
| 3278.00 | | | | | | | | 0230 |
| | | | 55 | S/Sst | : | w | | 0230-1L |
| | | | 30 | Sltst | : | pi | | 0230-4L |
| | | | 10 | Sh/Clst | : | drk ol gy to gn gy | | 0230-3L |
| | | | 5 | Cont | : | prp | | 0230-2L |
| 3284.00 | | | | | | | | 0231 |
| | | | 60 | Sltst | : | pi to red brn | | 0231-4L |
| | | | 30 | S/Sst | : | w | | 0231-1L |
| | | | 10 | Sh/Clst | : | drk ol gy to gn gy | | 0231-3L |
| | | | tr | Coal | : | blk, prp | | 0231-2L |
| 3290.00 | | | | | | | | 0232 |
| | | 0.77 | 60 | Sltst | : | pi to red brn | | 0232-4L |
| | | | 30 | S/Sst | : | w | | 0232-1L |
| | | | 10 | Sh/Clst | : | drk ol gy to gn gy | | 0232-3L |
| | | | tr | Coal | : | blk, prp | | 0232-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 3296.00 | | | | | | | | 0233 |
| | | | 40 | Sltst | : | pi to red brn | | 0233-4L |
| | | | 35 | Sh/Clst | : | red brn | | 0233-5L |
| | | | 15 | S/Sst | : | w | | 0233-1L |
| | | | 10 | Sh/Clst | : | drk ol gy to gn gy | | 0233-3L |
| | | | tr | Coal | : | blk, prp | | 0233-2L |
| 3302.00 | | | | | | | | 0234 |
| | | | 40 | Sltst | : | pi to red brn | | 0234-4L |
| | | | 35 | Sh/Clst | : | red brn | | 0234-5L |
| | | | 15 | S/Sst | : | w | | 0234-1L |
| | | | 10 | Sh/Clst | : | drk ol gy to gn gy | | 0234-3L |
| | | | tr | Coal | : | blk, prp | | 0234-2L |
| 3308.00 | | | | | | | | 0235 |
| | | 0.11 | 50 | S/Sst | : | w | | 0235-1L |
| | | | 40 | Sh/Clst | : | red brn | | 0235-5L |
| | | | 5 | Sh/Clst | : | drk ol gy to gn gy | | 0235-3L |
| | | | 5 | Sltst | : | pi to red brn | | 0235-4L |
| | | | tr | Coal | : | blk, prp | | 0235-2L |
| 3320.00 | | | | | | | | 0236 |
| | | | 50 | Sh/Clst | : | red brn | | 0236-3L |
| | | | 30 | S/Sst | : | w | | 0236-1L |
| | | | 20 | Sh/Clst | : | drk ol gy to gn gy | | 0236-2L |
| 3326.00 | | | | | | | | 0237 |
| | | | 50 | Sh/Clst | : | red brn | | 0237-3L |
| | | | 25 | S/Sst | : | w | | 0237-1L |
| | | | 25 | Sh/Clst | : | drk ol gy to gn gy | | 0237-2L |

GEOLAB NOR
GEOCHEMICAL LABORATORIES OF NORWAY A/S

Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|
| Int Cvd | TOC% | % | Lithology description | | | | |
| 3332.00 | | | | | | | 0238 |
| | | 50 | Sh/Clst: red brn | | | | 0238-3L |
| | | 25 | S/Sst : w | | | | 0238-1L |
| | | 25 | Sh/Clst: drk ol gy to gn gy | | | | 0238-2L |
| 3338.00 | | | | | | | 0239 |
| | 0.19 | 50 | Sh/Clst: red brn | | | | 0239-3L |
| | | 25 | S/Sst : w | | | | 0239-1L |
| | | 25 | Sh/Clst: drk ol gy to gn gy | | | | 0239-2L |
| 3344.00 | | | | | | | 0240 |
| | | 40 | Sltst : pi | | | | 0240-4L |
| | | 30 | Sh/Clst: red brn | | | | 0240-3L |
| | | 20 | S/Sst : w | | | | 0240-1L |
| | | 10 | Sh/Clst: drk ol gy to gn gy | | | | 0240-2L |
| 3350.00 | | | | | | | 0241 |
| | | 60 | S/Sst : w | | | | 0241-1L |
| | | 20 | Sh/Clst: drk ol gy to gn gy | | | | 0241-2L |
| | | 20 | Sh/Clst: red brn | | | | 0241-3L |
| | | tr | Sltst : pi | | | | 0241-4L |
| 3356.00 | | | | | | | 0242 |
| | | 60 | S/Sst : w | | | | 0242-1L |
| | | 20 | Sh/Clst: drk ol gy to gn gy | | | | 0242-2L |
| | | 20 | Sh/Clst: red brn | | | | 0242-3L |
| | | tr | Sltst : pi | | | | 0242-4L |

GEOLAB NOR
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Table 1 : Lithology description for well NOCS 31/2-8

Depth unit of measure: m

| Depth | | Type | | Grp | Frm | Age | Trb | Sample |
|---|---|---|---|---|---|---|---|---|
| Int | Cvd | TOC% | % | Lithology description | | | | |
| 3362.00 | | | | | | | | 0243 |
| | | | 70 | S/Sst : w | | | | 0243-1L |
| | | | 15 | Sh/Clst: drk ol gy to gn gy | | | | 0243-2L |
| | | | 15 | Sh/Clst: red brn | | | | 0243-3L |
| 3368.00 | | | | | | | | 0244 |
| | | | 70 | S/Sst : w | | | | 0244-1L |
| | | | 15 | Sh/Clst: drk ol gy to gn gy | | | | 0244-2L |
| | | | 15 | Sh/Clst: red brn | | | | 0244-3L |
| 3375.00 | | | | | | | | 0245 |
| | | 0.08 | 70 | S/Sst : w | | | | 0245-1L |
| | | | 10 | Sh/Clst: drk ol gy to gn gy | | | | 0245-2L |
| | | | 10 | Sh/Clst: red brn | | | | 0245-3L |
| | | | 10 | Cont : prp | | | | 0245-4L |

Table 2 : Rock-Eval table for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1808.00 | cut | Sh/Clst: m gy | 0.35 | 0.92 | 0.73 | 1.26 | 1.20 | 77 | 61 | 1.3 | 0.28 | 430 | 0012-1L |
| 1820.00 | cut | Ca : w | 0.04 | 0.07 | 1.17 | 0.06 | 0.12 | 58 | 975 | 0.1 | 0.36 | 425 | 0013-2L |
| 1826.00 | cut | Sh/Clst: drk gy | 0.62 | 4.55 | 0.75 | 6.07 | 2.91 | 156 | 26 | 5.2 | 0.12 | 420 | 0014-3L |
| 1832.00 | cut | Sh/Clst: drk gy | 0.51 | 5.16 | 1.50 | 3.44 | 3.28 | 157 | 46 | 5.7 | 0.09 | 420 | 0015-3L |
| 1841.80 | ccp | S/Sst : lt gy | 3.58 | 0.99 | 0.77 | 1.29 | 0.93 | 106 | 83 | 4.6 | 0.78 | 415 | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | 6.44 | 1.60 | 0.32 | 5.00 | 0.80 | 200 | 40 | 8.0 | 0.80 | 331 | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | 6.87 | 2.84 | 0.49 | 5.80 | 1.05 | 270 | 47 | 9.7 | 0.71 | 357 | 0003-1L |
| 1856.45 | ccp | Ca : w | 0.47 | 0.24 | 0.33 | 0.73 | 0.17 | 141 | 194 | 0.7 | 0.66 | 419 | 0004-1L |
| 1861.34 | ccp | Sltst : lt gy | 0.83 | 1.09 | 0.66 | 1.65 | 1.09 | 100 | 61 | 1.9 | 0.43 | 408 | 0005-1L |
| 1866.30 | ccp | Sltst : lt gy | 1.52 | 2.97 | 0.61 | 4.87 | 3.24 | 92 | 19 | 4.5 | 0.34 | 409 | 0006-1L |
| 1871.00 | ccp | S/Sst : lt gy | 0.35 | 0.53 | 0.36 | 1.47 | 0.71 | 75 | 51 | 0.9 | 0.40 | 419 | 0007-1L |
| 1876.00 | ccp | S/Sst : lt gy | 0.43 | 0.70 | 0.29 | 2.41 | 0.78 | 90 | 37 | 1.1 | 0.38 | 406 | 0008-1L |
| 1881.00 | ccp | Sh/Clst: lt gy | 0.19 | 0.78 | 0.40 | 1.95 | 1.90 | 41 | 21 | 1.0 | 0.20 | 414 | 0009-1L |
| 1885.70 | ccp | Ca : w | 0.02 | 0.03 | 0.26 | 0.12 | 0.03 | 100 | 867 | 0.1 | 0.40 | 417 | 0010-1L |
| 1888.70 | ccp | S/Sst : w to lt y brn | - | 0.26 | 0.49 | 0.53 | 0.12 | 217 | 408 | 0.3 | - | 400 | 0011-1L |

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Table 2 : Rock-Eval table for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1889.00 | cut | S/Sst : lt gy | 0.08 | 0.20 | 0.82 | 0.24 | 0.24 | 83 | 342 | 0.3 | 0.29 | 397 | 0017-1L |
| 1895.00 | cut | S/Sst : lt gy | 0.01 | 0.02 | 0.20 | 0.10 | 0.07 | 29 | 286 | - | 0.33 | 404 | 0018-1L |
| 1901.00 | cut | S/Sst : lt gy | 0.02 | 0.05 | 0.39 | 0.13 | 0.18 | 28 | 217 | 0.1 | 0.29 | 301 | 0019-1L |
| 1913.00 | cut | S/Sst : lt gy | 0.04 | 0.06 | 0.59 | 0.10 | 0.20 | 30 | 295 | 0.1 | 0.40 | 301 | 0021-1L |
| 1931.00 | cut | S/Sst : lt gy | - | 0.02 | 0.34 | 0.06 | 0.09 | 22 | 378 | - | - | 301 | 0024-1L |
| 1952.00 | cut | S/Sst : lt gy | - | 0.06 | 0.44 | 0.14 | 0.10 | 60 | 440 | 0.1 | - | 333 | 0027-1L |
| 1970.00 | cut | Sltst : lt ol gy | 0.02 | 0.09 | 0.99 | 0.09 | 0.24 | 38 | 413 | 0.1 | 0.18 | 385 | 0030-4L |
| 1978.00 | cut | Sltst : ol gy | 0.14 | 0.92 | 2.89 | 0.32 | 1.61 | 57 | 180 | 1.1 | 0.13 | 424 | 0031-3L |
| 1985.00 | cut | Sltst : ol gy | 0.19 | 0.98 | 3.37 | 0.29 | 1.72 | 57 | 196 | 1.2 | 0.16 | 422 | 0032-3L |
| 1991.00 | cut | S/Sst : lt gy | 0.05 | 0.17 | 0.51 | 0.33 | 0.38 | 45 | 134 | 0.2 | 0.23 | 427 | 0033-1L |
| 2003.00 | cut | Sltst : ol gy | 0.11 | 0.55 | 2.20 | 0.25 | 1.35 | 41 | 163 | 0.7 | 0.17 | 423 | 0035-3L |
| 2009.00 | cut | Sltst : ol gy | 0.21 | 1.15 | 3.56 | 0.32 | 0.92 | 125 | 387 | 1.4 | 0.15 | 425 | 0036-3L |
| 2021.00 | cut | Sltst : ol gy | 0.15 | 0.79 | 3.51 | 0.23 | 1.83 | 43 | 192 | 0.9 | 0.16 | 427 | 0038-3L |
| 2027.00 | cut | S/Sst : drk gy to dsk y brn | 0.10 | 0.60 | 1.26 | 0.48 | 1.63 | 37 | 77 | 0.7 | 0.14 | 430 | 0039-5L |
| 2030.00 | cut | Sltst : ol gy | 0.14 | 0.74 | 4.94 | 0.15 | 2.36 | 31 | 209 | 0.9 | 0.16 | 422 | 0040-3L |

Table 2 : Rock-Eval table for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2042.00 | cut | Sltst : ol gy | 0.15 | 0.76 | 4.59 | 0.17 | 2.03 | 37 | 226 | 0.9 | 0.16 | 424 | 0041-3L |
| 2048.00 | cut | Sltst : ol gy | 0.20 | 1.36 | 4.00 | 0.34 | 2.89 | 47 | 138 | 1.6 | 0.13 | 425 | 0042-3L |
| 2054.00 | cut | Sltst : ol gy | 0.14 | 0.66 | 5.59 | 0.12 | 2.12 | 31 | 264 | 0.8 | 0.17 | 420 | 0043-3L |
| 2066.00 | cut | Sltst : ol gy | 0.27 | 2.25 | 3.61 | 0.62 | 3.95 | 57 | 91 | 2.5 | 0.11 | 427 | 0045-3L |
| 2078.00 | cut | Sltst : ol gy | 0.17 | 1.41 | 3.81 | 0.37 | 3.41 | 41 | 112 | 1.6 | 0.11 | 430 | 0047-3L |
| 2090.00 | cut | Sltst : ol gy | 0.28 | 1.63 | 3.46 | 0.47 | 3.04 | 54 | 114 | 1.9 | 0.15 | 425 | 0049-3L |
| 2108.00 | cut | Sltst : ol gy | 0.56 | 1.71 | 4.03 | 0.42 | 2.00 | 86 | 202 | 2.3 | 0.25 | 423 | 0051-3L |
| 2120.00 | cut | Ca : pl y brn | 0.58 | 0.40 | 6.52 | 0.06 | 0.71 | 56 | 918 | 1.0 | 0.59 | 350 | 0053-4L |
| 2132.00 | cut | Sltst : ol gy | 1.56 | 1.71 | 3.44 | 0.50 | 2.48 | 69 | 139 | 3.3 | 0.48 | 419 | 0055-3L |
| 2144.00 | cut | Sltst : ol gy | 1.55 | 1.94 | 2.71 | 0.72 | 2.46 | 79 | 110 | 3.5 | 0.44 | 426 | 0057-3L |
| 2156.00 | cut | Sltst : ol gy to drk gy | 1.57 | 1.45 | 2.78 | 0.52 | 1.99 | 73 | 140 | 3.0 | 0.52 | 426 | 0059-3L |
| 2168.00 | cut | Sltst : ol gy | 1.28 | 1.10 | 2.48 | 0.44 | 1.41 | 78 | 176 | 2.4 | 0.54 | 430 | 0061-2L |
| 2180.00 | cut | Sltst : ol gy | 1.57 | 1.62 | 3.18 | 0.51 | 1.91 | 85 | 166 | 3.2 | 0.49 | 431 | 0063-2L |
| 2186.00 | cut | Sltst : ol gy | 1.27 | 0.87 | 3.00 | 0.29 | 1.34 | 65 | 224 | 2.1 | 0.59 | 428 | 0064-2L |
| 2192.00 | cut | S/Sst : w to lt gy | 0.32 | 0.20 | 0.66 | 0.30 | 0.41 | 49 | 161 | 0.5 | 0.62 | 435 | 0065-2L |

Table 2 : Rock-Eval table for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2204.00 | cut | S/Sst : w to lt gy to drk gy | 0.12 | 0.09 | 0.32 | 0.28 | 0.16 | 56 | 200 | 0.2 | 0.57 | 428 | 0067-2L |
| 2222.00 | cut | S/Sst : w to lt gy to drk gy | 0.35 | 0.24 | 0.65 | 0.37 | 0.49 | 49 | 133 | 0.6 | 0.59 | 425 | 0070-2L |
| 2240.00 | cut | S/Sst : w to lt gy | 0.16 | 0.06 | 0.26 | 0.23 | 0.14 | 43 | 186 | 0.2 | 0.73 | 426 | 0073-2L |
| 2258.00 | cut | S/Sst : w to lt gy | 0.26 | 0.21 | 0.32 | 0.66 | 0.34 | 62 | 94 | 0.5 | 0.55 | 433 | 0076-2L |
| 2276.00 | cut | Sltst : ol gy to lt ol gy | 0.98 | 1.64 | 2.69 | 0.61 | 1.95 | 84 | 138 | 2.6 | 0.37 | 430 | 0079-3L |
| 2288.00 | cut | Sltst : ol gy to lt ol gy | 0.94 | 0.86 | 1.87 | 0.46 | 1.22 | 70 | 153 | 1.8 | 0.52 | 431 | 0081-2L |
| 2300.00 | cut | Sltst : ol gy to lt ol gy | 1.48 | 2.10 | 2.82 | 0.74 | 2.11 | 100 | 134 | 3.6 | 0.41 | 427 | 0083-1L |
| 2312.00 | cut | Sltst : ol gy to lt ol gy | 0.79 | 1.14 | 2.44 | 0.47 | 1.51 | 75 | 162 | 1.9 | 0.41 | 431 | 0085-1L |
| 2324.00 | cut | Sltst : ol gy to lt ol gy | 0.96 | 0.94 | 2.71 | 0.35 | 1.33 | 71 | 204 | 1.9 | 0.51 | 427 | 0087-1L |
| 2336.00 | cut | Sltst : ol gy to lt ol gy | 0.84 | 0.75 | 1.77 | 0.42 | 0.92 | 82 | 192 | 1.6 | 0.53 | 428 | 0089-1L |
| 2348.00 | cut | Sltst : ol gy to lt ol gy | 0.76 | 1.12 | 2.65 | 0.42 | 1.59 | 70 | 167 | 1.9 | 0.40 | 428 | 0091-1L |
| 2360.00 | cut | Sltst : ol gy to lt ol gy | 1.78 | 3.33 | 2.68 | 1.24 | 3.48 | 96 | 77 | 5.1 | 0.35 | 431 | 0093-1L |
| 2372.00 | cut | Sltst : ol gy to lt ol gy | 1.55 | 2.42 | 2.40 | 1.01 | 2.18 | 111 | 110 | 4.0 | 0.39 | 430 | 0095-1L |
| 2390.00 | cut | Sltst : ol gy to lt ol gy | 1.37 | 2.66 | 2.82 | 0.94 | 2.32 | 115 | 122 | 4.0 | 0.34 | 427 | 0097-1L |
| 2402.00 | cut | Sltst : ol gy to lt ol gy | 1.37 | 3.00 | 2.67 | 1.12 | 2.55 | 118 | 105 | 4.4 | 0.31 | 424 | 0099-1L |

Table 2 : Rock-Eval table for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2414.00 | cut | Sltst : ol gy to lt ol gy | 1.32 | 2.84 | 3.29 | 0.86 | 2.20 | 129 | 150 | 4.2 | 0.32 | 430 | 0101-1L |
| 2426.00 | cut | Sltst : ol gy to lt ol gy | 1.21 | 2.78 | 2.49 | 1.12 | 2.01 | 138 | 124 | 4.0 | 0.30 | 431 | 0103-1L |
| 2432.00 | cut | Sltst : ol gy to lt ol gy | 1.21 | 5.25 | 2.56 | 2.05 | 2.58 | 203 | 99 | 6.5 | 0.19 | 422 | 0104-1L |
| 2438.00 | cut | Ca : lt ol gy to m drk gy | 0.53 | 2.87 | 1.26 | 2.28 | 1.22 | 235 | 103 | 3.4 | 0.16 | 427 | 0105-2L |
| 2450.00 | cut | Sltst : ol gy to lt ol gy | 1.23 | 4.14 | 2.71 | 1.53 | 2.47 | 168 | 110 | 5.4 | 0.23 | 423 | 0107-1L |
| 2462.00 | cut | Sltst : ol gy to lt ol gy | 0.97 | 3.01 | 2.48 | 1.21 | 1.97 | 153 | 126 | 4.0 | 0.24 | 426 | 0109-1L |
| 2474.00 | cut | Sltst : ol gy to lt ol gy | 1.10 | 2.52 | 2.30 | 1.10 | 1.83 | 138 | 126 | 3.6 | 0.30 | 428 | 0111-1L |
| 2492.00 | cut | Sltst : ol gy to lt ol gy | 1.65 | 2.56 | 3.47 | 0.74 | 2.02 | 127 | 172 | 4.2 | 0.39 | 427 | 0114-1L |
| 2510.00 | cut | Sltst : ol gy to lt ol gy | 0.83 | 1.01 | 2.54 | 0.40 | 1.18 | 86 | 215 | 1.8 | 0.45 | 422 | 0117-1L |
| 2528.00 | cut | S/Sst : w | 0.33 | 0.25 | 2.01 | 0.12 | 0.34 | 74 | 591 | 0.6 | 0.57 | 383 | 0120-2L |
| 2534.00 | cut | Sltst : ol gy to lt ol gy | 0.75 | 1.10 | 2.04 | 0.54 | 1.05 | 105 | 194 | 1.9 | 0.41 | 425 | 0121-1L |
| 2552.00 | cut | Sltst : w to lt ol gy | 0.47 | 0.72 | 1.43 | 0.50 | 1.07 | 67 | 134 | 1.2 | 0.39 | 425 | 0124-1L |
| 2570.00 | cut | Sltst : w to lt ol gy | 0.51 | 1.03 | 2.38 | 0.43 | 1.85 | 56 | 129 | 1.5 | 0.33 | 422 | 0127-1L |
| 2576.00 | cut | Coal : blk | 5.84 | 74.80 | 8.18 | 9.14 | 40.43 | 185 | 20 | 80.6 | 0.07 | 436 | 0128-2L |
| 2588.00 | cut | Coal : blk | 4.68 | 35.93 | 5.62 | 6.39 | 31.57 | 114 | 18 | 40.6 | 0.12 | 435 | 0130-2L |

Table 2 : Rock-Eval table for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2600.00 | cut | Coal : blk | 7.03 | 54.68 | 8.12 | 6.73 | 47.54 | 115 | 17 | 61.7 | 0.11 | 436 | 0132-2L |
| 2612.00 | cut | Coal : blk | 7.93 | 45.51 | 7.58 | 6.00 | 48.45 | 94 | 16 | 53.4 | 0.15 | 435 | 0134-1L |
| 2624.00 | cut | Sltst : w to lt ol gy | 0.92 | 1.70 | 2.92 | 0.58 | 1.88 | 90 | 155 | 2.6 | 0.35 | 427 | 0136-2L |
| 2636.00 | cut | Coal : blk | 6.41 | 64.71 | 8.30 | 7.80 | 70.33 | 92 | 12 | 71.1 | 0.09 | 433 | 0138-1L |
| 2654.00 | cut | S/Sst : w | 0.46 | 0.27 | 0.71 | 0.38 | 0.41 | 66 | 173 | 0.7 | 0.63 | 422 | 0141-3L |
| 2669.00 | cut | Sltst : w to lt ol gy | 0.94 | 1.83 | 2.29 | 0.80 | 2.39 | 77 | 96 | 2.8 | 0.34 | 428 | 0143-3L |
| 2690.00 | cut | S/Sst : w | 0.23 | 0.17 | 0.53 | 0.32 | 0.20 | 85 | 265 | 0.4 | 0.57 | 420 | 0146-2L |
| 2720.00 | cut | S/Sst : w to lt gy | 0.06 | 0.03 | 0.23 | 0.13 | 0.06 | 50 | 383 | 0.1 | 0.67 | 334 | 0150-2L |
| 2741.00 | cut | Sltst : lt ol gy | 0.70 | 1.16 | 4.48 | 0.26 | 1.39 | 83 | 322 | 1.9 | 0.38 | 426 | 0154-4L |
| 2777.00 | cut | Sltst : lt ol gy to ol gy | 1.43 | 2.33 | 2.84 | 0.82 | 1.85 | 126 | 154 | 3.8 | 0.38 | 428 | 0158-1L |
| 2798.00 | cut | Sltst : lt ol gy to ol gy | 2.18 | 3.54 | 2.76 | 1.28 | 2.07 | 171 | 133 | 5.7 | 0.38 | 432 | 0161-1L |
| 2831.00 | cut | Sltst : lt ol gy to ol gy | 1.78 | 2.36 | 5.74 | 0.41 | 1.91 | 124 | 301 | 4.1 | 0.43 | 426 | 0164-1L |
| 2882.00 | cut | S/Sst : w to y red to lt gy | 0.79 | 0.21 | 2.96 | 0.07 | 0.36 | 58 | 822 | 1.0 | 0.79 | 375 | 0168-2L |
| 2912.00 | cut | Sh/Clst: lt gy to m gy, or gy | 0.88 | 1.10 | 5.95 | 0.18 | 1.78 | 62 | 334 | 2.0 | 0.44 | 437 | 0172-3L |
| 2930.00 | cut | Sh/Clst: lt gy to m gy, or gy | 0.81 | 1.28 | 5.97 | 0.21 | 1.90 | 67 | 314 | 2.1 | 0.39 | 430 | 0175-3L |

Table 2 : Rock-Eval table for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2948.00 | cut | Sh/Clst: lt gy to m gy, or gy | 0.77 | 1.14 | 5.35 | 0.21 | 1.63 | 70 | 328 | 1.9 | 0.40 | 432 | 0178-3L |
| 2966.00 | cut | Sh/Clst: lt gy to m gy, or gy | 1.00 | 1.22 | 6.70 | 0.18 | 1.82 | 67 | 368 | 2.2 | 0.45 | 435 | 0181-3L |
| 2984.00 | cut | S/Sst : w to lt gy, or gy | 0.76 | 0.22 | 2.34 | 0.09 | 0.41 | 54 | 571 | 1.0 | 0.78 | 375 | 0184-1L |
| 3029.00 | cut | S/Sst : w to lt gy, or gy | 0.18 | 0.12 | 1.00 | 0.12 | 0.28 | 43 | 357 | 0.3 | 0.60 | 433 | 0189-1L |
| 3068.00 | cut | Coal : blk | 10.57 | 155.40 | 4.82 | 32.24 | 72.95 | 213 | 7 | 166.0 | 0.06 | 430 | 0195-3L |
| 3086.00 | cut | S/Sst : w to lt gy, or gy | 0.42 | 0.50 | 1.52 | 0.33 | 0.64 | 78 | 238 | 0.9 | 0.46 | 377 | 0198-1L |
| 3116.00 | cut | S/Sst : w to lt gy | 0.18 | 0.34 | 0.52 | 0.65 | 0.47 | 72 | 111 | 0.5 | 0.35 | 434 | 0203-1L |
| 3146.00 | cut | S/Sst : w to lt gy | 0.14 | 0.09 | 0.78 | 0.12 | 0.15 | 60 | 520 | 0.2 | 0.61 | 436 | 0208-1L |
| 3170.00 | cut | Sh/Clst: dsk y brn to drk ol gy | 0.01 | 0.10 | 2.20 | 0.05 | 0.12 | 83 | 1833 | 0.1 | 0.09 | 360 | 0212-4L |
| 3176.00 | cut | Sh/Clst: dsk y brn to drk ol gy to gn gy | - | 0.05 | 0.40 | 0.13 | 0.11 | 45 | 364 | 0.1 | - | 301 | 0213-4L |
| 3194.00 | cut | S/Sst : w to lt gy | - | 0.04 | 0.09 | 0.44 | 0.03 | 133 | 300 | - | - | - | 0216-1L |
| 3218.00 | cut | S/Sst : w to lt gy | 0.22 | 0.11 | 0.68 | 0.16 | 0.15 | 73 | 453 | 0.3 | 0.67 | 336 | 0220-1L |
| 3230.00 | cut | Coal : blk | 10.43 | 215.86 | 8.04 | 26.85 | 66.60 | 324 | 12 | 226.3 | 0.05 | 429 | 0222-4L |
| 3248.00 | cut | S/Sst : w | 0.27 | 0.40 | 3.89 | 0.10 | 0.67 | 60 | 581 | 0.7 | 0.40 | 388 | 0225-1L |

Table 2 : Rock-Eval table for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | S1 | S2 | S3 | S2/S3 | TOC | HI | OI | PP | PI | Tmax | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3272.00 | cut | S/Sst : w | 0.49 | 0.94 | 4.40 | 0.21 | 0.92 | 102 | 478 | 1.4 | 0.34 | 326 | 0229-1L |
| 3290.00 | cut | Sltst : pi to red brn | 0.33 | 0.75 | 2.46 | 0.30 | 0.77 | 97 | 319 | 1.1 | 0.31 | 339 | 0232-4L |
| 3308.00 | cut | S/Sst : w | 0.07 | 0.11 | 0.52 | 0.21 | 0.11 | 100 | 473 | 0.2 | 0.39 | 337 | 0235-1L |
| 3338.00 | cut | Sh/Clst: red brn | 0.41 | 0.42 | 0.41 | 1.02 | 0.19 | 221 | 216 | 0.8 | 0.49 | 340 | 0239-3L |
| 3375.00 | cut | S/Sst : w | 0.04 | 0.05 | 0.21 | 0.24 | 0.08 | 63 | 263 | 0.1 | 0.44 | 327 | 0245-1L |

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | C1 | C2-C5 | C6-C14 | C15+ | S2 from Rock-Eval | Sample |
|---|---|---|---|---|---|---|---|---|
| 1826.00 | cut | Sh/Clst: drk gy | 6.53 | 26.60 | 50.92 | 15.96 | 4.55 | 0014-3L |
| 1841.80 | ccp | S/Sst : lt gy | 3.88 | 23.21 | 53.38 | 19.54 | 0.99 | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | 2.50 | 30.34 | 46.81 | 20.35 | 1.60 | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | 2.99 | 29.87 | 48.67 | 18.47 | 2.84 | 0003-1L |
| 1866.30 | ccp | Sltst : lt gy | 13.65 | 26.09 | 46.05 | 14.22 | 2.97 | 0006-1L |
| 2108.00 | cut | Sltst : ol gy | 12.64 | 28.43 | 45.73 | 13.20 | 1.71 | 0051-3L |
| 2132.00 | cut | Sltst : ol gy | 15.42 | 24.24 | 46.59 | 13.46 | 1.71 | 0055-3L |
| 2156.00 | cut | Sltst : ol gy to drk gy | 8.43 | 27.67 | 47.60 | 16.30 | 1.45 | 0059-3L |
| 2186.00 | cut | Sltst : ol gy | 9.92 | 30.98 | 47.02 | 12.09 | 0.87 | 0064-2L |
| 2300.00 | cut | Sltst : ol gy to lt ol gy | 11.35 | 26.78 | 46.36 | 15.51 | 2.10 | 0083-1L |
| 2348.00 | cut | Sltst : ol gy to lt ol gy | 14.02 | 28.61 | 43.90 | 13.15 | 1.12 | 0091-1L |
| 2390.00 | cut | Sltst : ol gy to lt ol gy | 12.47 | 23.81 | 47.01 | 16.36 | 2.66 | 0097-1L |
| 2438.00 | cut | Ca : lt ol gy to m drk gy | 4.91 | 25.89 | 49.83 | 19.34 | 2.87 | 0105-2L |
| 2474.00 | cut | Sltst : ol gy to lt ol gy | 5.73 | 24.31 | 51.07 | 18.58 | 2.52 | 0111-1L |

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Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | C1 | C2-C5 | C6-C14 | C15+ | S2 from Rock-Eval | Sample |
|---|---|---|---|---|---|---|---|---|
| 2534.00 | cut | Sltst : ol gy to lt ol gy | 7.91 | 24.90 | 49.69 | 17.34 | 1.10 | 0121-1L |
| 2576.00 | cut | Coal : blk | 26.93 | 18.64 | 35.02 | 19.03 | 74.80 | 0128-2L |
| 2654.00 | cut | S/Sst : w | 12.12 | 32.82 | 39.74 | 15.33 | 0.27 | 0141-3L |
| 2798.00 | cut | Sltst : lt ol gy to ol gy | 7.95 | 23.11 | 50.04 | 18.47 | 3.54 | 0161-1L |
| 2831.00 | cut | Sltst : lt ol gy to ol gy | 8.84 | 26.56 | 51.19 | 13.42 | 2.36 | 0164-1L |
| 2882.00 | cut | S/Sst : w to y red to lt gy | 14.31 | 24.53 | 49.30 | 11.87 | 0.21 | 0168-2L |
| 2912.00 | cut | Sh/Clst: lt gy to m gy, or gy | 12.95 | 26.62 | 47.78 | 12.65 | 1.10 | 0172-3L |
| 2984.00 | cut | S/Sst : w to lt gy, or gy | 12.48 | 23.87 | 49.55 | 14.11 | 0.22 | 0184-1L |
| 3086.00 | cut | S/Sst : w to lt gy, or gy | 8.93 | 61.08 | 24.32 | 5.54 | 0.50 | 0198-1L |
| 3230.00 | cut | Coal : blk | 10.56 | 11.06 | 53.32 | 25.06 | 215.86 | 0222-4L |
| 3338.00 | cut | Sh/Clst: red brn | - | - | - | - | 0.42 | 0239-3L |

Table 4 a: Weight of EOM and Chromatographic Fraction for well NOCS 31/2-8



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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1841.80 | ccp | S/Sst : lt gy | 5.3 | 32.4 | 19.5 | 6.3 | 0.7 | 5.9 | 25.8 | 6.6 | 0.56 | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | 6.0 | 73.5 | 36.8 | 11.7 | 0.9 | 24.1 | 48.5 | 25.0 | 1.04 | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | 4.7 | 49.3 | 15.8 | 7.6 | 2.5 | 23.4 | 23.4 | 25.9 | 0.98 | 0003-1L |
| 1866.30 | com | Composite sample - see table 4 e | 6.4 | 22.4 | 4.5 | 4.5 | 1.7 | 11.7 | 9.0 | 13.4 | 1.99 | 0247-0B |
| 2186.00 | com | Composite sample - see table 4 e | 3.6 | 9.4 | 2.4 | 0.4 | 1.0 | 5.5 | 2.9 | 6.6 | 1.87 | 0248-0B |
| 2348.00 | com | Composite sample - see table 4 e | 2.6 | 5.6 | 1.8 | 0.3 | 0.3 | 3.2 | 2.1 | 3.5 | 1.12 | 0249-0B |
| 2414.00 | com | Composite sample - see table 4 e | 2.8 | 9.1 | 2.7 | 1.0 | 0.5 | 4.9 | 3.8 | 5.4 | 1.97 | 0250-0B |
| 2492.00 | com | Composite sample - see table 4 e | 2.7 | 8.4 | 3.5 | 1.2 | 0.1 | 3.6 | 4.7 | 3.8 | 1.90 | 0251-0B |
| 2552.00 | com | Composite sample - see table 4 e | 3.2 | 6.0 | 2.0 | 0.8 | 0.4 | 2.9 | 2.7 | 3.3 | 1.09 | 0252-0B |
| 2612.00 | com | Composite sample - see table 4 e | 2.5 | 69.7 | 11.1 | 8.9 | 31.0 | 18.7 | 20.0 | 49.7 | 60.00 | 0253-0B |
| 2798.00 | com | Composite sample - see table 4 e | 2.4 | 7.8 | 0.9 | 1.4 | 0.9 | 4.7 | 2.3 | 5.6 | 1.47 | 0254-0B |
| 3230.00 | com | Composite sample - see table 4 e | 0.8 | 35.2 | 5.9 | 2.0 | 23.4 | 3.9 | 7.9 | 27.3 | 52.20 | 0256-0B |

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 31/2-8 

Depth unit of measure: m

| Depth | Typ | Lithology | EOM | Sat | Aro | Asph | NSO | HC | Non-HC | Sample |
|---|---|---|---|---|---|---|---|---|---|---|
| 1841.80 | ccp | S/Sst : lt gy | 6101 | 3681 | 1177 | 131 | 1111 | 4858 | 1242 | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | 12209 | 6104 | 1945 | 149 | 4009 | 8049 | 4159 | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | 10400 | 3335 | 1607 | 527 | 4930 | 4943 | 5457 | 0003-1L |
| 1866.30 | com | Composite sample - see table 4 e | 3472 | 694 | 694 | 263 | 1820 | 1389 | 2083 | 0247-0B |
| 2186.00 | com | Composite sample - see table 4 e | 2618 | 668 | 125 | 278 | 1545 | 793 | 1824 | 0248-0B |
| 2348.00 | com | Composite sample - see table 4 e | 2178 | 700 | 116 | 116 | 1245 | 817 | 1361 | 0249-0B |
| 2414.00 | com | Composite sample - see table 4 e | 3204 | 950 | 369 | 176 | 1707 | 1320 | 1883 | 0250-0B |
| 2492.00 | com | Composite sample - see table 4 e | 3099 | 1273 | 442 | 36 | 1346 | 1715 | 1383 | 0251-0B |
| 2552.00 | com | Composite sample - see table 4 e | 1857 | 603 | 232 | 123 | 897 | 835 | 1021 | 0252-0B |
| 2612.00 | com | Composite sample - see table 4 e | 27880 | 4456 | 3544 | 12400 | 7479 | 8000 | 19880 | 0253-0B |
| 2798.00 | com | Composite sample - see table 4 e | 3277 | 378 | 567 | 378 | 1953 | 945 | 2331 | 0254-0B |
| 3230.00 | com | Composite sample - see table 4 e | 45128 | 7576 | 2525 | 30000 | 5025 | 10102 | 35025 | 0256-0B |

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 31/2-8 

Depth unit of measure: m

| Depth | Typ | Lithology | EOM | Sat | Aro | Asph | NSO | HC | Non-HC | Sample |
|---|---|---|---|---|---|---|---|---|---|---|
| 1841.80 | ccp | S/Sst : lt gy | 1089.59 | 657.45 | 210.18 | 23.54 | 198.41 | 867.64 | 221.95 | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | 1173.97 | 586.99 | 187.04 | 14.38 | 385.57 | 774.02 | 399.95 | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | 1061.31 | 340.35 | 164.04 | 53.82 | 503.10 | 504.39 | 556.92 | 0003-1L |
| 1866.30 | com | Composite sample - see table 4 e | 174.52 | 34.90 | 34.90 | 13.24 | 91.47 | 69.81 | 104.71 | 0247-0B |
| 2186.00 | com | Composite sample - see table 4 e | 140.02 | 35.75 | 6.70 | 14.90 | 82.67 | 42.45 | 97.57 | 0248-0B |
| 2348.00 | com | Composite sample - see table 4 e | 194.55 | 62.53 | 10.42 | 10.42 | 111.17 | 72.96 | 121.60 | 0249-0B |
| 2414.00 | com | Composite sample - see table 4 e | 162.65 | 48.26 | 18.77 | 8.94 | 86.69 | 67.03 | 95.62 | 0250-0B |
| 2492.00 | com | Composite sample - see table 4 e | 163.14 | 67.00 | 23.31 | 1.94 | 70.89 | 90.31 | 72.83 | 0251-0B |
| 2552.00 | com | Composite sample - see table 4 e | 170.42 | 55.39 | 21.30 | 11.36 | 82.37 | 76.69 | 93.73 | 0252-0B |
| 2612.00 | com | Composite sample - see table 4 e | 46.47 | 7.43 | 5.91 | 20.67 | 12.47 | 13.33 | 33.13 | 0253-0B |
| 2798.00 | com | Composite sample - see table 4 e | 222.95 | 25.72 | 38.59 | 25.72 | 132.91 | 64.31 | 158.63 | 0254-0B |
| 3230.00 | com | Composite sample - see table 4 e | 86.45 | 14.52 | 4.84 | 57.47 | 9.63 | 19.35 | 67.10 | 0256-0B |

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | Sat / EOM | Aro / EOM | Asph / EOM | NSO / EOM | HC / EOM | Non-HC / EOM | Sat / Aro | HC / Non-HC | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1841.80 | ccp | S/Sst : lt gy | 60.34 | 19.29 | 2.16 | 18.21 | 79.63 | 20.37 | 312.80 | 390.91 | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | 50.00 | 15.93 | 1.22 | 32.84 | 65.93 | 34.07 | 313.83 | 193.53 | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | 32.07 | 15.46 | 5.07 | 47.40 | 47.53 | 52.47 | 207.48 | 90.57 | 0003-1L |
| 1866.30 | com | Composite sample - see table 4 e | 20.00 | 20.00 | 7.59 | 52.41 | 40.00 | 60.00 | 100.00 | 66.67 | 0247-0B |
| 2186.00 | com | Composite sample - see table 4 e | 25.53 | 4.79 | 10.64 | 59.04 | 30.32 | 69.68 | 533.33 | 43.51 | 0248-0B |
| 2348.00 | com | Composite sample - see table 4 e | 32.14 | 5.36 | 5.36 | 57.14 | 37.50 | 62.50 | 600.00 | 60.00 | 0249-0B |
| 2414.00 | com | Composite sample - see table 4 e | 29.67 | 11.54 | 5.49 | 53.30 | 41.21 | 58.79 | 257.14 | 70.09 | 0250-0B |
| 2492.00 | com | Composite sample - see table 4 e | 41.07 | 14.29 | 1.19 | 43.45 | 55.36 | 44.64 | 287.50 | 124.00 | 0251-0B |
| 2552.00 | com | Composite sample - see table 4 e | 32.50 | 12.50 | 6.67 | 48.33 | 45.00 | 55.00 | 260.00 | 81.82 | 0252-0B |
| 2612.00 | com | Composite sample - see table 4 e | 15.98 | 12.71 | 44.48 | 26.83 | 28.69 | 71.31 | 125.73 | 40.24 | 0253-0B |
| 2798.00 | com | Composite sample - see table 4 e | 11.54 | 17.31 | 11.54 | 59.62 | 28.85 | 71.15 | 66.67 | 40.54 | 0254-0B |
| 3230.00 | com | Composite sample - see table 4 e | 16.79 | 5.60 | 66.48 | 11.14 | 22.39 | 77.61 | 300.00 | 28.84 | 0256-0B |

Table 4eList of composite samples appearing in well NOCS 31/2-8 

Depth unit of measure: m

NOTE: Depths shown in results tables correspond to the composite samples' lower depth.

| Upper depth | Lower depth | Typ | Sample | | Depth | Typ | Lithology | Sample |
|---|---|---|---|---|---|---|---|---|
| 1826.00 | 1832.00 | com | 0246-0 | is composed of: | 1826.00 | cut | Sh/Clst: drk gy, mic | 014-3 |
| | | | | | 1832.00 | cut | Sh/Clst: drk gy, mic | 015-3 |
| 1861.34 | 1866.30 | com | 0247-0 | is composed of: | 1861.34 | ccp | Sltst : lt gy | 005-1 |
| | | | | | 1866.30 | ccp | Sltst : lt gy, carb, mic | 006-1 |
| 2132.00 | 2186.00 | com | 0248-0 | is composed of: | 2132.00 | cut | Sltst : ol gy, calc | 055-3 |
| | | | | | 2144.00 | cut | Sltst : ol gy, calc | 057-3 |
| | | | | | 2156.00 | cut | Sltst : ol gy to drk gy, calc | 059-3 |
| | | | | | 2168.00 | cut | Sltst : ol gy, calc | 061-2 |
| | | | | | 2180.00 | cut | Sltst : ol gy, calc | 063-2 |
| | | | | | 2186.00 | cut | Sltst : ol gy, calc | 064-2 |
| 2276.00 | 2348.00 | com | 0249-0 | is composed of: | 2276.00 | cut | Sltst : ol gy to lt ol gy, calc | 079-3 |
| | | | | | 2300.00 | cut | Sltst : ol gy to lt ol gy, calc | 083-1 |
| | | | | | 2312.00 | cut | Sltst : ol gy to lt ol gy, calc | 085-1 |
| | | | | | 2336.00 | cut | Sltst : ol gy to lt ol gy, calc | 089-1 |
| | | | | | 2348.00 | cut | Sltst : ol gy to lt ol gy, calc | 091-1 |
| 2360.00 | 2414.00 | com | 0250-0 | is composed of: | 2360.00 | cut | Sltst : ol gy to lt ol gy, calc | 093-1 |
| | | | | | 2390.00 | cut | Sltst : ol gy to lt ol gy, calc | 097-1 |
| | | | | | 2414.00 | cut | Sltst : ol gy to lt ol gy, calc | 101-1 |

Depth unit of measure: m

NOTE: Depths shown in results tables correspond to the composite samples' lower depth.

| Upper depth | Lower depth | Typ | Sample | | Depth | Typ | Lithology | Sample |
|---|---|---|---|---|---|---|---|---|
| 2432.00 | 2492.00 | com | 0251-0 | is composed of: | 2432.00 | cut | Sltst : ol gy to lt ol gy, calc | 104-1 |
| | | | | | 2462.00 | cut | Sltst : ol gy to lt ol gy, calc | 109-1 |
| | | | | | 2492.00 | cut | Sltst : ol gy to lt ol gy, calc | 114-1 |
| 2534.00 | 2552.00 | com | 0252-0 | is composed of: | 2534.00 | cut | Sltst : ol gy to lt ol gy, calc | 121-1 |
| | | | | | 2552.00 | cut | Sltst : w to lt ol gy, calc, carb | 124-1 |
| 2576.00 | 2612.00 | com | 0253-0 | is composed of: | 2576.00 | cut | Coal : blk | 128-2 |
| | | | | | 2612.00 | cut | Coal : blk | 134-1 |
| 2777.00 | 2798.00 | com | 0254-0 | is composed of: | 2777.00 | cut | Sltst : lt ol gy to ol gy, calc | 158-1 |
| | | | | | 2798.00 | cut | Sltst : lt ol gy to ol gy, calc | 161-1 |
| 3068.00 | 3230.00 | com | 0256-0 | is composed of: | 3068.00 | cut | Coal : blk | 195-3 |
| | | | | | 3230.00 | cut | Coal : blk | 222-4 |

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | Pristane nC17 | Pristane Phytane | Pristane + Phytane nC17 + nC18 | Phytane nC18 | CPI | Sample |
|---|---|---|---|---|---|---|---|---|
| 1841.80 | ccp | S/Sst : lt gy | 0.59 | 1.76 | 0.45 | 0.32 | 1.13 | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | 0.68 | 1.66 | 0.56 | 0.43 | 1.11 | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | 0.49 | 2.18 | 0.48 | 0.47 | - | 0003-1L |
| 1866.30 | com | bulk | 0.69 | 2.37 | 0.62 | 0.49 | 2.25 | 0247-0B |
| 2186.00 | com | bulk | 0.51 | 1.20 | 0.47 | 0.44 | 1.28 | 0248-0B |
| 2348.00 | com | bulk | 0.64 | 1.32 | 0.57 | 0.50 | 1.16 | 0249-0B |
| 2414.00 | com | bulk | 0.62 | 1.21 | 0.57 | 0.53 | 1.26 | 0250-0B |
| 2492.00 | com | bulk | 0.58 | 1.25 | 0.55 | 0.51 | 1.13 | 0251-0B |
| 2552.00 | com | bulk | 0.65 | 1.18 | 0.60 | 0.54 | 1.21 | 0252-0B |
| 2612.00 | com | bulk | 1.26 | 3.23 | 1.03 | 0.64 | 1.95 | 0253-0B |
| 2798.00 | com | bulk | 0.64 | 1.80 | 0.55 | 0.43 | 1.46 | 0254-0B |
| 3230.00 | com | bulk | 0.57 | 1.22 | 0.52 | 0.47 | 1.12 | 0256-0B |

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | MNR | DMNR | BPhR | 2/1MP | MPI1 | MPI2 | Rc | DBT/P | 4/1MDBT | (3+2) /1MDBT | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1841.80 | ccp | S/Sst : lt gy | - | - | - | 1.37 | 0.90 | 1.12 | 0.94 | - | - | - | 0001-1L |
| 1846.70 | ccp | S/Sst : lt y gy | - | - | - | 0.95 | 0.80 | 0.83 | 0.88 | 0.34 | - | - | 0002-1L |
| 1851.35 | ccp | S/Sst : lt y gy | - | - | - | 1.00 | 0.86 | 0.96 | 0.92 | - | - | - | 0003-1L |
| 1866.30 | com | bulk | 1.01 | 2.12 | 0.35 | 1.29 | 0.67 | 0.90 | 0.80 | - | - | - | 0247-0B |
| 2186.00 | com | bulk | 0.97 | 1.34 | 0.14 | 1.15 | 0.76 | 0.86 | 0.86 | - | - | - | 0248-0B |
| 2348.00 | com | bulk | 1.17 | 1.51 | 0.31 | 1.01 | 0.72 | 0.78 | 0.83 | - | - | - | 0249-0B |
| 2414.00 | com | bulk | 1.17 | 1.47 | 0.29 | 1.04 | 0.71 | 0.81 | 0.83 | 0.37 | 9.54 | 1.50 | 0250-0B |
| 2492.00 | com | bulk | 1.04 | 1.26 | 0.17 | 1.09 | 0.80 | 0.88 | 0.88 | 0.50 | 8.30 | 1.22 | 0251-0B |
| 2552.00 | com | bulk | 0.95 | 1.39 | 0.16 | 1.03 | 0.74 | 0.82 | 0.84 | 0.40 | 11.82 | 1.67 | 0252-0B |
| 2612.00 | com | bulk | 1.25 | 1.37 | 0.35 | 0.66 | 0.43 | 0.45 | 0.66 | - | - | - | 0253-0B |
| 2798.00 | com | bulk | 0.97 | 1.40 | 0.09 | 1.02 | 0.45 | 0.54 | 0.67 | - | - | - | 0254-0B |
| 3230.00 | com | bulk | 1.07 | 1.28 | 0.11 | 1.32 | 0.62 | 0.74 | 0.77 | - | - | - | 0256-0B |

Table 7 : Thermal Maturity Data for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | Vitrinite Reflectance (%) | Number of Readings | Standard Deviation | Spore Fluorescence Colour | SCI | Tmax (°C) | Sample |
|---|---|---|---|---|---|---|---|---|---|
| 1808.00 | cut | Sh/Clst: m gy | - | - | - | - | 4.0-4.5 | 430 | 0012-1L |
| 1826.00 | cut | Sh/Clst: drk gy | - | - | - | - | 4.0(??) | 420 | 0014-3L |
| 1832.00 | cut | bulk | 0.55 | 3 | 0.03 | 4-5 | - | - | 0015-0B |
| 1866.30 | ccp | Sltst : lt gy | - | - | - | - | 3.5-4.0 | 409 | 0006-1L |
| 1881.00 | ccp | bulk | 0.50 | 3 | 0.02 | 4-5 | - | - | 0009-0B |
| 1978.00 | cut | Sltst : ol gy | - | - | - | - | 3.5-4.0 | 424 | 0031-3L |
| 1985.00 | cut | bulk | 0.34 | 14 | 0.02 | 4 (??) | - | - | 0032-0B |
| 2030.00 | cut | Sltst : ol gy | - | - | - | - | 4.0 | 422 | 0040-3L |
| 2090.00 | cut | bulk | 0.41 | 19 | 0.03 | 4-5 (?) | - | - | 0049-0B |
| 2090.00 | cut | Sltst : ol gy | - | - | - | - | 4.0-4.5 | 425 | 0049-3L |
| 2180.00 | cut | bulk | 0.43 | 17 | 0.05 | 5 | - | - | 0063-0B |
| 2180.00 | cut | Sltst : ol gy | - | - | - | - | 4.5 | 431 | 0063-2L |
| 2288.00 | cut | Sltst : ol gy to lt ol gy | - | - | - | - | 4.5-5.0 | 431 | 0081-2L |
| 2312.00 | cut | bulk | 0.37 | 2 | 0.01 | 4-5 (?) | - | - | 0085-0B |

Table 7 : Thermal Maturity Data for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Typ | Lithology | Vitrinite Reflectance (%) | Number of Readings | Standard Deviation | Spore Fluorescence Colour | SCI | Tmax (°C) | Sample |
|---|---|---|---|---|---|---|---|---|---|
| 2348.00 | cut | Sltst : ol gy to lt ol gy | - | - | - | - | 4.5 | 428 | 0091-1L |
| 2402.00 | cut | Sltst : ol gy to lt ol gy | - | - | - | - | 4.5-5.0 | 424 | 0099-1L |
| 2414.00 | cut | bulk | 0.44 | 18 | 0.06 | 5 | - | - | 0101-0B |
| 2474.00 | cut | Sltst : ol gy to lt ol gy | - | - | - | - | 5.0 | 428 | 0111-1L |
| 2492.00 | cut | bulk | 0.50 | 3 | 0.11 | 5 | - | - | 0114-0B |
| 2552.00 | cut | Sltst : w to lt ol gy | - | - | - | - | 5.0 | 425 | 0124-1L |
| 2594.00 | cut | bulk | 0.60 | 25 | 0.05 | 4-5 | - | - | 0131-0B |
| 2612.00 | cut | Coal : blk | - | - | - | - | 5.0 | 435 | 0134-1L |
| 2669.00 | cut | bulk | 0.59 | 19 | 0.05 | 6 | - | - | 0143-0B |
| 2798.00 | cut | bulk | 0.59 | 10 | 0.03 | 4-5 | - | - | 0161-0B |
| 2798.00 | cut | Sltst : lt ol gy to ol gy | - | - | - | - | 5.0 | 432 | 0161-1L |
| 2930.00 | cut | bulk | 0.54 | 9 | 0.08 | 5 (?) | - | - | 0175-0B |
| 2966.00 | cut | bulk | 0.52 | 14 | 0.05 | 5-6 | - | - | 0181-0B |
| 2966.00 | cut | Sh/Clst: lt gy to m gy, or gy | - | - | - | - | 5.5 | 435 | 0181-3L |

Table 7 : Thermal Maturity Data for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | Vitrinite Reflectance (%) | Number of Readings | Standard Deviation | Spore Fluorescence Colour | SCI | Tmax (°C) | Sample |
|---|---|---|---|---|---|---|---|---|---|
| 3068.00 | cut | bulk | 0.56 | 18 | 0.09 | 5-6 | - | - | 0195-0B |
| 3068.00 | cut | Coal : blk | - | - | - | - | 3.0-5.0 | 430 | 0195-3L |
| 3170.00 | cut | Sh/Clst: dsk y brn to drk ol gy | - | - | - | - | NDP | 360 | 0212-4L |
| 3230.00 | cut | bulk | 0.44 | 18 | 0.06 | 6-7 (?) | - | - | 0222-0B |
| 3230.00 | cut | Coal : blk | - | - | - | - | 3.0-5.0 | 429 | 0222-4L |
| 3290.00 | cut | bulk | NDP | - | - | 5 (?) | - | - | 0232-0B |
| 3338.00 | cut | Sh/Clst: red brn | - | - | - | - | NDP | 340 | 0239-3L |

Table 8 : Visual Kerogen Composition Data for well NOCS 31/2-8

Depth unit of measure: m

| Depth | Typ | Lithology | LIPT % | Amor L | LipDet | Sp/Pol | Cuticl | Relsin | Algae | Dinofl | Acrit | Bit L | INERT % | Fusin | Semfus | Sentdet | Micrin | Sclero | Bit I | VITR % | Telin | Colin | Vitdet | Amorv | Bitv | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1808.00 | cut | Sh/Clst: m gy | 40 | * | ** | * | * | | * | * | | | 10 | | | * | | | | 50 | * | | ** | | | 0012-1L |
| 1826.00 | cut | Sh/Clst: drk gy | 45 | * | ** | * | | | ** | * | | * | 5 | * | | ** | | | | 50 | * | | ** | ** | | 0014-3L |
| 1866.30 | ccp | Sltst : lt gy | 10 | | | * | * | | ** | | | | 5 | * | * | | | | | 85 | ** | ** | * | * | | 0006-1L |
| 1978.00 | cut | Sltst : ol gy | 15 | | * | * | ** | | ** | * | | | 10 | | * | ** | | | | 75 | ** | * | * | | | 0031-3L |
| 2030.00 | cut | Sltst : ol gy | 30 | | ** | * | | | ** | * | | * | 35 | ** | * | ** | | | | 35 | * | * | ** | | | 0040-3L |
| 2090.00 | cut | Sltst : ol gy | 20 | | * | * | * | | ** | * | | | 20 | | | * | | | | 60 | * | | ** | | | 0049-3L |
| 2180.00 | cut | Sltst : ol gy | 40 | | ** | * | | | ** | * | | | 10 | | | * | | | | 50 | ** | * | ** | | | 0063-2L |
| 2288.00 | cut | Sltst : ol gy to lt ol gy | 40 | | ** | * | * | | ** | * | | | 5 | | | * | | | | 55 | * | | * | | | 0081-2L |
| 2348.00 | cut | Sltst : ol gy to lt ol gy | 50 | | | * | * | | ** | | | | 5 | | * | | | | | 45 | ** | ** | * | | | 0091-1L |
| 2402.00 | cut | Sltst : ol gy to lt ol gy | 65 | * | ** | * | ** | | ** | * | | | 5 | | | * | | | | 30 | * | * | ** | * | | 0099-1L |
| 2474.00 | cut | Sltst : ol gy to lt ol gy | 60 | * | * | ** | ** | | ** | * | | | 15 | | * | * | | | | 25 | * | | | | | 0111-1L |
| 2552.00 | cut | Sltst : w to lt ol gy | 25 | * | ** | * | * | | ** | | | | 10 | * | * | | | | | 65 | ** | * | | | | 0124-1L |

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Depth unit of measure: m

| Depth | Typ | Lithology | LIPT % | Amor L | Lip Det | Sp/Pol | Cutic | Resin | Alga e | Dinof l | Acrit | Bit L | INERT % | Fusin | Sem Fus | Sint Det | Micrin | Sclero | Bit I | VITR % | Telin | Colin | Vit Det | Amor V | Bit V | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2612.00 | cut | Coal : blk | 5 | | * | * | | | * | | | | 40 | * | ** | | | | | 55 | * | * | | | | 0134-1L |
| 2798.00 | cut | Sltst : lt ol gy to ol gy | 80 | ** | * | * | * | | * | * | | | 5 | | | * | | | | 15 | * | | * | | | 0161-1L |
| 2966.00 | cut | Sh/Clst: lt gy to m gy, or gy | 50 | | * | * | ** | | ** | * | | | 15 | * | * | * | | | | 35 | * | | | | | 0181-3L |
| 3068.00 | cut | Coal : blk | TR | | | * | * | | * | | | | 5 | | * | | | | | 95 | ** | * | | | | 0195-3L |
| 3170.00 | cut | Sh/Clst: dsk y brn to drk ol gy | NDP | | | | | | | | | | NDP | | | | | | | NDP | | | | | | 0212-4L |
| 3230.00 | cut | Coal : blk | TR | | | * | * | | * | | | | TR | | * | | | | | 100 | ** | * | | | | 0222-4L |
| 3338.00 | cut | Sh/Clst: red brn | NDP | | | | | | | | | | NDP | | | | | | | NDP | | | | | | 0239-3L |

Table 9A : Tabulation of carbon isotope data for EOM/EOM - fractions or Oils for well NOCS 31/2-8 

Depth unit of measure: m

| Depth | Typ | Lithology | EOM/Oil | Saturated | Aromatic | NSO | Asphaltenes | Kerogen | Sample |
|---|---|---|---|---|---|---|---|---|---|
| 1846.70 | ccp | | -27.91 | -29.09 | -27.54 | -27.87 | -27.90 | - | 0002-1L |
| 1851.35 | ccp | | -28.67 | -29.21 | -27.77 | -28.10 | -27.51 | - | 0003-1L |
| 2186.00 | com | Composite sample | - | -27.72 | -26.66 | -27.16 | -25.52 | - | 0248-0B |
| 2414.00 | com | Composite sample | - | -28.24 | -26.54 | -26.96 | -25.38 | - | 0250-0B |
| 2612.00 | com | Composite sample | -25.33 | -27.51 | -25.97 | -25.65 | -25.02 | - | 0253-0B |
| 2798.00 | com | Composite sample | - | -28.01 | -27.34 | -28.01 | -27.87 | - | 0254-0B |

Table 9B : Tabulation of cv values from carbon isotope data for well NOCS 31/2-8



Depth unit of measure: m

| Depth | Typ | Lithology | | Saturated | Aromatic | cv value | Sample |
|---|---|---|---|---|---|---|---|
| 1846.70 | ccp | | | -29.09 | -27.54 | 0.81 | 0002-1L |
| 1851.35 | ccp | | | -29.21 | -27.77 | 0.60 | 0003-1L |
| 2186.00 | com | Composite sample | | -27.72 | -26.66 | -0.70 | 0248-0B |
| 2414.00 | com | Composite sample | | -28.24 | -26.54 | 0.88 | 0250-0B |
| 2612.00 | com | Composite sample | | -27.51 | -25.97 | 0.30 | 0253-0B |
| 2798.00 | com | Composite sample | | -28.01 | -27.34 | -1.48 | 0254-0B |

Table 10A: Variation in Triterpane Distribution for Well NOCS 31/2-8



Depth unit of measure: m

| Depth | Lithology | B/A | B/B+A | B B+E+F | C/E | C/C+E | X/E | Z/E | Z/C | Z/Z+E | Q/E | E/E+F | C+D C+D+E+F | D+F/C+E | J1 J1+J2% | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1846.70 | S/Sst | 0.51 | 0.34 | 0.09 | 0.39 | 0.28 | 0.21 | 0.24 | 0.60 | 0.19 | 0.06 | 0.90 | 0.29 | 0.12 | 59.18 | 0002-1 |
| 1851.35 | S/Sst | 0.35 | 0.26 | 1.00 | - | 1.00 | - | - | 0.74 | 1.00 | - | - | 1.00 | 0.20 | - | 0003-1 |
| 2186.00 | Sltst | 3.47 | 0.78 | 0.28 | 0.72 | 0.42 | 0.07 | 1.95 | 2.69 | 0.66 | 0.87 | 0.81 | 0.42 | 0.24 | - | 0248-0 |
| 2414.00 | Sltst | 2.54 | 0.72 | 0.22 | 0.74 | 0.43 | 0.09 | 0.69 | 0.93 | 0.41 | 0.54 | 0.80 | 0.44 | 0.28 | 40.08 | 0250-0 |
| 2612.00 | Coal | - | 1.00 | 0.29 | 0.55 | 0.36 | 0.04 | - | - | - | 0.01 | 0.67 | 0.37 | 0.54 | 49.75 | 0253-0 |
| 2798.00 | Sltst | - | 1.00 | 0.42 | 1.04 | 0.51 | 0.07 | - | - | - | 0.14 | 0.78 | 0.51 | 0.27 | 61.25 | 0254-0 |

Table 10B: Variation in Sterane Distribution (peak height) for Well NOCS 31/2-8 

Depth unit of measure: m

| Depth | Lithology | Ratio1 | Ratio2 | Ratio3 | Ratio4 | Ratio5 | Ratio6 | Ratio7 | Ratio8 | Ratio9 | Ratio10 | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1846.70 | S/Sst | 0.84 | 44.55 | 74.27 | 1.02 | 0.76 | 0.20 | 0.14 | 0.59 | 0.80 | 2.60 | 0002-1 |
| 1851.35 | S/Sst | 0.82 | 57.04 | 70.79 | 1.04 | 0.68 | 0.35 | 0.24 | 0.55 | 1.33 | 2.82 | 0003-1 |
| 2186.00 | Sltst | 0.84 | 23.00 | 70.74 | 1.22 | 0.84 | 0.82 | 0.76 | 0.55 | 0.30 | 1.57 | 0248-0 |
| 2414.00 | Sltst | 0.75 | 17.88 | 69.42 | 1.07 | 0.86 | 0.60 | 0.50 | 0.53 | 0.22 | 1.38 | 0250-0 |
| 2612.00 | Coal | 1.00 | 12.22 | 57.21 | 0.14 | 0.85 | 0.11 | 0.10 | 0.40 | 0.14 | 0.76 | 0253-0 |
| 2798.00 | Sltst | - | - | - | - | - | - | - | - | - | - | 0254-0 |

Ratio1: a / a + j
Ratio2: q / q + t * 100%
Ratio3: 2(r + s)/(q + t + 2(r + s)) * 100%
Ratio4: a + b + c + d / h + k + l + n
Ratio5: r + s / r + s + q
Ratio6: u + v / u + v + q + r + s + t
Ratio7: u + v / u + v + i + m + n + q + r + s + t
Ratio8: r + s / q + r + s + t
Ratio9: q / t
Ratio10: r + s / t

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 | | | |
| 1846.70 | S/Sst | 125.07 | 86.16 | 64.43 | 88.01 | 43.74 | 326.25 | 166.98 | 357.40 | 595.20 | 0002-1 |
| | | 312.25 | 89.62 | 1506.93 | 167.63 | 565.76 | 367.45 | 50.61 | 407.88 | | |
| | | 281.38 | 377.25 | 251.49 | 281.22 | 171.52 | 226.28 | 145.09 | | | |
| 1851.35 | S/Sst | 136.12 | 136.85 | 82.87 | 106.38 | 60.16 | 344.83 | 121.52 | 248.73 | 336.97 | 0003-1 |
| | | 268.12 | 68.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | 0.00 | 118.45 | 34.48 | 160.30 | 91.53 | 141.22 | 85.30 | | | |
| 2186.00 | Sltst | 66.03 | 32.44 | 14.88 | 10.39 | 6.76 | 5.29 | 18.37 | 72.46 | 26.93 | 0248-0 |
| | | 2.49 | 6.59 | 37.21 | 8.88 | 15.21 | 18.99 | 6.48 | 0.00 | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| 2414.00 | Sltst | 94.67 | 48.64 | 26.70 | 25.02 | 10.88 | 12.20 | 31.02 | 62.43 | 67.02 | 0250-0 |
| | | 8.36 | 21.21 | 90.53 | 22.46 | 39.25 | 45.20 | 20.54 | 15.70 | | |
| | | 23.47 | 57.11 | 79.97 | 6.86 | 6.60 | 4.20 | 6.62 | | | |
| 2612.00 | Coal | 18.56 | 10.37 | 4.89 | 15.83 | 3.03 | 0.00 | 459.78 | 0.00 | 412.75 | 0253-0 |
| | | 29.54 | 255.90 | 746.92 | 371.20 | 444.04 | 328.89 | 229.65 | 175.08 | | |
| | | 176.85 | 47.07 | 56.74 | 22.90 | 23.57 | 0.00 | 0.00 | | | |

Table 10C: Raw GCMS triterpane data (peak height) for Well NOCS 31/2-8



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 | | | |
| 2798.00 | Sltst | 3.76 | 1.99 | 0.00 | 1.92 | 0.92 | 0.00 | 12.86 | 0.00 | 14.61 | 0254-0 |
| | | 0.95 | 3.92 | 14.04 | 3.86 | 6.02 | 3.60 | 1.96 | 3.24 | | |
| | | 2.05 | 1.74 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 | | | |

Table 10D: Raw GCMS sterane data (peak height) for Well NOCS 31/2-8 

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 | | | | | |
| 1846.70 | S/Sst | 178.35 | 105.02 | 498.82 | 331.27 | 125.18 | 317.78 | 326.54 | 241.37 | 228.57 | 0002-1 |
| | | 580.62 | 246.50 | 98.03 | 346.29 | 141.70 | 108.90 | 179.02 | 210.55 | | |
| | | 122.67 | 208.81 | 385.25 | 291.22 | 259.86 | | | | | |
| 1851.35 | S/Sst | 314.73 | 131.65 | 585.95 | 404.33 | 182.36 | 298.38 | 334.98 | 238.41 | 218.81 | 0003-1 |
| | | 577.03 | 245.34 | 128.49 | 461.38 | 171.71 | 139.41 | 201.47 | 260.60 | | |
| | | 64.60 | 214.71 | 265.69 | 190.58 | 161.74 | | | | | |
| 2186.00 | Sltst | 71.22 | 21.45 | 18.39 | 8.12 | 3.11 | 3.10 | 4.14 | 4.47 | 5.60 | 0248-0 |
| | | 14.79 | 5.44 | 3.61 | 5.61 | 3.47 | 0.00 | 2.95 | 2.45 | | |
| | | 2.19 | 2.18 | 5.73 | 5.73 | 7.30 | | | | | |
| 2414.00 | Sltst | 89.83 | 31.14 | 53.41 | 31.70 | 10.67 | 17.73 | 20.84 | 15.97 | 19.75 | 0250-0 |
| | | 53.58 | 22.46 | 17.96 | 32.30 | 7.00 | 3.22 | 13.11 | 13.43 | | |
| | | 7.92 | 6.72 | 28.13 | 14.53 | 30.87 | | | | | |
| 2612.00 | Coal | 27.04 | 3.75 | 8.26 | 5.22 | 3.94 | 12.12 | 14.18 | 5.91 | 13.61 | 0253-0 |
| | | 87.45 | 0.00 | 0.00 | 60.94 | 31.30 | 0.00 | 29.77 | 2.80 | | |
| | | 23.18 | 17.42 | 67.02 | 28.27 | 125.15 | | | | | |

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 | | | | | |
| 2798.00 | Sltst | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0254-0 |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | |

Table 10E: Aromatisation of Steranes for Well NOCS 31/2-8



Depth unit of measure: m

| Depth | Lithology | Ratio1 | Ratio2 | Sample |
|---|---|---|---|---|
| 1846.70 | S/Sst | 0.41 | 0.94 | 0002-1 |
| 1851.35 | S/Sst | 0.38 | 0.92 | 0003-1 |
| 2186.00 | Sltst | 0.79 | 0.52 | 0248-0 |
| 2414.00 | Sltst | 0.78 | 0.42 | 0250-0 |
| 2612.00 | Coal | 0.79 | 0.67 | 0253-0 |
| 2798.00 | Sltst | 0.68 | 0.86 | 0254-0 |

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

Ratio2: g1 / g1 + I1

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Table 10F: Variation in Triaromatic Sterane Distribution for Well NOCS 31/2-8



Depth unit of measure: m

| Depth | Lithology | Ratio1 | Ratio2 | Ratio3 | Ratio4 | Ratio5 | Sample |
|---|---|---|---|---|---|---|---|
| 1846.70 | S/Sst | 0.44 | 0.44 | 0.25 | 0.22 | 0.34 | 0002-1 |
| 1851.35 | S/Sst | 0.57 | 0.58 | 0.34 | 0.31 | 0.44 | 0003-1 |
| 2186.00 | Sltst | 0.81 | 0.74 | 0.61 | 0.60 | 0.76 | 0248-0 |
| 2414.00 | Sltst | 0.79 | 0.67 | 0.52 | 0.56 | 0.67 | 0250-0 |
| 2612.00 | Coal | 0.17 | 0.10 | 0.10 | 0.08 | 0.37 | 0253-0 |
| 2798.00 | Sltst | 0.18 | 0.28 | 0.17 | 0.08 | 0.31 | 0254-0 |

Ratio1: a1 / a1 + g1
Ratio2: b1 / b1 + g1
Ratio3: a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1
Ratio4: a1 / a1 + e1 + f1 + g1
Ratio5: a1 / a1 + d1

Table 10G: Variation in Monoaromatic Sterane Distribution for Well NOCS 31/2-8



Depth unit of measure: m

| Depth | Lithology | Ratio1 | Ratio2 | Ratio3 | Ratio4 | Sample |
|---|---|---|---|---|---|---|
| 1846.70 | S/Sst | 0.38 | 0.32 | 0.21 | 0.19 | 0002-1 |
| 1851.35 | S/Sst | 0.40 | 0.17 | 0.20 | 0.14 | 0003-1 |
| 2186.00 | Sltst | 0.68 | 0.37 | 0.31 | 0.26 | 0248-0 |
| 2414.00 | Sltst | 0.51 | 0.27 | 0.25 | 0.19 | 0250-0 |
| 2612.00 | Coal | 0.37 | 0.18 | 0.06 | 0.05 | 0253-0 |
| 2798.00 | Sltst | 0.44 | 0.20 | 0.09 | 0.06 | 0254-0 |

Ratio1: A1 / A1 + E1
Ratio2: B1 / B1 + E1
Ratio3: A1 / A1 + E1 + G1
Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1

Table 10H: Raw GCMS trioaromatic sterane data (peak height) for Well NOCS 31/2-8



Depth unit of measure: m

| Depth | Lithology | a1 | b1 | c1 | d1 | e1 | f1 | g1 | Sample |
|---|---|---|---|---|---|---|---|---|---|
| 1846.70 | S/Sst | 324.28 | 327.26 | 213.71 | 622.76 | 416.54 | 319.92 | 413.39 | 0002-1 |
| 1851.35 | S/Sst | 688.47 | 719.95 | 317.55 | 874.57 | 569.02 | 436.19 | 515.64 | 0003-1 |
| 2186.00 | Sltst | 32.28 | 21.02 | 2.38 | 9.94 | 9.22 | 4.87 | 7.45 | 0248-0 |
| 2414.00 | Sltst | 215.46 | 116.49 | 34.50 | 107.14 | 60.60 | 51.81 | 56.88 | 0250-0 |
| 2612.00 | Coal | 11.95 | 6.26 | 1.82 | 20.12 | 63.29 | 13.55 | 56.82 | 0253-0 |
| 2798.00 | Sltst | 11.29 | 20.46 | 6.42 | 25.62 | 59.26 | 17.07 | 51.36 | 0254-0 |

Table 10I: Raw GCMS monoaromatic sterane data (peak height) for Well NOCS 31/2-8 

Depth unit of measure: m

| Depth | Lithology | a1 | b1 | c1 | d1 | e1 | f1 | g1 | h1 | i1 | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1846.70 | S/Sst | 188.79 | 143.33 | 199.52 | 151.29 | 308.71 | 59.41 | 421.22 | 211.14 | 25.46 | 0002-1 |
| 1851.35 | S/Sst | 205.33 | 64.89 | 296.56 | 161.78 | 308.03 | 63.74 | 520.60 | 262.53 | 46.90 | 0003-1 |
| 2186.00 | Sltst | 33.99 | 9.54 | 5.71 | 5.00 | 16.18 | 3.33 | 58.90 | 30.33 | 6.95 | 0248-0 |
| 2414.00 | Sltst | 198.24 | 71.62 | 105.23 | 93.16 | 190.95 | 43.49 | 394.41 | 222.28 | 77.56 | 0250-0 |
| 2612.00 | Coal | 25.47 | 9.18 | 4.97 | 0.00 | 42.63 | 18.83 | 360.55 | 147.56 | 28.47 | 0253-0 |
| 2798.00 | Sltst | 16.82 | 5.16 | 9.99 | 0.00 | 21.25 | 13.87 | 144.05 | 146.47 | 8.69 | 0254-0 |