

**REGIONAL PETROLEUM GEOCHEMICAL STUDY  
MID-NORWAY**

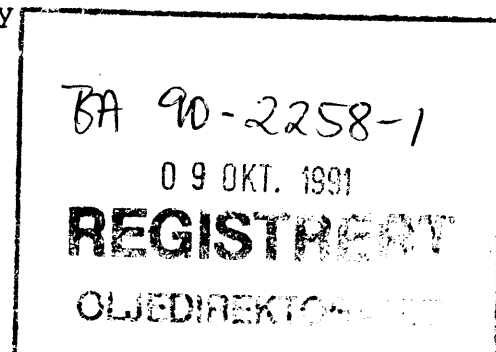
**NOCS WELL 6507/12-2**

Part 1

**Authors:**

Rita Løberg  
Peter B. Hall  
Kjell Arne Bakken  
Ian Lester Ferriday  
Lorraine Buxton  
Malvin Bjorøy

Geolab Nor A/S  
Hornebergveien 5  
7038 Trondheim  
Norway



**Date :** 07.05.90

## INTRODUCTION

The well NOCS 6507/12-2 is sited in the Haltenbanken area, offshore Mid-Norway (Figure 1), being approximately 25 kms north-east of the Midgard gas/condensate field, and was plugged and abandoned as a dry hole in 1981.

A total of 411 samples including three core-chip samples was collected at the Norwegian Petroleum Directorate in Stavanger. The samples between 1310 m and 4995 m RKB were washed where necessary and lithologically described. The analysed interval is from 1830 m to 4989 m RKB.

From the 411 samples examined, 116 lithologies from 108 samples were selected for screening analysis (TOC and Rock-Eval analyses). Based on the results of these, the following numbers of samples were selected for further analysis.

|  |            |
|--|------------|
| Thermal extraction - pyrolysis -<br>gas chromatography                                   | 32 samples |
| Extraction, MPLC fractionation, saturated<br>and aromatic hydrocarbon gas chromatography | 8 samples  |
| Gas chromatography - mass spectrometry<br>of saturate and aromatic fractions             | 3 samples  |
| Carbon isotope analysis of C <sub>15</sub> + fractions                                   | 3 samples  |
| Vitrinite reflectance microscopy   | 23 samples |
| Visual kerogen analyses  | 13 samples |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp | Frm                   | Age                           | Trb | Sample  |
|---------|------|-----|-----------------------|-------------------------------|-----|---------|
| Int Cvd | TOC% | %   | Lithology description |                               |     |         |
| 1310.00 |      |     |                       |                               |     | 0001    |
|         |      | 80  | S/Sst                 | : v col, l                    |     | 0001-1L |
|         |      | 20  | Cont                  | : cem                         |     | 0001-2L |
| 1330.00 |      |     |                       |                               |     | 0002    |
|         |      | 80  | S/Sst                 | : v col, l                    |     | 0002-1L |
|         |      | 20  | Cont                  | : cem                         |     | 0002-2L |
| 1350.00 |      |     |                       |                               |     | 0003    |
|         |      | 60  | S/Sst                 | : v col, l                    |     | 0003-1L |
|         |      | 40  | Sh/Clst:              | lt ol gy, calc, slt, s        |     | 0003-2L |
|         |      | tr  | Cont                  | : cem                         |     | 0003-3L |
| 1380.00 |      |     |                       |                               |     | 0004    |
|         |      | 60  | Sh/Clst:              | lt ol gy, calc, slt, s        |     | 0004-2L |
|         |      | 40  | S/Sst                 | : v col, l                    |     | 0004-1L |
| 1400.00 |      |     |                       |                               |     | 0005    |
|         |      | 80  | Sh/Clst:              | brn gy to lt ol gy, calc, slt |     | 0005-2L |
|         |      | 20  | S/Sst                 | : v col, l                    |     | 0005-1L |
| 1430.00 |      |     |                       |                               |     | 0006    |
|         |      | 80  | Sh/Clst:              | brn gy to lt ol gy, calc, slt |     | 0006-2L |
|         |      | 20  | S/Sst                 | : v col, l                    |     | 0006-1L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp | Frm                   | Age      | Trb                           | Sample  |  |
|---------|------|-----|-----------------------|----------|-------------------------------|---------|--|
| Int Cvd | TOC% | %   | Lithology description |          |                               |         |  |
| 1440.00 |      |     |                       |          |                               | 0007    |  |
|         |      |     | 90                    | Sh/Clst: | brn gy to lt ol gy, calc, slt | 0007-2L |  |
|         |      |     | 10                    | S/Sst    | : v col, l                    | 0007-1L |  |
| 1470.00 |      |     |                       |          |                               | 0008    |  |
|         |      |     | 90                    | Sh/Clst: | brn gy to lt ol gy, calc, slt | 0008-2L |  |
|         |      |     | 10                    | S/Sst    | : v col, l                    | 0008-1L |  |
| 1490.00 |      |     |                       |          |                               | 0009    |  |
|         |      |     | 90                    | Sh/Clst: | brn gy to lt ol gy, calc, slt | 0009-2L |  |
|         |      |     | 10                    | S/Sst    | : v col, l                    | 0009-1L |  |
| 1520.00 |      |     |                       |          |                               | 0010    |  |
|         |      |     | 100                   | Sh/Clst: | brn gy to lt ol gy, calc, slt | 0010-2L |  |
|         |      |     |                       | tr S/Sst | : v col, l                    | 0010-1L |  |
| 1540.00 |      |     |                       |          |                               | 0011    |  |
|         |      |     | 100                   | Sh/Clst: | brn gy to lt ol gy, calc, slt | 0011-2L |  |
|         |      |     |                       | tr S/Sst | : v col, l                    | 0011-1L |  |
| 1560.00 |      |     |                       |          |                               | 0012    |  |
|         |      |     | 100                   | Sh/Clst: | brn gy to lt ol gy, calc, slt | 0012-2L |  |
|         |      |     |                       | tr S/Sst | : v col, l                    | 0012-1L |  |
| 1580.00 |      |     |                       |          |                               | 0013    |  |
|         |      |     | 100                   | Sh/Clst: | brn gy to lt ol gy, calc, slt | 0013-2L |  |
|         |      |     |                       | tr S/Sst | : v col, l                    | 0013-1L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample                        |
|---------|------|------|-----|--|-----|-------------------------------|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |                               |
| 1600.00 |      |      |     |  |     | 0014                          |
|         |      |      |     | 100 Sh/Clst: brn gy to lt ol gy, slt<br>tr S/Sst : v col, l                                      |     | 0014-2L<br>0014-1L            |
| 1620.00 |      |      |     |  |     | 0015                          |
|         |      |      |     | 100 Sh/Clst: brn gy to lt ol gy, slt<br>tr S/Sst : v col, l                                      |     | 0015-2L<br>0015-1L            |
| 1640.00 |      |      |     |  |     | 0016                          |
|         |      |      |     | 100 Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>slt<br>tr S/Sst : v col, l                       |     | 0016-2L<br>0016-1L            |
| 1660.00 |      |      |     |  |     | 0017                          |
|         |      |      |     | 100 Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>slt<br>tr S/Sst : v col, l                       |     | 0017-2L<br>0017-1L            |
| 1680.00 |      |      |     |  |     | 0018                          |
|         |      |      |     | 100 Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>slt<br>tr S/Sst : v col, l<br>tr Sh/Clst: gy red |     | 0018-2L<br>0018-1L<br>0018-3L |
| 1700.00 |      |      |     |  |     | 0019                          |
|         |      |      |     | 95 Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>slt<br>5 Sh/Clst: gy red                          |     | 0019-1L<br>0019-2L            |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                                   |     |         |
| 1720.00 |      |      |     |   |     | 0020    |
|         |      |      | 95  | Sh/Clst: brn gy to lt gn gy to lt ol gy, slt            |     | 0020-1L |
|         |      |      | 5   | Sh/Clst: gy red   |     | 0020-2L |
| 1740.00 |      |      |     |   |     | 0021    |
|         |      |      | 95  | Sh/Clst: brn gy to lt gn gy to lt ol gy, slt            |     | 0021-1L |
|         |      |      | 5   | Sh/Clst: gy red   |     | 0021-2L |
| 1760.00 |      |      |     |   |     | 0022    |
|         |      |      | 90  | Sh/Clst: brn gy to lt gn gy to lt ol gy, drk y brn, slt |     | 0022-1L |
|         |      |      | 10  | Sh/Clst: gy red   |     | 0022-2L |
| 1780.00 |      |      |     |   |     | 0023    |
|         |      |      | 90  | Sh/Clst: brn gy to lt gn gy to lt ol gy, drk y brn, slt |     | 0023-1L |
|         |      |      | 10  | Sh/Clst: gy red   |     | 0023-2L |
| 1800.00 |      |      |     |   |     | 0024    |
|         |      |      | 100 | Sh/Clst: brn gy to lt gn gy to lt ol gy, drk y brn, slt |     | 0024-1L |
|         |      |      | tr  | Sh/Clst: gy red   |     | 0024-2L |
| 1820.00 |      |      |     |   |     | 0025    |
|         |      |      | 100 | Sh/Clst: brn gy to lt gn gy to lt ol gy, drk y brn, slt |     | 0025-1L |
|         |      |      | tr  | Sh/Clst: gy red   |     | 0025-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp | Frm  | Age | Trb | Sample  |  |
|---------|-------|-----|--|-----|-----|---------|--|
| Int Cvd | TOC%  | %   | Lithology description                                      |     |     |         |  |
| 1830.00 |       |     |  |     |     | 0026    |  |
|         | 0.64  | 100 | Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>drk y brn, slt |     |     | 0026-1L |  |
|         |       |     | tr Sh/Clst: gy red   |     |     | 0026-2L |  |
| 1840.00 |       |     |  |     |     | 0027    |  |
|         |       | 100 | Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>drk y brn, slt |     |     | 0027-1L |  |
|         |       |     | tr Sh/Clst: gy red   |     |     | 0027-2L |  |
| 1850.00 |       |     |  |     |     | 0028    |  |
|         |       | 100 | Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>drk y brn, slt |     |     | 0028-1L |  |
|         |       |     | tr Sh/Clst: gy red   |     |     | 0028-2L |  |
| 1860.00 |       |     |  |     |     | 0029    |  |
|         | 0.13  | 70  | Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>drk y brn, slt |     |     | 0029-1L |  |
|         | 2.10  | 30  | Sh/Clst: brn blk to drk gy                                 |     |     | 0029-3L |  |
|         |       |     | tr Sh/Clst: gy red   |     |     | 0029-2L |  |
| 1870.00 |       |     |  |     |     | 0030    |  |
|         |       | 70  | Sh/Clst: brn gy to lt gn gy to lt ol gy,<br>drk y brn, slt |     |     | 0030-1L |  |
|         | 10.51 | 30  | Sh/Clst: brn blk to drk gy                                 |     |     | 0030-3L |  |
|         |       |     | tr Sh/Clst: gy red   |     |     | 0030-2L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp   | Frm | Age  | Trb | Sample  |
|---------|------|-------|-----|--|-----|---------|
| Int     | Cvd  | TOC%  | %   | Lithology description                                |     |         |
| 1875.00 |      |       |     |  |     | 0031    |
|         | cvd  | 1.46  | 70  | Sh/Clst: m gy to drk gy                              |     | 0031-2L |
|         |      |       | 20  | Sh/Clst: brn gy to lt gn gy to lt ol gy, slt         |     | 0031-3L |
|         |      | 10.71 | 10  | Sh/Clst: blk to brn blk, carb, mic                   |     | 0031-1L |
| 1880.00 |      |       |     |  |     | 0032    |
|         | cvd  | 1.16  | 70  | Sh/Clst: m gy to drk gy                              |     | 0032-2L |
|         |      |       | 20  | Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt |     | 0032-3L |
|         |      | 8.45  | 10  | Sh/Clst: blk to brn blk, carb, mic                   |     | 0032-1L |
| 1885.00 |      |       |     |  |     | 0033    |
|         | cvd  | 1.35  | 80  | Sh/Clst: m gy to drk gy                              |     | 0033-2L |
|         |      | 9.63  | 10  | Sh/Clst: blk to brn blk, carb, mic                   |     | 0033-1L |
|         |      |       | 10  | Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt |     | 0033-3L |
| 1890.00 |      |       |     |  |     | 0034    |
|         | cvd  | 1.08  | 75  | Sh/Clst: m gy to drk gy                              |     | 0034-2L |
|         |      |       | 10  | Sh/Clst: blk to brn blk, carb, mic                   |     | 0034-1L |
|         |      |       | 10  | Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt |     | 0034-3L |
|         |      |       | 5   | Other : evap   |     | 0034-4L |
| 1895.00 |      |       |     |  |     | 0035    |
|         | cvd  | 11.26 | 75  | Sh/Clst: m gy to drk gy                              |     | 0035-2L |
|         |      |       | 15  | Sh/Clst: blk to brn blk, carb, mic                   |     | 0035-1L |
|         |      |       | 10  | Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt |     | 0035-3L |
|         |      |       | tr  | Other : evap   |     | 0035-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp   | Frm | Age   | Trb | Sample  |
|---------|------|-------|-----|---|-----|---------|
| Int     | Cvd  | TOC%  | %   | Lithology description                                   |     |         |
| 1900.00 |      |       |     |   |     | 0036    |
|         | cvd  | 1.30  | 75  | Sh/Clst: m gy to drk gy                                 |     | 0036-2L |
|         |      |       | 15  | Sh/Clst: gy red, brn gy to lt gn gy to lt<br>ol gy, slt |     | 0036-3L |
|         |      |       | 10  | Sh/Clst: blk to brn blk, carb, mic                      |     | 0036-1L |
|         |      |       | tr  | Other : evap  |     | 0036-4L |
| 1905.00 |      |       |     |   |     | 0037    |
|         | cvd  | 1.33  | 75  | S/Sst : w, l  |     | 0037-4L |
|         |      |       | 15  | Sh/Clst: m gy to drk gy                                 |     | 0037-2L |
|         |      |       | 5   | Sh/Clst: blk to brn blk, carb, mic                      |     | 0037-1L |
|         |      |       | 5   | Sh/Clst: gy red, brn gy to lt gn gy to lt<br>ol gy, slt |     | 0037-3L |
| 1910.00 |      |       |     |   |     | 0038    |
|         | cvd  | 10.22 | 75  | Sh/Clst: m gy to drk gy                                 |     | 0038-2L |
|         |      |       | 15  | Sh/Clst: blk to brn blk, carb, mic                      |     | 0038-1L |
|         |      |       | 10  | Sh/Clst: gy red, brn gy to lt gn gy to lt<br>ol gy, slt |     | 0038-3L |
|         |      |       | tr  | S/Sst : w, l  |     | 0038-4L |
| 1915.00 |      |       |     |   |     | 0039    |
|         | cvd  |       | 75  | S/Sst : w, l  |     | 0039-4L |
|         |      |       | 10  | Sh/Clst: blk to brn blk, carb, mic                      |     | 0039-1L |
|         |      |       | 10  | Sh/Clst: m gy to drk gy                                 |     | 0039-2L |
|         |      |       | 5   | Sh/Clst: gy red, brn gy to lt gn gy to lt<br>ol gy, slt |     | 0039-3L |
| 1920.00 |      |       |     |   |     | 0040    |
|         | cvd  | 1.19  | 70  | Sh/Clst: m gy to drk gy                                 |     | 0040-2L |
|         |      |       | 10  | Sh/Clst: blk to brn blk, carb, mic                      |     | 0040-1L |
|         |      |       | 10  | Sh/Clst: gy red, brn gy to lt gn gy to lt<br>ol gy, slt |     | 0040-3L |
|         |      |       | 10  | S/Sst : w, l  |     | 0040-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                                   |     |         |
| 1925.00 |      |      |     |   |     | 0041    |
|         |      | 0.01 |     | 75 S/Sst : w, l   |     | 0041-4L |
|         |      |      |     | 15 Sh/Clst: m gy to drk gy                              |     | 0041-2L |
|         | cvd  |      |     | 5 Sh/Clst: blk to brn blk, carb, mic                    |     | 0041-1L |
|         | cvd  |      |     | 5 Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt  |     | 0041-3L |
| 1930.00 |      |      |     |   |     | 0042    |
|         |      |      |     | 70 Sh/Clst: m gy to drk gy                              |     | 0042-2L |
|         | cvd  |      |     | 10 Sh/Clst: blk to brn blk, carb, mic                   |     | 0042-1L |
|         | cvd  |      |     | 10 Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt |     | 0042-3L |
|         |      |      |     | 10 S/Sst : w, l   |     | 0042-4L |
| 1935.00 |      |      |     |   |     | 0043    |
|         |      | 0.09 |     | 60 S/Sst : w, l   |     | 0043-4L |
|         | cvd  |      |     | 20 Sh/Clst: m gy to drk gy                              |     | 0043-2L |
|         | cvd  |      |     | 10 Sh/Clst: blk to brn blk, carb, mic                   |     | 0043-1L |
|         | cvd  |      |     | 10 Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt |     | 0043-3L |
| 1940.00 |      |      |     |   |     | 0044    |
|         |      |      |     | 50 S/Sst : w, l   |     | 0044-4L |
|         | cvd  |      |     | 25 Sh/Clst: m gy to drk gy                              |     | 0044-2L |
|         | cvd  |      |     | 15 Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt |     | 0044-3L |
|         | cvd  |      |     | 10 Sh/Clst: blk to brn blk, carb, mic                   |     | 0044-1L |
| 1945.00 |      |      |     |   |     | 0045    |
|         |      | 0.06 |     | 60 S/Sst : w, l   |     | 0045-4L |
|         | cvd  |      |     | 20 Sh/Clst: m gy to drk gy                              |     | 0045-2L |
|         |      |      |     | 10 Cont : mic   |     | 0045-5L |
|         | cvd  |      |     | 5 Sh/Clst: blk to brn blk, carb, mic                    |     | 0045-1L |
|         | cvd  |      |     | 5 Sh/Clst: gy red, brn gy to lt gn gy to lt ol gy, slt  |     | 0045-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                   | Trb                               | Sample  |
|---------|------|------|-----|-----------------------|-----------------------------------|---------|
| Int     | Cvd  | TOC% | %   | Lithology description |                                   |         |
| 1950.00 |      |      |     |                       |                                   | 0046    |
|         |      |      | 55  | S/Sst                 | : w, l                            | 0046-4L |
|         | cvd  |      | 30  | Sh/Clst:              | m gy to drk gy                    | 0046-2L |
|         | cvd  |      | 10  | Sh/Clst:              | gy red, m gy to lt gn gy to lt ol | 0046-3L |
|         |      |      |     |                       | gy, slt                           |         |
|         | cvd  |      | 5   | Sh/Clst:              | blk to brn blk, carb, mic         | 0046-1L |
|         |      |      | tr  | Cont                  | : Mica-ad                         | 0046-5L |
| 1955.00 |      |      |     |                       |                                   | 0047    |
|         |      |      | 60  | S/Sst                 | : w, l                            | 0047-4L |
|         | cvd  |      | 20  | Sh/Clst:              | m gy to drk gy                    | 0047-2L |
|         |      |      | 20  | Other                 | : mic                             | 0047-5L |
|         | cvd  |      | tr  | Sh/Clst:              | blk to brn blk, carb, mic         | 0047-1L |
|         | cvd  |      | tr  | Sh/Clst:              | gy red, m gy to lt gn gy to lt ol | 0047-3L |
|         |      |      |     |                       | gy, slt                           |         |
|         |      |      | tr  | Coal                  | : blk                             | 0047-6L |
| 1960.00 |      |      |     |                       |                                   | 0048    |
|         |      |      | 50  | S/Sst                 | : w, l                            | 0048-4L |
|         | cvd  |      | 30  | Sh/Clst:              | m gy to drk gy                    | 0048-2L |
|         | cvd  |      | 10  | Sh/Clst:              | gy red, m gy to lt gn gy to lt ol | 0048-3L |
|         |      |      |     |                       | gy, slt                           |         |
|         |      |      | 10  | Other                 | : mic                             | 0048-5L |
|         | cvd  |      | tr  | Sh/Clst:              | blk to brn blk, carb, mic         | 0048-1L |
|         |      |      | tr  | Coal                  | : blk                             | 0048-6L |
| 1965.00 |      |      |     |                       |                                   | 0049    |
|         |      |      | 50  | S/Sst                 | : w, l                            | 0049-4L |
|         | cvd  |      | 30  | Sh/Clst:              | m gy to drk gy                    | 0049-2L |
|         | cvd  |      | 10  | Sh/Clst:              | gy red, m gy to lt gn gy to lt ol | 0049-3L |
|         |      |      |     |                       | gy, slt                           |         |
|         |      |      | 10  | Other                 | : mic                             | 0049-5L |
|         | cvd  |      | tr  | Sh/Clst:              | blk to brn blk, carb, mic         | 0049-1L |
|         |      |      | tr  | Coal                  | : blk                             | 0049-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                                    |     |         |
| 1970.00 |      |      |     |  |     | 0050    |
|         |      |      |     | 50 S/Sst : w, l  |     | 0050-4L |
|         | cvd  |      |     | 30 Sh/Clst: m gy to drk gy                               |     | 0050-2L |
|         | cvd  |      |     | 10 Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0050-3L |
|         |      |      |     | 10 Other : mic   |     | 0050-5L |
|         | cvd  |      |     | tr Sh/Clst: blk to brn blk, carb, mic                    |     | 0050-1L |
|         |      |      |     | tr Coal : blk  |     | 0050-6L |
| 1975.00 |      |      |     |  |     | 0051    |
|         |      |      |     | 50 S/Sst : w, l  |     | 0051-4L |
|         | cvd  |      |     | 30 Sh/Clst: m gy to drk gy                               |     | 0051-2L |
|         | cvd  |      |     | 10 Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0051-3L |
|         |      |      |     | 10 Other : mic   |     | 0051-5L |
|         | cvd  |      |     | tr Sh/Clst: blk to brn blk, carb, mic                    |     | 0051-1L |
|         |      |      |     | tr Coal : blk  |     | 0051-6L |
| 1980.00 |      |      |     |  |     | 0052    |
|         |      |      |     | 50 S/Sst : w, l  |     | 0052-4L |
|         | cvd  |      |     | 30 Sh/Clst: m gy to drk gy                               |     | 0052-2L |
|         | cvd  |      |     | 10 Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0052-3L |
|         |      |      |     | 10 Other : mic   |     | 0052-5L |
|         | cvd  |      |     | tr Sh/Clst: blk to brn blk, carb, mic                    |     | 0052-1L |
|         |      |      |     | tr Coal : blk  |     | 0052-6L |
| 1985.00 |      |      |     |  |     | 0053    |
|         |      |      |     | 50 S/Sst : w, l  |     | 0053-4L |
|         | cvd  |      |     | 30 Sh/Clst: m gy to drk gy                               |     | 0053-2L |
|         | cvd  |      |     | 10 Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0053-3L |
|         |      |      |     | 10 Other : mic   |     | 0053-5L |
|         | cvd  |      |     | tr Sh/Clst: blk to brn blk, carb, mic                    |     | 0053-1L |
|         |      |      |     | tr Coal : blk  |     | 0053-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                                 |     |         |
| 1990.00 |      |      |     |   |     | 0054    |
|         |      |      | 50  | S/Sst : w, l  |     | 0054-4L |
|         | cvd  |      | 30  | Sh/Clst: m gy to drk gy                               |     | 0054-2L |
|         | cvd  |      | 10  | Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0054-3L |
|         |      |      | 10  | Other : mic   |     | 0054-5L |
|         | cvd  |      | tr  | Sh/Clst: blk to brn blk, carb, mic                    |     | 0054-1L |
|         |      |      | tr  | Coal : blk  |     | 0054-6L |
| 1995.00 |      |      |     |   |     | 0055    |
|         |      |      | 50  | S/Sst : w, l  |     | 0055-4L |
|         | cvd  |      | 30  | Sh/Clst: m gy to drk gy                               |     | 0055-2L |
|         | cvd  |      | 10  | Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0055-3L |
|         |      |      | 10  | Other : mic   |     | 0055-5L |
|         | cvd  |      | tr  | Sh/Clst: blk to brn blk, carb, mic                    |     | 0055-1L |
|         |      |      | tr  | Coal : blk  |     | 0055-6L |
| 2000.00 |      |      |     |   |     | 0056    |
|         |      |      | 50  | S/Sst : w, l  |     | 0056-4L |
|         | cvd  |      | 30  | Sh/Clst: m gy to drk gy                               |     | 0056-2L |
|         | cvd  |      | 10  | Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0056-3L |
|         |      |      | 10  | Other : mic   |     | 0056-5L |
|         | cvd  |      | tr  | Sh/Clst: blk to brn blk, carb, mic                    |     | 0056-1L |
|         |      |      | tr  | Coal : blk  |     | 0056-6L |
| 2005.00 |      |      |     |   |     | 0057    |
|         |      |      | 50  | S/Sst : w, l  |     | 0057-4L |
|         | cvd  |      | 30  | Sh/Clst: m gy to drk gy                               |     | 0057-2L |
|         | cvd  |      | 10  | Sh/Clst: gy red, m gy to lt gn gy to lt ol<br>gy, slt |     | 0057-3L |
|         |      |      | 10  | Other : mic   |     | 0057-5L |
|         | cvd  |      | tr  | Sh/Clst: blk to brn blk, carb, mic                    |     | 0057-1L |
|         |      |      | tr  | Coal : blk  |     | 0057-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |   |
| 2010.00 |      |      |     |  |     | 0058  |
|         | 1.44 |      |     | 50 S/Sst : w, l<br>40 Sh/Clst: m gy to drk gy, slt, mic<br>5 Other : mic<br>5 Sltst : brn gy<br>tr Sh/Clst: gy red<br>tr Sh/Clst: gn gy<br>tr Coal : blk         |     | 0058-1L<br>0058-5L<br>0058-2L<br>0058-6L<br>0058-3L<br>0058-4L<br>0058-7L |
| 2015.00 |      |      |     |  |     | 0059  |
|         |      |      |     | 50 S/Sst : w, l<br>35 Sh/Clst: m gy to drk gy, slt, mic<br>5 Other : mic<br>5 Sltst : brn gy<br>5 Coal : blk, cly<br>tr Sh/Clst: gy red<br>tr Sh/Clst: gn gy     |     | 0059-1L<br>0059-5L<br>0059-2L<br>0059-6L<br>0059-7L<br>0059-3L<br>0059-4L |
| 2020.00 |      |      |     |  |     | 0060  |
|         | 1.32 |      |     | 50 S/Sst : w, l<br>40 Sh/Clst: m gy to drk gy, slt, mic<br>5 Other : mic<br>5 Sltst : brn gy<br>tr Sh/Clst: gy red<br>tr Sh/Clst: gn gy<br>tr Coal : blk, cly    |     | 0060-1L<br>0060-5L<br>0060-2L<br>0060-6L<br>0060-3L<br>0060-4L<br>0060-7L |
| 2025.00 |      |      |     |  |     | 0061  |
|         |      |      |     | 40 S/Sst : w, l<br>40 Sh/Clst: m gy to drk gy, slt, mic<br>10 Sltst : brn gy, s<br>5 Other : mic<br>5 Coal : blk, cly<br>tr Sh/Clst: gy red<br>tr Sh/Clst: gn gy |     | 0061-1L<br>0061-5L<br>0061-6L<br>0061-2L<br>0061-7L<br>0061-3L<br>0061-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                |     |         |
| 2030.00 |      |      |     |                                      |     | 0062    |
|         | 1.25 |      |     | 40 S/Sst : w, l                      |     | 0062-1L |
|         |      |      |     | 40 Sh/Clst: m gy to drk gy, slt, mic |     | 0062-5L |
|         |      |      |     | 10 Sltst : brn gy, s                 |     | 0062-6L |
|         |      |      |     | 5 Other : mic                        |     | 0062-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0062-3L |
|         |      |      |     | tr Sh/Clst: gn gy                    |     | 0062-4L |
|         |      |      |     | tr Coal : blk, cly                   |     | 0062-7L |
| 2035.00 |      |      |     |                                      |     | 0063    |
|         |      |      |     | 40 Sh/Clst: m gy to drk gy, slt, mic |     | 0063-5L |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0063-1L |
|         |      |      |     | 10 Sltst : brn gy, s                 |     | 0063-6L |
|         |      |      |     | 5 Other : mic                        |     | 0063-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0063-3L |
|         |      |      |     | 5 Coal : blk, cly                    |     | 0063-7L |
|         |      |      |     | tr Sh/Clst: gn gy                    |     | 0063-4L |
| 2040.00 |      |      |     |                                      |     | 0064    |
|         |      |      |     | 40 S/Sst : w, l                      |     | 0064-1L |
|         |      |      |     | 35 Sh/Clst: m gy to drk gy, slt, mic |     | 0064-5L |
|         |      |      |     | 10 Sltst : brn gy, s                 |     | 0064-6L |
|         |      |      |     | 5 Other : mic                        |     | 0064-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0064-3L |
|         |      |      |     | 5 Coal : blk, cly                    |     | 0064-7L |
|         |      |      |     | tr Sh/Clst: gn gy                    |     | 0064-4L |
| 2045.00 |      |      |     |                                      |     | 0065    |
|         | 2.13 |      |     | 40 Sltst : brn gy, s                 |     | 0065-6L |
|         |      |      |     | 25 Sh/Clst: m gy to drk gy, slt, mic |     | 0065-5L |
|         |      |      |     | 20 S/Sst : w, l                      |     | 0065-1L |
|         |      |      |     | 5 Other : mic                        |     | 0065-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0065-3L |
|         |      |      |     | 5 Coal : blk, cly                    |     | 0065-7L |
|         |      |      |     | tr Sh/Clst: gn gy                    |     | 0065-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                |     |         |
| 2050.00 |      |      |     |                                      |     | 0066    |
|         | 1.29 |      |     | 50 Sh/Clst: m gy to drk gy, slt, mic |     | 0066-5L |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0066-1L |
|         |      |      |     | 10 Sltst : brn gy, s                 |     | 0066-6L |
|         |      |      |     | 5 Other : mic                        |     | 0066-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0066-3L |
|         |      |      |     | tr Sh/Clst: gn gy                    |     | 0066-4L |
|         |      |      |     | tr Coal : blk, cly                   |     | 0066-7L |
| 2055.00 |      |      |     |                                      |     | 0067    |
|         |      |      |     | 30 Sh/Clst: m gy to drk gy, slt, mic |     | 0067-5L |
|         |      |      |     | 30 Sltst : brn gy, s                 |     | 0067-6L |
|         |      |      |     | 25 S/Sst : w, l                      |     | 0067-1L |
|         |      |      |     | 5 Other : mic                        |     | 0067-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0067-3L |
|         |      |      |     | 5 Coal : blk, cly                    |     | 0067-7L |
|         |      |      |     | tr Sh/Clst: gn gy                    |     | 0067-4L |
| 2060.00 |      |      |     |                                      |     | 0068    |
|         | 0.27 |      |     | 45 Sh/Clst: m gy to drk gy, slt, mic |     | 0068-5L |
|         |      |      |     | 25 S/Sst : w, l                      |     | 0068-1L |
|         |      |      |     | 10 Sltst : brn gy, s                 |     | 0068-6L |
|         |      |      |     | 5 Other : mic                        |     | 0068-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0068-3L |
|         |      |      |     | 5 Sh/Clst: gn gy                     |     | 0068-4L |
|         |      |      |     | 5 Coal : blk, cly                    |     | 0068-7L |
| 2065.00 |      |      |     |                                      |     | 0069    |
|         |      |      |     | 30 Sh/Clst: m gy to drk gy, slt, mic |     | 0069-5L |
|         |      |      |     | 30 Sltst : brn gy, s                 |     | 0069-6L |
|         |      |      |     | 20 S/Sst : w, l                      |     | 0069-1L |
|         |      |      |     | 5 Other : mic                        |     | 0069-2L |
|         |      |      |     | 5 Sh/Clst: gy red                    |     | 0069-3L |
|         |      |      |     | 5 Sh/Clst: gn gy                     |     | 0069-4L |
|         |      |      |     | 5 Coal : blk, cly                    |     | 0069-7L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|-------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                |     |         |
| 2070.00 |       |      |     |                                      |     | 0070    |
|         |       | 1.34 |     | 30 Sh/Clst: m gy to drk gy, slt, mic |     | 0070-5L |
|         |       |      |     | 25 Sltst : brn gy, s                 |     | 0070-6L |
|         |       |      |     | 20 S/Sst : w, l                      |     | 0070-1L |
|         |       |      |     | 10 Sh/Clst: gy red                   |     | 0070-3L |
|         |       |      |     | 5 Other : mic                        |     | 0070-2L |
|         |       |      |     | 5 Sh/Clst: gn gy                     |     | 0070-4L |
|         |       |      |     | 5 Coal : blk, cly                    |     | 0070-7L |
| 2075.00 |       |      |     |                                      |     | 0071    |
|         |       |      |     | 30 Sh/Clst: m gy to drk gy, slt, mic |     | 0071-5L |
|         |       |      |     | 30 Sltst : brn gy, s                 |     | 0071-6L |
|         |       |      |     | 20 S/Sst : w, l                      |     | 0071-1L |
|         |       |      |     | 10 Sh/Clst: gy red                   |     | 0071-3L |
|         |       |      |     | 5 Other : mic                        |     | 0071-2L |
|         |       |      |     | 5 Coal : blk, cly                    |     | 0071-7L |
|         |       |      |     | tr Sh/Clst: gn gy                    |     | 0071-4L |
| 2080.00 |       |      |     |                                      |     | 0072    |
|         |       |      |     | 30 S/Sst : w, l                      |     | 0072-1L |
| cvd     |       |      |     | 30 Sh/Clst: m gy to drk gy, slt, mic |     | 0072-5L |
| cvd     |       |      |     | 25 Sltst : brn gy, s                 |     | 0072-6L |
| cvd     |       |      |     | 10 Sh/Clst: gy red                   |     | 0072-3L |
|         |       |      |     | 5 Other : mic                        |     | 0072-2L |
| cvd     |       |      |     | tr Sh/Clst: gn gy                    |     | 0072-4L |
| 2085.00 |       |      |     |                                      |     | 0073    |
|         |       |      |     | 30 S/Sst : w, l                      |     | 0073-1L |
| cvd     |       |      |     | 25 Sltst : brn gy, s                 |     | 0073-6L |
| cvd     |       |      |     | 20 Sh/Clst: m gy to drk gy, slt, mic |     | 0073-5L |
| cvd     |       |      |     | 10 Sh/Clst: gy red                   |     | 0073-3L |
|         | 28.79 |      |     | 10 Coal : blk                        |     | 0073-7L |
|         |       |      |     | 5 Other : mic                        |     | 0073-2L |
| cvd     |       |      |     | tr Sh/Clst: gn gy                    |     | 0073-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                |     |         |
| 2090.00 |      |      |     |                                      |     | 0074    |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0074-1L |
|         | cvd  |      |     | 25 Sltst : brn gy, s                 |     | 0074-6L |
|         | cvd  |      |     | 20 Sh/Clst: m gy to drk gy, slt, mic |     | 0074-5L |
|         |      |      |     | 10 S/Sst : v col, cem                |     | 0074-2L |
|         | cvd  |      |     | 10 Sh/Clst: gy red                   |     | 0074-3L |
|         |      |      |     | 5 Coal : blk                         |     | 0074-7L |
|         | cvd  |      |     | tr Sh/Clst: gn gy                    |     | 0074-4L |
| 2095.00 |      |      |     |                                      |     | 0075    |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0075-1L |
|         | cvd  |      |     | 20 Sh/Clst: m gy to drk gy, slt, mic |     | 0075-5L |
|         | cvd  |      |     | 20 Sltst : brn gy, s                 |     | 0075-6L |
|         |      |      |     | 10 S/Sst : v col, cem                |     | 0075-2L |
|         | cvd  |      |     | 10 Sh/Clst: gy red                   |     | 0075-3L |
|         |      |      |     | 5 Coal : blk                         |     | 0075-7L |
|         | cvd  |      |     | tr Sh/Clst: gn gy                    |     | 0075-4L |
| 2100.00 |      |      |     |                                      |     | 0076    |
|         |      |      |     | 45 S/Sst : w, l                      |     | 0076-1L |
|         |      | 0.90 |     | 20 S/Sst : v col, cem                |     | 0076-2L |
|         | cvd  |      |     | 15 Sh/Clst: m gy to drk gy, slt, mic |     | 0076-5L |
|         | cvd  |      |     | 10 Sh/Clst: gy red                   |     | 0076-3L |
|         | cvd  |      |     | 10 Sltst : brn gy, s                 |     | 0076-6L |
|         | cvd  |      |     | tr Sh/Clst: gn gy                    |     | 0076-4L |
|         |      |      |     | tr Coal : blk                        |     | 0076-7L |
| 2105.00 |      |      |     |                                      |     | 0077    |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0077-1L |
|         |      |      |     | 30 Sltst : brn gy, s                 |     | 0077-5L |
|         |      |      |     | 25 S/Sst : v col, cem                |     | 0077-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0077-4L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0077-3L |
|         |      |      |     | tr Coal : blk                        |     | 0077-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                |     |         |
| 2110.00 |      |      |     |                                      |     | 0078    |
|         |      | 0.60 |     | 55 S/Sst : w, l                      |     | 0078-1L |
|         | cvd  |      |     | 25 S/Sst : v col, cem                |     | 0078-2L |
|         |      |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0078-4L |
|         | cvd  |      |     | 10 Sltst : brn gy, s                 |     | 0078-5L |
|         |      |      |     | tr Sh/Clst: gy red                   |     | 0078-3L |
|         |      |      |     | tr Coal : blk                        |     | 0078-6L |
| 2115.00 |      |      |     |                                      |     | 0079    |
|         |      |      |     | 55 S/Sst : w, l                      |     | 0079-1L |
|         |      |      |     | 25 S/Sst : v col, cem                |     | 0079-2L |
|         | cvd  |      |     | 10 Sltst : brn gy, s                 |     | 0079-5L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy, slt, mic  |     | 0079-4L |
|         | cvd  |      |     | 5 Coal : blk                         |     | 0079-6L |
|         |      |      |     | tr Sh/Clst: gy red                   |     | 0079-3L |
| 2120.00 |      |      |     |                                      |     | 0080    |
|         |      |      |     | 55 S/Sst : w, l                      |     | 0080-1L |
|         | cvd  |      |     | 25 S/Sst : v col, cem                |     | 0080-2L |
|         |      |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0080-4L |
|         | cvd  |      |     | 10 Sltst : brn gy, s                 |     | 0080-5L |
|         |      |      |     | tr Sh/Clst: gy red                   |     | 0080-3L |
|         |      |      |     | tr Coal : blk                        |     | 0080-6L |
| 2125.00 |      |      |     |                                      |     | 0081    |
|         |      |      |     | 40 S/Sst : w, l                      |     | 0081-1L |
|         | cvd  |      |     | 20 S/Sst : v col, cem                |     | 0081-2L |
|         |      |      |     | 15 Sh/Clst: m gy to drk gy, slt, mic |     | 0081-4L |
|         |      |      |     | 15 Sltst : brn gy, s                 |     | 0081-5L |
|         |      |      |     | 5 Coal : blk                         |     | 0081-6L |
|         | cvd  |      |     | 5 Sh/Clst: gn gy                     |     | 0081-7L |
|         |      |      |     | tr Sh/Clst: gy red                   |     | 0081-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                |     |         |
| 2130.00 |      |      |     |                                      |     | 0082    |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0082-1L |
|         |      |      |     | 30 S/Sst : v col, cem                |     | 0082-2L |
|         | cvd  |      |     | 15 Sh/Clst: m gy to drk gy, slt, mic |     | 0082-4L |
|         |      |      |     | 15 Sltst : brn gy, s                 |     | 0082-5L |
|         |      |      |     | 5 Coal : blk                         |     | 0082-6L |
|         |      |      |     | 5 Sh/Clst: gn gy                     |     | 0082-7L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0082-3L |
| 2135.00 |      |      |     |                                      |     | 0083    |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0083-1L |
|         |      |      |     | 30 S/Sst : v col, cem                |     | 0083-2L |
|         | cvd  |      |     | 15 Sh/Clst: m gy to drk gy, slt, mic |     | 0083-4L |
|         |      | 2.37 |     | 15 Sltst : brn gy, s                 |     | 0083-5L |
|         |      |      |     | 5 Coal : blk                         |     | 0083-6L |
|         |      |      |     | 5 Sh/Clst: gn gy                     |     | 0083-7L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0083-3L |
| 2140.00 |      |      |     |                                      |     | 0084    |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0084-1L |
|         |      |      |     | 30 S/Sst : v col, cem                |     | 0084-2L |
|         | cvd  |      |     | 15 Sh/Clst: m gy to drk gy, slt, mic |     | 0084-4L |
|         |      |      |     | 15 Sltst : brn gy, s                 |     | 0084-5L |
|         |      |      |     | 5 Coal : blk                         |     | 0084-6L |
|         |      |      |     | 5 Sh/Clst: gn gy                     |     | 0084-7L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0084-3L |
| 2145.00 |      |      |     |                                      |     | 0085    |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0085-1L |
|         |      | 3.42 |     | 30 Sltst : brn gy, s                 |     | 0085-5L |
|         |      |      |     | 20 S/Sst : v col, cem                |     | 0085-2L |
|         | cvd  |      |     | 15 Sh/Clst: m gy to drk gy, slt, mic |     | 0085-4L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0085-3L |
|         |      |      |     | tr Coal : blk                        |     | 0085-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                |     |         |
| 2150.00 |      |      |     |                                      |     | 0086    |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0086-1L |
|         |      |      |     | 35 S/Sst : v col, cem                |     | 0086-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0086-4L |
|         |      |      |     | 10 Sltst : brn gy, s                 |     | 0086-5L |
|         |      |      |     | 10 Coal : blk                        |     | 0086-6L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0086-3L |
| 2155.00 |      |      |     |                                      |     | 0087    |
|         |      |      |     | 40 Sltst : brn gy, s                 |     | 0087-5L |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0087-1L |
|         |      |      |     | 15 S/Sst : v col, cem                |     | 0087-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0087-4L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0087-3L |
|         |      |      |     | tr Coal : blk                        |     | 0087-6L |
| 2160.00 |      |      |     |                                      |     | 0088    |
|         |      | 3.64 |     | 40 Sltst : brn gy, s                 |     | 0088-5L |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0088-1L |
|         |      |      |     | 15 S/Sst : v col, cem                |     | 0088-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0088-4L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0088-3L |
|         |      |      |     | tr Coal : blk                        |     | 0088-6L |
| 2165.00 |      |      |     |                                      |     | 0089    |
|         |      |      |     | 40 Sltst : brn gy, s                 |     | 0089-5L |
|         |      |      |     | 35 S/Sst : w, l                      |     | 0089-1L |
|         |      |      |     | 15 S/Sst : v col, cem                |     | 0089-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0089-4L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0089-3L |
|         |      |      |     | tr Coal : blk                        |     | 0089-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                  | Trb | Sample  |
|---------|------|------|-----|--------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                |     |         |
| 2170.00 |      |      |     |                                      |     | 0090    |
|         |      |      |     | 40 Sltst : brn gy, s                 |     | 0090-5L |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0090-1L |
|         |      |      |     | 15 S/Sst : v col, cem                |     | 0090-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0090-4L |
|         |      |      |     | 5 Coal : blk                         |     | 0090-6L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0090-3L |
|         |      |      |     | tr Ca : gn gy, dol                   |     | 0090-7L |
| 2175.00 |      |      |     |                                      |     | 0091    |
|         |      |      |     | 40 Sltst : brn gy, s                 |     | 0091-5L |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0091-1L |
|         |      |      |     | 15 S/Sst : v col, cem                |     | 0091-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0091-4L |
|         |      |      |     | 5 Coal : blk                         |     | 0091-6L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0091-3L |
|         |      |      |     | tr Ca : gn gy, dol                   |     | 0091-7L |
| 2180.00 |      |      |     |                                      |     | 0092    |
|         |      |      |     | 40 S/Sst : w, l                      |     | 0092-1L |
|         |      |      |     | 30 Sltst : brn gy, s                 |     | 0092-5L |
|         |      |      |     | 15 S/Sst : v col, cem                |     | 0092-2L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0092-4L |
|         |      |      |     | 5 Coal : blk                         |     | 0092-6L |
|         | cvd  |      |     | tr Sh/Clst: gy red                   |     | 0092-3L |
|         |      |      |     | tr Ca : gn gy, dol                   |     | 0092-7L |
| 2185.00 |      |      |     |                                      |     | 0093    |
|         |      |      |     | 30 S/Sst : w, l                      |     | 0093-1L |
|         |      |      |     | 30 S/Sst : v col, cem                |     | 0093-2L |
|         |      |      |     | 25 Sltst : brn gy, s                 |     | 0093-4L |
|         | cvd  |      |     | 10 Sh/Clst: m gy to drk gy, slt, mic |     | 0093-3L |
|         |      |      |     | 5 Coal : blk                         |     | 0093-5L |
|         |      |      |     | tr Ca : gn gy, dol                   |     | 0093-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp   | Frm | Age   | Trb | Sample   |
|---------|------|-------|-----|---|-----|--|
| Int     | Cvd  | TOC%  | %   | Lithology description   |     |  |
| 2190.00 |      |       |     |   |     | 0094   |
|         | cvd  |       |     | 35 S/Sst : v col, cem<br>30 S/Sst : w, l<br>15 Coal : blk<br>10 Sh/Clst: m gy to drk gy, slt, mic<br>10 Sltst : brn gy, s<br>tr Ca : gn gy, dol |     | 0094-2L<br>0094-1L<br>0094-5L<br>0094-3L<br>0094-4L<br>0094-6L |
| 2195.00 |      |       |     |   |     | 0095   |
|         | cvd  | 0.34  |     | 60 S/Sst : lt gy to m gy, cem<br>15 S/Sst : w, l<br>10 Sh/Clst: m gy to drk gy, slt, mic<br>10 Sltst : brn gy, s<br>5 Coal : blk                |     | 0095-2L<br>0095-1L<br>0095-3L<br>0095-4L<br>0095-5L            |
| 2200.00 |      |       |     |   |     | 0096   |
|         |      |       |     | 75 S/Sst : w, lt gy to m gy, v col, cem, l<br>15 Coal : blk<br>10 Sh/Clst: brn gy, gn gy, m gy to drk gy, slt                                   |     | 0096-1L<br>0096-3L<br>0096-2L                                  |
| 2205.00 |      |       |     |   |     | 0097   |
|         |      | 66.28 |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l<br>20 Coal : blk<br>10 Sh/Clst: brn gy, gn gy, m gy to drk gy, slt                                   |     | 0097-1L<br>0097-3L<br>0097-2L                                  |
| 2210.00 |      |       |     |   |     | 0098   |
|         |      | 67.19 |     | 60 S/Sst : w, lt gy to m gy, v col, cem, l<br>30 Coal : blk<br>10 Sh/Clst: brn gy, gn gy, m gy to drk gy, slt                                   |     | 0098-1L<br>0098-3L<br>0098-2L                                  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp | Frm                   | Age                                | Trb | Sample  |  |
|---------|-------|-----|-----------------------|------------------------------------|-----|---------|--|
| Int Cvd | TOC%  | %   | Lithology description |                                    |     |         |  |
| 2215.00 |       |     |                       |                                    |     | 0099    |  |
|         |       |     | 70 S/Sst              | : w, lt gy to m gy, v col, cem, 1  |     | 0099-1L |  |
|         |       |     | 20 Coal               | : blk                              |     | 0099-3L |  |
|         |       |     | 10 Sh/Clst:           | brn gy, gn gy, m gy to drk gy, slt |     | 0099-2L |  |
| 2220.00 |       |     |                       |                                    |     | 0100    |  |
|         | 63.15 |     | 70 S/Sst              | : w, lt gy to m gy, v col, cem, 1  |     | 0100-1L |  |
|         |       |     | 20 Coal               | : blk                              |     | 0100-3L |  |
|         |       |     | 10 Sh/Clst:           | brn gy, gn gy, m gy to drk gy, slt |     | 0100-2L |  |
| 2225.00 |       |     |                       |                                    |     | 0101    |  |
|         |       |     | 75 S/Sst              | : w, lt gy to m gy, v col, cem, 1  |     | 0101-1L |  |
|         |       |     | 10 Sh/Clst:           | gn gy, m gy to drk gy, slt         |     | 0101-2L |  |
|         |       |     | 10 Sltst              | : brn gy                           |     | 0101-4L |  |
|         |       |     | 5 Coal                | : blk                              |     | 0101-3L |  |
| 2230.00 |       |     |                       |                                    |     | 0102    |  |
|         | 0.28  |     | 75 S/Sst              | : w, lt gy to m gy, v col, cem, 1  |     | 0102-1L |  |
|         |       |     | 10 Sh/Clst:           | gn gy, m gy to drk gy, slt         |     | 0102-2L |  |
|         |       |     | 10 Sltst              | : brn gy                           |     | 0102-4L |  |
|         |       |     | 5 Coal                | : blk                              |     | 0102-3L |  |
| 2235.00 |       |     |                       |                                    |     | 0103    |  |
|         |       |     | 75 S/Sst              | : w, lt gy to m gy, v col, cem, 1  |     | 0103-1L |  |
|         |       |     | 15 Sltst              | : brn gy                           |     | 0103-4L |  |
|         |       |     | 5 Sh/Clst:            | gn gy, m gy to drk gy, slt         |     | 0103-2L |  |
|         |       |     | 5 Coal                | : blk                              |     | 0103-3L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age  | Trb | Sample  |
|---------|-------|------|-----|--|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                      |     |         |
| 2240.00 |       |      |     |  |     | 0104    |
|         |       |      |     | 75 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0104-1L |
|         |       |      |     | 15 Sltst : brn gy                          |     | 0104-4L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0104-2L |
|         |       |      |     | 5 Coal : blk                               |     | 0104-3L |
| 2245.00 |       |      |     |  |     | 0105    |
|         |       |      |     | 75 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0105-1L |
|         |       |      |     | 10 Coal : blk                              |     | 0105-3L |
|         |       |      |     | 10 Sltst : brn gy                          |     | 0105-4L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0105-2L |
| 2250.00 |       |      |     |  |     | 0106    |
|         | 58.91 |      |     | 65 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0106-1L |
|         |       |      |     | 20 Coal : blk                              |     | 0106-3L |
|         |       |      |     | 10 Sltst : brn gy                          |     | 0106-4L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0106-2L |
| 2255.00 |       |      |     |  |     | 0107    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0107-1L |
|         |       |      |     | 15 Coal : blk                              |     | 0107-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy                  |     | 0107-4L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0107-2L |
| 2260.00 |       |      |     |  |     | 0108    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0108-1L |
|         |       |      |     | 15 Coal : blk to brn blk, cly              |     | 0108-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy                  |     | 0108-4L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0108-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age   | Trb | Sample  |
|---------|-------|------|-----|---|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                       |     |         |
| 2265.00 |       |      |     |   |     | 0109    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0109-1L |
|         |       |      |     | 15 Coal : blk to brn blk, cly               |     | 0109-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy                   |     | 0109-4L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt       |     | 0109-2L |
| 2270.00 |       |      |     |   |     | 0110    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0110-1L |
|         | 48.37 |      |     | 20 Coal : blk to brn blk, cly               |     | 0110-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy                   |     | 0110-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0110-2L |
| 2275.00 |       |      |     |   |     | 0111    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0111-1L |
|         |       |      |     | 20 Sltst : brn gy to m gy, cly              |     | 0111-4L |
|         |       |      |     | 10 Coal : blk to brn blk, cly               |     | 0111-3L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0111-2L |
| 2280.00 |       |      |     |   |     | 0112    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0112-1L |
|         |       |      |     | 20 Sltst : brn gy to m gy to drk y brn, cly |     | 0112-4L |
|         |       |      |     | 10 Coal : blk to brn blk, cly               |     | 0112-3L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0112-2L |
| 2285.00 |       |      |     |   |     | 0113    |
|         |       |      |     | 65 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0113-1L |
|         | 57.93 |      |     | 30 Coal : blk to brn blk, cly               |     | 0113-3L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly  |     | 0113-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0113-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp | Frm                   | Age | Trb                              | Sample  |  |
|---------|-------|-----|-----------------------|-----|----------------------------------|---------|--|
| Int Cvd | TOC%  | %   | Lithology description |     |                                  |         |  |
| 2290.00 |       |     |                       |     |                                  | 0114    |  |
|         | 46.73 | 55  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0114-1L |  |
|         |       | 40  | Coal                  | :   | blk to brn blk, cly              | 0114-3L |  |
|         |       | 5   | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0114-4L |  |
|         |       | tr  | Sh/Clst:              |     | gn gy, m gy to drk gy, slt       | 0114-2L |  |
| 2295.00 |       |     |                       |     |                                  | 0115    |  |
|         |       | 70  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0115-1L |  |
|         |       | 20  | Coal                  | :   | blk to brn blk, cly              | 0115-3L |  |
|         |       | 10  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0115-4L |  |
|         |       | tr  | Sh/Clst:              |     | gn gy, m gy to drk gy, slt       | 0115-2L |  |
| 2300.00 |       |     |                       |     |                                  | 0116    |  |
|         | 54.46 | 50  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0116-1L |  |
|         |       | 40  | Coal                  | :   | blk to brn blk, cly              | 0116-3L |  |
|         |       | 10  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0116-4L |  |
|         |       | tr  | Sh/Clst:              |     | gn gy, m gy to drk gy, slt       | 0116-2L |  |
| 2305.00 |       |     |                       |     |                                  | 0117    |  |
|         |       | 40  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0117-1L |  |
|         |       | 40  | Coal                  | :   | blk to brn blk, cly              | 0117-3L |  |
|         |       | 20  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0117-4L |  |
|         |       | tr  | Sh/Clst:              |     | gn gy, m gy to drk gy, slt       | 0117-2L |  |
| 2310.00 |       |     |                       |     |                                  | 0118    |  |
|         |       | 50  | Coal                  | :   | blk to brn blk, cly              | 0118-3L |  |
|         |       | 25  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0118-1L |  |
|         |       | 25  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0118-4L |  |
|         |       | tr  | Sh/Clst:              |     | gn gy, m gy to drk gy, slt       | 0118-2L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm         | Age                                | Trb | Sample  |
|---------|-------|------|-------------|------------------------------------|-----|---------|
| Int     | Cvd   | TOC% | %           | Lithology description              |     |         |
| 2315.00 |       |      |             |                                    |     | 0119    |
|         | 56.95 | 70   | Coal        | : blk to brn blk, cly              |     | 0119-3L |
|         |       | 15   | S/Sst       | : w, lt gy to m gy, v col, cem, l  |     | 0119-1L |
|         |       | 15   | Sltst       | : brn gy to m gy to drk y brn, cly |     | 0119-4L |
|         |       |      | tr Sh/Clst: | gn gy, m gy to drk gy, slt         |     | 0119-2L |
| 2320.00 |       |      |             |                                    |     | 0120    |
|         |       | 65   | Coal        | : blk to brn blk, cly              |     | 0120-3L |
|         |       | 20   | S/Sst       | : w, lt gy to m gy, v col, cem, l  |     | 0120-1L |
|         |       | 15   | Sltst       | : brn gy to m gy to drk y brn, cly |     | 0120-4L |
|         |       |      | tr Sh/Clst: | gn gy, m gy to drk gy, slt         |     | 0120-2L |
| 2325.00 |       |      |             |                                    |     | 0121    |
|         | 45.25 | 65   | Coal        | : blk to brn blk, cly              |     | 0121-3L |
|         |       | 20   | S/Sst       | : w, lt gy to m gy, v col, cem, l  |     | 0121-1L |
|         |       | 15   | Sltst       | : brn gy to m gy to drk y brn, cly |     | 0121-4L |
|         |       |      | tr Sh/Clst: | gn gy, m gy to drk gy, slt         |     | 0121-2L |
| 2330.00 |       |      |             |                                    |     | 0122    |
|         |       | 55   | Coal        | : blk to brn blk, cly              |     | 0122-3L |
|         |       | 30   | S/Sst       | : w, lt gy to m gy, v col, cem, l  |     | 0122-1L |
|         |       | 15   | Sltst       | : brn gy to m gy to drk y brn, cly |     | 0122-4L |
|         |       |      | tr Sh/Clst: | gn gy, m gy to drk gy, slt         |     | 0122-2L |
| 2335.00 |       |      |             |                                    |     | 0123    |
|         | 0.26  | 60   | S/Sst       | : w, lt gy to m gy, v col, cem, l  |     | 0123-1L |
|         |       | 20   | Coal        | : blk to brn blk, cly              |     | 0123-3L |
|         |       | 20   | Sltst       | : brn gy to m gy to drk y brn, cly |     | 0123-4L |
|         |       |      | tr Sh/Clst: | gn gy, m gy to drk gy, slt         |     | 0123-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age   | Trb | Sample  |
|---------|-------|------|-----|---|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                       |     |         |
| 2340.00 |       |      |     |   |     | 0124    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0124-1L |
|         |       |      |     | 20 Coal : blk to brn blk, cly               |     | 0124-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy to drk y brn, cly |     | 0124-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0124-2L |
| 2345.00 |       |      |     |   |     | 0125    |
|         | 46.41 |      |     | 60 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0125-1L |
|         |       |      |     | 30 Coal : blk to brn blk, cly               |     | 0125-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy to drk y brn, cly |     | 0125-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0125-2L |
| 2350.00 |       |      |     |   |     | 0126    |
|         |       |      |     | 70 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0126-1L |
|         |       |      |     | 20 Coal : blk to brn blk, cly               |     | 0126-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy to drk y brn, cly |     | 0126-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0126-2L |
|         |       |      |     | tr Sh/Clst: gy red                          |     | 0126-5L |
| 2355.00 |       |      |     |   |     | 0127    |
|         | 35.77 |      |     | 75 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0127-1L |
|         |       |      |     | 15 Coal : blk to brn blk, cly               |     | 0127-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy to drk y brn, cly |     | 0127-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0127-2L |
|         |       |      |     | tr Sh/Clst: gy red                          |     | 0127-5L |
| 2360.00 |       |      |     |   |     | 0128    |
|         |       |      |     | 75 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0128-1L |
|         |       |      |     | 15 Coal : blk to brn blk, cly               |     | 0128-3L |
|         |       |      |     | 10 Sltst : brn gy to m gy to drk y brn, cly |     | 0128-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0128-2L |
|         |       |      |     | tr Sh/Clst: gy red                          |     | 0128-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp | Frm                   | Age                                | Trb | Sample  |
|---------|-------|-----|-----------------------|------------------------------------|-----|---------|
| Int Cvd | TOC%  | %   | Lithology description |                                    |     |         |
| 2365.00 |       |     |                       |                                    |     | 0129    |
|         | 0.45  | 80  | S/Sst                 | : w, lt gy to m gy, v col, cem, l  |     | 0129-1L |
|         |       | 10  | Coal                  | : blk to brn blk, cly              |     | 0129-3L |
|         |       | 10  | Sltst                 | : brn gy to m gy to drk y brn, cly |     | 0129-4L |
|         |       | tr  | Sh/Clst:              | gn gy, m gy to drk gy, slt         |     | 0129-2L |
| 2370.00 |       |     |                       |                                    |     | 0130    |
|         |       | 90  | S/Sst                 | : w, lt gy to m gy, v col, cem, l  |     | 0130-1L |
|         |       | 5   | Coal                  | : blk to brn blk, cly              |     | 0130-3L |
|         |       | 5   | Sltst                 | : brn gy to m gy to drk y brn, cly |     | 0130-4L |
|         |       | tr  | Sh/Clst:              | gn gy, m gy to drk gy, slt         |     | 0130-2L |
| 2375.00 |       |     |                       |                                    |     | 0131    |
|         |       | 80  | S/Sst                 | : w, lt gy to m gy, v col, cem, l  |     | 0131-1L |
|         |       | 10  | Coal                  | : blk to brn blk, cly              |     | 0131-3L |
|         |       | 10  | Sltst                 | : brn gy to m gy to drk y brn, cly |     | 0131-4L |
|         |       | tr  | Sh/Clst:              | gn gy, m gy to drk gy, slt         |     | 0131-2L |
| 2380.00 |       |     |                       |                                    |     | 0132    |
|         |       | 65  | S/Sst                 | : w, lt gy to m gy, v col, cem, l  |     | 0132-1L |
|         |       | 25  | Coal                  | : blk to brn blk, cly              |     | 0132-3L |
|         |       | 10  | Sltst                 | : brn gy to m gy to drk y brn, cly |     | 0132-4L |
|         |       | tr  | Sh/Clst:              | gn gy, m gy to drk gy, slt         |     | 0132-2L |
| 2385.00 |       |     |                       |                                    |     | 0133    |
|         | 53.40 | 60  | Coal                  | : blk to brn blk, cly              |     | 0133-3L |
|         |       | 30  | S/Sst                 | : w, lt gy to m gy, v col, cem, l  |     | 0133-1L |
|         |       | 10  | Sltst                 | : brn gy to m gy to drk y brn, cly |     | 0133-4L |
|         |       | tr  | Sh/Clst:              | gn gy, m gy to drk gy, slt         |     | 0133-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age  | Trb | Sample  |
|---------|-------|------|-----|--|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                      |     |         |
| 2390.00 |       |      |     |  |     | 0134    |
|         |       |      |     | 75 Coal : blk to brn blk, cly              |     | 0134-3L |
|         |       |      |     | 20 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0134-1L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0134-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0134-2L |
| 2395.00 |       |      |     |  |     | 0135    |
|         | 43.28 |      |     | 65 Coal : blk to brn blk, cly              |     | 0135-3L |
|         |       |      |     | 30 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0135-1L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0135-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0135-2L |
| 2405.00 |       |      |     |  |     | 0136    |
|         |       |      |     | 50 Coal : blk to brn blk, cly              |     | 0136-3L |
|         |       |      |     | 45 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0136-1L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0136-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0136-2L |
| 2410.00 |       |      |     |  |     | 0137    |
|         |       |      |     | 50 Coal : blk to brn blk, cly              |     | 0137-3L |
|         |       |      |     | 45 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0137-1L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0137-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0137-2L |
| 2415.00 |       |      |     |  |     | 0138    |
|         | 53.42 |      |     | 65 Coal : blk to brn blk, cly              |     | 0138-3L |
|         |       |      |     | 30 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0138-1L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0138-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0138-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp | Frm                   | Age      | Trb                                | Sample  |  |
|---------|-------|-----|-----------------------|----------|------------------------------------|---------|--|
| Int Cvd | TOC%  | %   | Lithology description |          |                                    |         |  |
| 2420.00 |       |     |                       |          |                                    | 0139    |  |
|         |       |     | 75                    | Coal     | : blk to brn blk, cly              | 0139-3L |  |
|         |       |     | 20                    | S/Sst    | : w, lt gy to m gy, v col, cem, l  | 0139-1L |  |
|         |       |     | 5                     | Sltst    | : brn gy to m gy to drk y brn, cly | 0139-4L |  |
|         |       |     | tr                    | Sh/Clst: | gn gy, m gy to drk gy, slt         | 0139-2L |  |
| 2425.00 |       |     |                       |          |                                    | 0140    |  |
|         | 54.59 |     | 75                    | Coal     | : blk to brn blk, cly              | 0140-3L |  |
|         |       |     | 20                    | S/Sst    | : w, lt gy to m gy, v col, cem, l  | 0140-1L |  |
|         |       |     | 5                     | Sltst    | : brn gy to m gy to drk y brn, cly | 0140-4L |  |
|         |       |     | tr                    | Sh/Clst: | gn gy, m gy to drk gy, slt         | 0140-2L |  |
| 2430.00 |       |     |                       |          |                                    | 0141    |  |
|         |       |     | 75                    | Coal     | : blk to brn blk, cly              | 0141-3L |  |
|         |       |     | 20                    | S/Sst    | : w, lt gy to m gy, v col, cem, l  | 0141-1L |  |
|         |       |     | 5                     | Sltst    | : brn gy to m gy to drk y brn, cly | 0141-4L |  |
|         |       |     | tr                    | Sh/Clst: | gn gy, m gy to drk gy, slt         | 0141-2L |  |
| 2435.00 |       |     |                       |          |                                    | 0142    |  |
|         |       |     | 60                    | Coal     | : blk to brn blk, cly              | 0142-3L |  |
|         |       |     | 30                    | S/Sst    | : w, lt gy to m gy, v col, cem, l  | 0142-1L |  |
|         |       |     | 5                     | Sh/Clst: | gn gy, m gy to drk gy, slt         | 0142-2L |  |
|         |       |     | 5                     | Sltst    | : brn gy to m gy to drk y brn, cly | 0142-4L |  |
| 2440.00 |       |     |                       |          |                                    | 0143    |  |
|         | 40.81 |     | 50                    | Coal     | : blk to brn blk, cly              | 0143-3L |  |
|         |       |     | 40                    | S/Sst    | : w, lt gy to m gy, v col, cem, l  | 0143-1L |  |
|         |       |     | 5                     | Sh/Clst: | gn gy, m gy to drk gy, slt         | 0143-2L |  |
|         |       |     | 5                     | Sltst    | : brn gy to m gy to drk y brn, cly | 0143-4L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age  | Trb | Sample  |
|---------|-------|------|-----|--|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                      |     |         |
| 2445.00 |       |      |     |  |     | 0144    |
|         |       |      |     | 60 Coal : blk to brn blk, cly              |     | 0144-3L |
|         |       |      |     | 30 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0144-1L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0144-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0144-4L |
| 2450.00 |       |      |     |  |     | 0145    |
|         | 38.16 |      |     | 55 Coal : blk to brn blk, cly              |     | 0145-3L |
|         |       |      |     | 30 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0145-1L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0145-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0145-4L |
|         |       |      |     | 5 Sh/Clst: drk y brn, carb, wx             |     | 0145-5L |
| 2455.00 |       |      |     |  |     | 0146    |
|         |       |      |     | 50 Coal : blk to brn blk, cly              |     | 0146-3L |
|         |       |      |     | 40 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0146-1L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0146-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0146-4L |
|         |       |      |     | tr Sh/Clst: drk y brn, carb, wx            |     | 0146-5L |
| 2460.00 |       |      |     |  |     | 0147    |
|         | 46.30 |      |     | 70 Coal : blk to brn blk, cly              |     | 0147-3L |
|         |       |      |     | 20 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0147-1L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0147-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0147-4L |
|         |       |      |     | tr Sh/Clst: drk y brn, carb, wx            |     | 0147-5L |
| 2465.00 |       |      |     |  |     | 0148    |
|         |       |      |     | 65 Coal : blk to brn blk, cly              |     | 0148-3L |
|         |       |      |     | 20 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0148-1L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0148-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0148-4L |
|         |       |      |     | 5 Sh/Clst: drk y brn, carb, wx             |     | 0148-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age  | Trb | Sample  |
|---------|-------|------|-----|--|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                      |     |         |
| 2470.00 |       |      |     |  |     | 0149    |
|         |       |      |     | 65 Coal : blk to brn blk, cly              |     | 0149-3L |
|         |       |      |     | 20 S/Sst : w, lt gy to m gy, v col, cem, 1 |     | 0149-1L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0149-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0149-4L |
|         |       |      |     | 5 Sh/Clst: drk y brn, carb, wx             |     | 0149-5L |
| 2475.00 |       |      |     |  |     | 0150    |
|         |       |      |     | 55 Coal : blk to brn blk, cly              |     | 0150-3L |
|         |       |      |     | 30 S/Sst : w, lt gy to m gy, v col, cem, 1 |     | 0150-1L |
|         |       |      |     | 5 Sh/Clst: gn gy, m gy to drk gy, slt      |     | 0150-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0150-4L |
|         |       |      |     | 5 Sh/Clst: drk y brn, carb, wx             |     | 0150-5L |
| 2480.00 |       |      |     |  |     | 0151    |
|         | 44.88 |      |     | 75 Coal : blk to brn blk, cly              |     | 0151-3L |
|         |       |      |     | 15 S/Sst : w, lt gy to m gy, v col, cem, 1 |     | 0151-1L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0151-4L |
|         |       |      |     | 5 Sh/Clst: drk y brn, carb, wx             |     | 0151-5L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0151-2L |
| 2485.00 |       |      |     |  |     | 0152    |
|         |       |      |     | 55 Coal : blk to brn blk, cly              |     | 0152-3L |
|         |       |      |     | 35 S/Sst : w, lt gy to m gy, v col, cem, 1 |     | 0152-1L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0152-4L |
|         |       |      |     | 5 Sh/Clst: drk y brn, carb, wx             |     | 0152-5L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0152-2L |
| 2490.00 |       |      |     |  |     | 0153    |
|         |       |      |     | 50 S/Sst : w, lt gy to m gy, v col, cem, 1 |     | 0153-1L |
|         |       |      |     | 30 Coal : blk to brn blk, cly              |     | 0153-3L |
|         |       |      |     | 15 Sh/Clst: drk y brn, carb, wx            |     | 0153-5L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0153-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0153-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age  | Trb | Sample  |
|---------|-------|------|-----|--|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                      |     |         |
| 2495.00 |       |      |     |  |     | 0154    |
|         |       |      |     | 65 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0154-1L |
|         |       |      |     | 20 Coal : blk to brn blk, cly              |     | 0154-3L |
|         |       |      |     | 10 Sh/Clst: drk y brn, carb, wx            |     | 0154-5L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0154-4L |
|         |       |      |     | tr Sh/Clst: gn gy, m gy to drk gy, slt     |     | 0154-2L |
| 2500.00 |       |      |     |  |     | 0155    |
|         |       |      |     | 50 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0155-1L |
|         | 47.75 |      |     | 40 Coal : blk to brn blk, cly              |     | 0155-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0155-3L |
|         |       |      |     | 5 Sh/Clst: brn blk to drk y brn            |     | 0155-4L |
| 2505.00 |       |      |     |  |     | 0156    |
|         |       |      |     | 60 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0156-1L |
|         |       |      |     | 30 Coal : blk to brn blk, cly              |     | 0156-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0156-3L |
|         |       |      |     | 5 Sh/Clst: brn blk to drk y brn            |     | 0156-4L |
| 2510.00 |       |      |     |  |     | 0157    |
|         |       |      |     | 60 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0157-1L |
|         |       |      |     | 30 Coal : blk to brn blk, cly              |     | 0157-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0157-3L |
|         |       |      |     | 5 Sh/Clst: brn blk to drk y brn            |     | 0157-4L |
| 2515.00 |       |      |     |  |     | 0158    |
|         |       |      |     | 65 S/Sst : w, lt gy to m gy, v col, cem, l |     | 0158-1L |
|         |       |      |     | 25 Coal : blk to brn blk, cly              |     | 0158-2L |
|         |       |      |     | 5 Sltst : brn gy to m gy to drk y brn, cly |     | 0158-3L |
|         |       |      |     | 5 Sh/Clst: brn blk to drk y brn            |     | 0158-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                      | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                    |     |         |
| 2523.00 |      |      |     |  |     | 0159    |
|         | 0.09 |      | 70  | S/Sst : w, lt gy to m gy, v col, cem, 1  |     | 0159-1L |
|         |      |      | 20  | Coal : blk to brn blk, cly               |     | 0159-2L |
|         |      |      | 5   | Sltst : brn gy to m gy to drk y brn, cly |     | 0159-3L |
|         |      |      | 5   | Sh/Clst: brn blk to drk y brn            |     | 0159-4L |
| 2526.00 |      |      |     |  |     | 0160    |
|         |      |      | 80  | Cont : cem                               |     | 0160-5L |
|         |      |      | 5   | S/Sst : w, lt gy to m gy, v col, cem, 1  |     | 0160-1L |
|         |      |      | 5   | Coal : blk to brn blk, cly               |     | 0160-2L |
|         |      |      | 5   | Sltst : brn gy to m gy to drk y brn, cly |     | 0160-3L |
|         |      |      | 5   | Sh/Clst: brn blk to drk y brn            |     | 0160-4L |
| 2532.00 |      |      |     |  |     | 0161    |
|         |      |      | 95  | Cont : cem                               |     | 0161-5L |
|         |      |      | 5   | S/Sst : w, lt gy to m gy, v col, cem, 1  |     | 0161-1L |
|         |      |      | tr  | Coal : blk to brn blk, cly               |     | 0161-2L |
|         |      |      | tr  | Sltst : brn gy to m gy to drk y brn, cly |     | 0161-3L |
|         |      |      | tr  | Sh/Clst: brn blk to drk y brn            |     | 0161-4L |
| 2535.00 |      |      |     |  |     | 0162    |
|         |      |      | 75  | Cont : cem                               |     | 0162-5L |
|         |      |      | 5   | S/Sst : w, lt gy to m gy, v col, cem, 1  |     | 0162-1L |
|         |      |      | 5   | Coal : blk to brn blk, cly               |     | 0162-2L |
|         |      |      | 5   | Sltst : brn gy to m gy to drk y brn, cly |     | 0162-3L |
|         |      |      | 5   | Sh/Clst: brn blk to drk y brn            |     | 0162-4L |
|         |      |      | 5   | Sh/Clst: gy red                          |     | 0162-6L |
| 2544.00 |      |      |     |  |     | 0163    |
|         |      |      | 40  | S/Sst : w, lt gy to m gy, v col, cem, 1  |     | 0163-1L |
|         |      |      | 40  | Coal : blk to brn blk, cly               |     | 0163-2L |
|         |      |      | 10  | Sltst : brn gy to m gy to drk y brn, cly |     | 0163-3L |
|         |      |      | 10  | Sh/Clst: brn blk to drk y brn, carb      |     | 0163-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp | Frm                   | Age | Trb                              | Sample  |  |
|---------|-------|-----|-----------------------|-----|----------------------------------|---------|--|
| Int Cvd | TOC%  | %   | Lithology description |     |                                  |         |  |
| 2550.00 |       |     |                       |     |                                  | 0164    |  |
|         | 51.25 | 40  | Coal                  | :   | blk to brn blk, cly              | 0164-2L |  |
|         |       | 30  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0164-1L |  |
|         |       | 10  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0164-3L |  |
|         |       | 10  | Sh/Clst               | :   | brn blk to drk y brn, carb       | 0164-4L |  |
|         |       | 10  | Cont                  | :   | cem                              | 0164-5L |  |
| 2556.00 |       |     |                       |     |                                  | 0165    |  |
|         |       | 80  | Coal                  | :   | blk to brn blk, cly              | 0165-2L |  |
|         |       | 10  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0165-1L |  |
|         |       | 10  | Sh/Clst               | :   | brn blk to drk y brn, carb       | 0165-4L |  |
|         |       | tr  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0165-3L |  |
| 2562.00 |       |     |                       |     |                                  | 0166    |  |
|         |       | 50  | Coal                  | :   | blk to brn blk, cly              | 0166-2L |  |
|         |       | 40  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0166-1L |  |
|         |       | 10  | Sh/Clst               | :   | brn blk to drk y brn, carb       | 0166-4L |  |
|         |       | tr  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0166-3L |  |
| 2568.00 |       |     |                       |     |                                  | 0167    |  |
|         |       | 40  | Coal                  | :   | blk to brn blk, cly              | 0167-2L |  |
|         |       | 40  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0167-3L |  |
|         |       | 10  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0167-1L |  |
|         |       | 10  | Sh/Clst               | :   | brn blk to drk y brn, carb       | 0167-4L |  |
| 2574.00 |       |     |                       |     |                                  | 0168    |  |
|         | 68.48 | 50  | Coal                  | :   | blk to brn blk, cly              | 0168-2L |  |
|         |       | 30  | S/Sst                 | :   | w, lt gy to m gy, v col, cem, l  | 0168-1L |  |
|         |       | 10  | Sltst                 | :   | brn gy to m gy to drk y brn, cly | 0168-3L |  |
|         |       | 10  | Sh/Clst               | :   | brn blk to drk y brn, carb       | 0168-4L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age   | Trb | Sample  |
|---------|-------|------|-----|---|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                       |     |         |
| 2580.00 |       |      |     |   |     | 0169    |
|         |       |      |     | 90 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0169-1L |
|         |       |      |     | 10 Coal : blk to brn blk, cly               |     | 0169-2L |
|         |       |      |     | tr Sltst : brn gy to m gy to drk y brn, cly |     | 0169-3L |
|         |       |      |     | tr Sh/Clst: brn blk to drk y brn, carb      |     | 0169-4L |
| 2586.00 |       |      |     |   |     | 0170    |
|         | 49.10 |      |     | 70 Coal : blk to brn blk, cly               |     | 0170-2L |
|         |       |      |     | 20 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0170-1L |
|         |       |      |     | 10 Sh/Clst: brn blk to drk y brn, carb      |     | 0170-4L |
|         |       |      |     | tr Sltst : brn gy to m gy to drk y brn, cly |     | 0170-3L |
| 2592.00 |       |      |     |   |     | 0171    |
|         |       |      |     | 40 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0171-1L |
|         |       |      |     | 40 Coal : blk to brn blk, cly               |     | 0171-2L |
|         |       |      |     | 10 Sh/Clst: brn blk to drk y brn, carb      |     | 0171-4L |
|         |       |      |     | 10 Ca : m brn                               |     | 0171-5L |
|         |       |      |     | tr Sltst : brn gy to m gy to drk y brn, cly |     | 0171-3L |
| 2598.00 |       |      |     |   |     | 0172    |
|         | 34.01 |      |     | 50 Coal : blk to brn blk, cly               |     | 0172-2L |
|         |       |      |     | 30 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0172-1L |
|         |       |      |     | 10 Sh/Clst: brn blk to drk y brn, carb      |     | 0172-4L |
|         |       |      |     | 10 Ca : m brn                               |     | 0172-5L |
|         |       |      |     | tr Sltst : brn gy to m gy to drk y brn, cly |     | 0172-3L |
| 2604.00 |       |      |     |   |     | 0173    |
|         |       |      |     | 60 S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0173-1L |
|         |       |      |     | 30 Coal : blk to brn blk, cly               |     | 0173-2L |
|         |       |      |     | 5 Sh/Clst: brn blk to drk y brn, carb       |     | 0173-4L |
|         |       |      |     | 5 Ca : m brn                                |     | 0173-5L |
|         |       |      |     | tr Sltst : brn gy to m gy to drk y brn, cly |     | 0173-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                      | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                    |     |         |
| 2610.00 |      |      |     |  |     | 0174    |
|         | cvd  |      | 60  | S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0174-1L |
|         | cvd  |      | 30  | Coal : blk to brn blk, cly               |     | 0174-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb      |     | 0174-4L |
|         | cvd  |      | 5   | Ca : m brn                               |     | 0174-5L |
|         | cvd  |      | tr  | Sltst : brn gy to m gy to drk y brn, cly |     | 0174-3L |
| 2616.00 |      |      |     |  |     | 0175    |
|         | cvd  | 0.21 | 50  | S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0175-1L |
|         | cvd  |      | 40  | Coal : blk to brn blk, cly               |     | 0175-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb      |     | 0175-4L |
|         | cvd  |      | 5   | Ca : m brn                               |     | 0175-5L |
|         | cvd  |      | tr  | Sltst : brn gy to m gy to drk y brn, cly |     | 0175-3L |
| 2622.00 |      |      |     |  |     | 0176    |
|         | cvd  |      | 50  | Coal : blk to brn blk, cly               |     | 0176-2L |
|         | cvd  |      | 40  | S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0176-1L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb      |     | 0176-4L |
|         | cvd  |      | 5   | Ca : m brn                               |     | 0176-5L |
|         | cvd  |      | tr  | Sltst : brn gy to m gy to drk y brn, cly |     | 0176-3L |
| 2625.00 |      |      |     |  |     | 0177    |
|         | cvd  |      | 50  | Coal : blk to brn blk, cly               |     | 0177-2L |
|         | cvd  |      | 40  | S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0177-1L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb      |     | 0177-4L |
|         | cvd  |      | 5   | Ca : m brn                               |     | 0177-5L |
|         | cvd  |      | tr  | Sltst : brn gy to m gy to drk y brn, cly |     | 0177-3L |
| 2637.00 |      |      |     |  |     | 0178    |
|         | cvd  |      | 80  | S/Sst : w, lt gy to m gy, v col, cem, l  |     | 0178-1L |
|         | cvd  |      | 10  | Coal : blk to brn blk, cly               |     | 0178-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb      |     | 0178-3L |
|         | cvd  |      | 5   | Ca : m brn                               |     | 0178-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                     | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                   |     |         |
| 2640.00 |      |      |     |   |     | 0179    |
|         | cvd  |      | 80  | S/Sst : w, lt gy to m gy, v col, cem, l |     | 0179-1L |
|         | cvd  |      | 10  | Coal : blk to brn blk, cly              |     | 0179-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb     |     | 0179-3L |
|         | cvd  |      | 5   | Ca : m brn                              |     | 0179-4L |
| 2646.00 |      |      |     |   |     | 0180    |
|         | cvd  |      | 70  | S/Sst : w, lt gy to m gy, v col, cem, l |     | 0180-1L |
|         | cvd  |      | 20  | Coal : blk to brn blk, cly              |     | 0180-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb     |     | 0180-3L |
|         | cvd  |      | 5   | Ca : m brn                              |     | 0180-4L |
| 2652.00 |      |      |     |   |     | 0181    |
|         | cvd  | 0.10 | 70  | S/Sst : w, lt gy to m gy, cem, l        |     | 0181-1L |
|         | cvd  |      | 20  | Coal : blk to brn blk, cly              |     | 0181-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb     |     | 0181-3L |
|         | cvd  |      | 5   | Ca : m brn                              |     | 0181-4L |
| 2658.00 |      |      |     |   |     | 0182    |
|         | cvd  |      | 80  | S/Sst : w, lt gy to m gy, cem, l        |     | 0182-1L |
|         | cvd  |      | 15  | Coal : blk to brn blk, cly              |     | 0182-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb     |     | 0182-3L |
|         | cvd  |      | tr  | Ca : m brn                              |     | 0182-4L |
| 2664.00 |      |      |     |   |     | 0183    |
|         | cvd  | 2.41 | 65  | S/Sst : w, lt gy to m gy, cem, l        |     | 0183-1L |
|         | cvd  |      | 20  | Sh/Clst: gy blk, mic                    |     | 0183-5L |
|         | cvd  |      | 10  | Coal : blk to brn blk, cly              |     | 0183-2L |
|         | cvd  |      | 5   | Sh/Clst: brn blk to drk y brn, carb     |     | 0183-3L |
|         | cvd  |      | tr  | Ca : m brn                              |     | 0183-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                 | Trb | Sample  |
|---------|------|------|-----|-------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description               |     |         |
| 2670.00 |      |      |     |                                     |     | 0184    |
|         | cvd  |      | 90  | S/Sst : w, lt gy to m gy, cem, l    |     | 0184-1L |
|         |      |      | 5   | Coal : blk to brn blk, cly          |     | 0184-2L |
|         |      |      | 5   | Sh/Clst: gy blk, mic                |     | 0184-5L |
|         | cvd  |      | tr  | Sh/Clst: brn blk to drk y brn, carb |     | 0184-3L |
|         | cvd  |      | tr  | Ca : m brn                          |     | 0184-4L |
| 2676.00 |      |      |     |                                     |     | 0185    |
|         |      |      | 85  | S/Sst : w, lt gy to m gy, cem, l    |     | 0185-1L |
|         |      |      | 10  | Sh/Clst: gy blk to drk gy, mic      |     | 0185-5L |
|         | cvd  |      | 5   | Coal : blk to brn blk, cly          |     | 0185-2L |
|         | cvd  |      | tr  | Sh/Clst: brn blk to drk y brn, carb |     | 0185-3L |
|         | cvd  |      | tr  | Ca : m brn                          |     | 0185-4L |
| 2682.00 |      |      |     |                                     |     | 0186    |
|         |      | 0.22 | 90  | S/Sst : w, lt gy to m gy, cem, l    |     | 0186-1L |
|         |      |      | 10  | Sh/Clst: gy blk to drk gy, mic      |     | 0186-3L |
|         | cvd  |      | tr  | Coal : blk to brn blk, cly          |     | 0186-2L |
|         |      |      | tr  | Ca : y gy                           |     | 0186-4L |
| 2688.00 |      |      |     |                                     |     | 0187    |
|         |      |      | 80  | S/Sst : w, lt gy to m gy, cem, l    |     | 0187-1L |
|         |      |      | 15  | Sh/Clst: gy blk to drk gy, mic      |     | 0187-3L |
|         |      |      | 5   | Ca : y gy                           |     | 0187-4L |
|         | cvd  |      | tr  | Coal : blk to brn blk, cly          |     | 0187-2L |
| 2696.00 |      |      |     |                                     |     | 0188    |
|         |      |      | 70  | S/Sst : w, lt gy to m gy, cem, l    |     | 0188-1L |
|         |      | 2.71 | 20  | Sh/Clst: gy blk to drk gy, mic      |     | 0188-3L |
|         |      |      | 10  | Ca : y gy                           |     | 0188-4L |
|         | cvd  |      | tr  | Coal : blk to brn blk, cly          |     | 0188-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |   |
| 2703.00 |      |      |     |  |     | 0189  |
|         | cvd  |      |     | 80 S/Sst : w, lt gy to m gy, cem, l<br>15 Sh/Clst: gy blk to drk gy, mic<br>5 Sh/Clst: drk y brn to dsk y brn, wx<br>tr Coal : blk to brn blk, cly<br>tr Ca : y gy   |     | 0189-1L<br>0189-3L<br>0189-5L<br>0189-2L<br>0189-4L |
| 2709.00 |      |      |     |  |     | 0190  |
|         | cvd  |      |     | 80 S/Sst : w, lt gy to m gy, cem, l<br>15 Sh/Clst: gy blk to drk gy, mic<br>5 Sh/Clst: drk y brn to dsk y brn, wx<br>tr Coal : blk to brn blk, cly                   |     | 0190-1L<br>0190-3L<br>0190-4L<br>0190-2L            |
| 2715.00 |      |      |     |  |     | 0191  |
|         | cvd  | 0.26 |     | 80 S/Sst : w, lt gy to m gy, cem, l<br>15 Sh/Clst: gy blk to drk gy, mic<br>5 Sh/Clst: drk y brn to dsk y brn, wx<br>tr Coal : blk to brn blk, cly                   |     | 0191-1L<br>0191-3L<br>0191-4L<br>0191-2L            |
| 2721.00 |      |      |     |  |     | 0192  |
|         | cvd  |      |     | 80 S/Sst : w, lt gy to m gy, cem, l<br>15 Sh/Clst: gy blk to drk gy, mic<br>5 Sh/Clst: drk y brn to dsk y brn, wx<br>tr Coal : blk to brn blk, cly<br>tr Ca : gy pi  |     | 0192-1L<br>0192-3L<br>0192-4L<br>0192-2L<br>0192-5L |
| 2733.00 |      |      |     |  |     | 0193  |
|         | cvd  |      |     | 85 S/Sst : w, lt gy to m gy, cem, l<br>15 Sh/Clst: gy blk to drk gy, mic<br>tr Coal : blk to brn blk, cly<br>tr Sh/Clst: drk y brn to dsk y brn, wx<br>tr Ca : gy pi |     | 0193-1L<br>0193-3L<br>0193-2L<br>0193-4L<br>0193-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |   |
| 2745.00 |      |      |     |  |     | 0194  |
|         | cvd  | 2.18 |     | 60 S/Sst : w, lt gy to m gy, cem, l<br>40 Sh/Clst: gy blk to drk gy, mic<br>tr Coal : blk to brn blk, cly<br>tr Sh/Clst: drk y brn to dsk y brn, wx  |     | 0194-1L<br>0194-3L<br>0194-2L<br>0194-4L                                  |
| 2757.00 |      |      |     |  |     | 0195  |
|         | cvd  |      |     | 45 S/Sst : w, lt gy to m gy, cem, l<br>40 Sh/Clst: gy blk to drk gy, mic<br>10 Sltst : gy pi to y gy<br>5 Sh/Clst: gn gy<br>tr Coal : blk to brn blk, cly<br>tr Ca : drk y brn to dsk y brn                                    |     | 0195-1L<br>0195-3L<br>0195-4L<br>0195-5L<br>0195-2L<br>0195-6L            |
| 2766.00 |      |      |     |  |     | 0196  |
|         | cvd  |      |     | 40 S/Sst : w, lt gy to m gy, cem, l<br>40 Sh/Clst: gy blk to drk gy, mic<br>15 Sltst : gy pi to y gy<br>5 Sh/Clst: gn gy<br>tr Coal : blk to brn blk, cly<br>tr Ca : drk y brn to dsk y brn                                    |     | 0196-1L<br>0196-3L<br>0196-4L<br>0196-5L<br>0196-2L<br>0196-6L            |
| 2778.00 |      |      |     |  |     | 0197  |
|         | cvd  | 2.26 |     | 40 Sh/Clst: gy blk to drk gy, mic<br>20 S/Sst : w, lt gy to m gy, cem, l<br>15 Sh/Clst: lt gy to m gy<br>10 Sltst : gy pi to y gy<br>10 Ca : m gy, drk y brn to dsk y brn<br>5 Sh/Clst: gn gy<br>tr Coal : blk to brn blk, cly |     | 0197-3L<br>0197-1L<br>0197-7L<br>0197-4L<br>0197-6L<br>0197-5L<br>0197-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                          |     |         |
| 2790.00 |      |      |     |  |     | 0198    |
|         |      |      |     | 20 S/Sst : w, lt gy to m gy, cem, l            |     | 0198-1L |
|         |      |      |     | 20 Sh/Clst: gy blk to drk gy, mic              |     | 0198-2L |
|         |      |      |     | 20 Sh/Clst: gy red to red brn                  |     | 0198-4L |
|         |      |      |     | 20 Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0198-5L |
|         |      |      |     | 10 Sltst : gy pi to y gy                       |     | 0198-3L |
|         |      |      |     | 10 Sh/Clst: lt gy to m gy                      |     | 0198-6L |
| 2802.00 |      |      |     |  |     | 0199    |
|         |      |      |     | 30 Sh/Clst: gy red to red brn                  |     | 0199-4L |
|         |      |      |     | 20 S/Sst : w, lt gy to m gy, cem, l            |     | 0199-1L |
|         |      |      |     | 20 Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0199-5L |
|         |      |      |     | 10 Sh/Clst: gy blk to drk gy, mic              |     | 0199-2L |
|         |      |      |     | 10 Sltst : gy pi to y gy                       |     | 0199-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy               |     | 0199-6L |
| 2814.00 |      |      |     |  |     | 0200    |
|         |      |      |     | 50 Sh/Clst: gy red to red brn                  |     | 0200-4L |
|         |      |      |     | 20 S/Sst : w, lt gy to m gy, cem, l            |     | 0200-1L |
|         |      |      |     | 10 Sltst : gy pi to y gy                       |     | 0200-3L |
|         |      |      |     | 10 Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0200-5L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy               |     | 0200-6L |
|         |      |      |     | tr Sh/Clst: gy blk to drk gy, mic              |     | 0200-2L |
| 2826.00 |      |      |     |  |     | 0201    |
|         | 0.07 |      |     | 60 Sh/Clst: gy red to red brn                  |     | 0201-3L |
|         |      |      |     | 30 S/Sst : w, lt gy to m gy, cem, l            |     | 0201-1L |
|         |      |      |     | 5 Ca : lt gy, m gy, drk y brn to dsk y<br>brn  |     | 0201-4L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                |     | 0201-5L |
|         |      |      |     | tr Sltst : gy pi to y gy                       |     | 0201-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                          |     |         |
| 2838.00 |      |      |     |  |     | 0202    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                  |     | 0202-3L |
|         |      |      |     | 20 S/Sst : w, lt gy to m gy, cem, l            |     | 0202-1L |
|         |      |      |     | tr Sltst : gy pi to y gy                       |     | 0202-2L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0202-4L |
|         |      |      |     | tr Sh/Clst: gn gy, lt gy to m gy               |     | 0202-5L |
| 2850.00 |      |      |     |  |     | 0203    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                  |     | 0203-3L |
|         |      |      |     | 20 S/Sst : w, lt gy to m gy, cem, l            |     | 0203-1L |
|         |      |      |     | tr Sltst : gy pi to y gy                       |     | 0203-2L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0203-4L |
|         |      |      |     | tr Sh/Clst: gn gy, lt gy to m gy               |     | 0203-5L |
|         | cvd  |      |     | tr Coal : blk                                  |     | 0203-6L |
| 2862.00 |      |      |     |  |     | 0204    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                  |     | 0204-2L |
|         |      |      |     | 10 S/Sst : w, lt gy to m gy, cem, l            |     | 0204-1L |
|         |      |      |     | 10 Sh/Clst: gy blk to drk gy, mic              |     | 0204-6L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0204-3L |
|         |      |      |     | tr Sh/Clst: gn gy, lt gy to m gy               |     | 0204-4L |
|         | cvd  |      |     | tr Sh/Clst: blk                                |     | 0204-5L |
| 2874.00 |      |      |     |  |     | 0205    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                  |     | 0205-2L |
|         |      |      |     | 10 Sh/Clst: gy blk to drk gy, mic              |     | 0205-6L |
|         |      |      |     | 5 S/Sst : w, lt gy to m gy, cem, l             |     | 0205-1L |
|         |      |      |     | 5 Ca : lt gy, m gy, drk y brn to dsk y<br>brn  |     | 0205-3L |
|         |      |      |     | tr Sh/Clst: gn gy, lt gy to m gy               |     | 0205-4L |
|         | cvd  |      |     | tr Sh/Clst: blk                                |     | 0205-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                          |     |         |
| 2886.00 |      |      |     |  |     | 0206    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                  |     | 0206-2L |
|         |      |      |     | 10 S/Sst : w, lt gy to m gy, cem, l            |     | 0206-1L |
|         |      |      |     | 5 Ca : lt gy, m gy, drk y brn to dsk y<br>brn  |     | 0206-3L |
|         |      |      |     | 5 Sh/Clst: gy blk to drk gy, mic               |     | 0206-5L |
|         |      |      |     | tr Sh/Clst: gn gy, lt gy to m gy               |     | 0206-4L |
| 2898.00 |      |      |     |  |     | 0207    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                  |     | 0207-2L |
|         | 0.08 |      |     | 30 S/Sst : w, lt gy to m gy, cem, l            |     | 0207-1L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0207-3L |
|         |      |      |     | tr Sh/Clst: gn gy, lt gy to m gy               |     | 0207-4L |
|         |      |      |     | tr Sh/Clst: gy blk to drk gy, mic              |     | 0207-5L |
| 2907.00 |      |      |     |  |     | 0208    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                  |     | 0208-2L |
|         |      |      |     | 25 S/Sst : w, lt gy to m gy, cem, l            |     | 0208-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                |     | 0208-4L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0208-3L |
| 2919.00 |      |      |     |  |     | 0209    |
|         |      |      |     | 85 Sh/Clst: gy red to red brn                  |     | 0209-2L |
|         |      |      |     | 10 S/Sst : w, lt gy to m gy, cem, l            |     | 0209-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                |     | 0209-4L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0209-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                          |     |         |
| 2928.00 |      |      |     |  |     | 0210    |
|         |      |      |     | 90 Sh/Clst: gy red to red brn                  |     | 0210-2L |
|         |      |      |     | 5 S/Sst : w, lt gy to m gy, cem, l             |     | 0210-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                |     | 0210-4L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0210-3L |
| 2940.00 |      |      |     |  |     | 0211    |
|         |      |      |     | 90 Sh/Clst: gy red to red brn                  |     | 0211-2L |
|         |      |      |     | 5 S/Sst : w, lt gy to m gy, cem, l             |     | 0211-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                |     | 0211-4L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0211-3L |
| 2952.00 |      |      |     |  |     | 0212    |
|         |      |      |     | 90 Sh/Clst: gy red to red brn                  |     | 0212-2L |
|         |      |      |     | 5 S/Sst : w, lt gy to m gy, cem, l             |     | 0212-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                |     | 0212-4L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0212-3L |
| 2964.00 |      |      |     |  |     | 0213    |
|         |      |      |     | 85 Sh/Clst: gy red to red brn                  |     | 0213-2L |
|         |      |      |     | 5 S/Sst : w, lt gy to m gy, cem, l             |     | 0213-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                |     | 0213-4L |
|         |      |      |     | 5 Coal : blk                                   |     | 0213-5L |
|         |      |      |     | tr Ca : lt gy, m gy, drk y brn to dsk y<br>brn |     | 0213-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                       | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                     |     |         |
| 2976.00 |      |      |     |   |     | 0214    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn             |     | 0214-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem          |     | 0214-1L |
|         |      |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk  |     | 0214-3L |
|         |      |      |     | y brn                                     |     |         |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy           |     | 0214-4L |
| 2988.00 |      |      |     |   |     | 0215    |
|         |      |      |     | 90 Sh/Clst: gy red to red brn             |     | 0215-2L |
|         |      |      |     | 5 S/Sst : w, gy red, lt gy, cem           |     | 0215-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy           |     | 0215-4L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk |     | 0215-3L |
|         |      |      |     | y brn                                     |     |         |
| 3000.00 |      |      |     |   |     | 0216    |
|         | 0.06 |      |     | 90 Sh/Clst: gy red to red brn             |     | 0216-2L |
|         |      |      |     | 5 S/Sst : w, gy red, lt gy, cem           |     | 0216-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy           |     | 0216-4L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk |     | 0216-3L |
|         |      |      |     | y brn                                     |     |         |
| 3012.00 |      |      |     |   |     | 0217    |
|         |      |      |     | 90 Sh/Clst: gy red to red brn             |     | 0217-2L |
|         |      |      |     | 5 S/Sst : w, gy red, lt gy, cem           |     | 0217-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy           |     | 0217-4L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk |     | 0217-3L |
|         |      |      |     | y brn                                     |     |         |
| 3024.00 |      |      |     |   |     | 0218    |
|         |      |      |     | 60 Sh/Clst: gy red to red brn             |     | 0218-2L |
|         |      |      |     | 30 Sltst : y gy, calc                     |     | 0218-5L |
|         |      |      |     | 5 S/Sst : w, gy red, lt gy, cem           |     | 0218-1L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy           |     | 0218-4L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk |     | 0218-3L |
|         |      |      |     | y brn                                     |     |         |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                              |     |         |
| 3027.00 |      |      |     |  |     | 0219    |
|         |      |      |     | 55 Sh/Clst: gy red to red brn                      |     | 0219-2L |
|         |      |      |     | 30 Sltst : y gy, calc                              |     | 0219-5L |
|         |      |      |     | 5 S/Sst : w, gy red, lt gy, cem                    |     | 0219-1L |
|         |      |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk<br>y brn  |     | 0219-3L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy                    |     | 0219-4L |
| 3033.00 |      |      |     |  |     | 0220    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0220-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0220-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0220-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy                   |     | 0220-4L |
|         |      |      |     | tr Sltst : y gy, calc                              |     | 0220-5L |
| 3039.00 |      |      |     |  |     | 0221    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0221-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0221-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0221-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy                   |     | 0221-4L |
|         |      |      |     | tr Sltst : y gy, calc                              |     | 0221-5L |
| 3045.00 |      |      |     |  |     | 0222    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0222-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0222-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0222-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy                   |     | 0222-4L |
|         |      |      |     | tr Coal : blk                                      |     | 0222-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                              |     |         |
| 3051.00 |      |      |     |  |     | 0223    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0223-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0223-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0223-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy                   |     | 0223-4L |
|         |      |      |     | tr Coal : blk                                      |     | 0223-5L |
| 3057.00 |      |      |     |  |     | 0224    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0224-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0224-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0224-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy                   |     | 0224-4L |
|         |      |      |     | tr Coal : blk                                      |     | 0224-5L |
| 3063.00 |      |      |     |  |     | 0225    |
|         |      |      |     | 60 Sh/Clst: gy red to red brn                      |     | 0225-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0225-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0225-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy                   |     | 0225-4L |
|         |      |      |     | 10 Sltst : y gy, calc                              |     | 0225-6L |
|         |      |      |     | tr Coal : blk                                      |     | 0225-5L |
| 3069.00 |      |      |     |  |     | 0226    |
|         |      |      |     | 55 Sh/Clst: gy red to red brn                      |     | 0226-2L |
|         |      |      |     | 20 S/Sst : w, gy red, lt gy, cem                   |     | 0226-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0226-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0226-4L |
|         |      |      |     | 5 Sltst : y gy, calc                               |     | 0226-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                             |     |         |
| 3075.00 |      |      |     |   |     | 0227    |
|         |      |      |     | 65 Sh/Clst: gy red to red brn                     |     | 0227-2L |
|         |      |      |     | 20 S/Sst : w, gy red, lt gy, cem                  |     | 0227-1L |
|         |      |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0227-3L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0227-4L |
|         |      |      |     | 5 Sltst : y gy, calc                              |     | 0227-5L |
| 3081.00 |      |      |     |   |     | 0228    |
|         |      |      |     | 65 Sh/Clst: gy red to red brn                     |     | 0228-2L |
|         |      |      |     | 20 S/Sst : w, gy red, lt gy, cem                  |     | 0228-1L |
|         |      |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0228-3L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0228-4L |
|         |      |      |     | 5 Sltst : y gy, calc                              |     | 0228-5L |
| 3087.00 |      |      |     |   |     | 0229    |
|         |      |      |     | 75 Sh/Clst: gy red to red brn                     |     | 0229-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                  |     | 0229-1L |
|         |      |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0229-3L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0229-4L |
|         |      |      |     | 5 Sltst : y gy, calc                              |     | 0229-5L |
| 3093.00 |      |      |     |   |     | 0230    |
|         |      |      |     | 75 Sh/Clst: gy red to red brn                     |     | 0230-2L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                  |     | 0230-1L |
|         |      |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0230-3L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0230-4L |
|         |      |      |     | 5 Sltst : y gy, calc                              |     | 0230-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp | Frm   | Age | Trb | Sample  |  |
|---------|------|-----|---|-----|-----|---------|--|
| Int Cvd | TOC% | %   | Lithology description                           |     |     |         |  |
| 3099.00 |      |     |   |     |     | 0231    |  |
|         | 0.28 | 55  | Sh/Clst: gy red to red brn                      |     |     | 0231-2L |  |
|         |      | 15  | Sltst : y gy, calc                              |     |     | 0231-5L |  |
|         |      | 10  | S/Sst : w, gy red, lt gy, cem                   |     |     | 0231-1L |  |
|         |      | 10  | Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     |     | 0231-3L |  |
|         |      | 10  | Sh/Clst: gn gy, lt gy to m gy to drk gy         |     |     | 0231-4L |  |
| 3105.00 |      |     |   |     |     | 0232    |  |
|         |      | 60  | Sh/Clst: gy red to red brn                      |     |     | 0232-2L |  |
|         |      | 10  | S/Sst : w, gy red, lt gy, cem                   |     |     | 0232-1L |  |
|         |      | 10  | Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     |     | 0232-3L |  |
|         |      | 10  | Sh/Clst: gn gy, lt gy to m gy to drk gy         |     |     | 0232-4L |  |
|         |      | 10  | Sltst : y gy, calc                              |     |     | 0232-5L |  |
| 3111.00 |      |     |   |     |     | 0233    |  |
|         |      | 60  | Sh/Clst: gy red to red brn                      |     |     | 0233-2L |  |
|         |      | 10  | S/Sst : w, gy red, lt gy, cem                   |     |     | 0233-1L |  |
|         |      | 10  | Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     |     | 0233-3L |  |
|         |      | 10  | Sh/Clst: gn gy, lt gy to m gy to drk gy         |     |     | 0233-4L |  |
|         |      | 10  | Sltst : y gy, calc                              |     |     | 0233-5L |  |
| 3117.00 |      |     |   |     |     | 0234    |  |
|         |      | 70  | Sh/Clst: gy red to red brn                      |     |     | 0234-2L |  |
|         |      | 10  | Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     |     | 0234-3L |  |
|         |      | 10  | Sh/Clst: gn gy, lt gy to m gy to drk gy         |     |     | 0234-4L |  |
|         |      | 5   | S/Sst : w, gy red, lt gy, cem                   |     |     | 0234-1L |  |
|         |      | 5   | Sltst : y gy, calc                              |     |     | 0234-5L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                              |     |         |
| 3123.00 |      |      |     |  |     | 0235    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0235-2L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0235-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0235-4L |
|         |      |      |     | 5 S/Sst : w, gy red, lt gy, cem                    |     | 0235-1L |
|         |      |      |     | 5 Sltst : y gy, calc                               |     | 0235-5L |
| 3129.00 |      |      |     |  |     | 0236    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0236-2L |
|         |      |      |     | 15 S/Sst : w, gy red, lt gy, cem                   |     | 0236-1L |
|         |      |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk<br>y brn  |     | 0236-3L |
|         |      |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy          |     | 0236-4L |
|         |      |      |     | 5 Sltst : y gy, calc                               |     | 0236-5L |
| 3141.00 |      |      |     |  |     | 0237    |
|         |      |      |     | 40 Sh/Clst: gy red to red brn                      |     | 0237-2L |
|         |      |      |     | 20 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0237-3L |
|         |      |      |     | 20 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0237-4L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0237-1L |
|         |      |      |     | 10 Sltst : y gy, calc                              |     | 0237-5L |
| 3153.00 |      |      |     |  |     | 0238    |
|         |      |      |     | 40 Sh/Clst: gy red to red brn                      |     | 0238-2L |
|         |      |      |     | 30 Coal : blk                                      |     | 0238-6L |
|         |      |      |     | 10 S/Sst : w, gy red, lt gy, cem                   |     | 0238-1L |
|         |      |      |     | 10 Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0238-3L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0238-4L |
|         |      |      |     | tr Sltst : y gy, calc                              |     | 0238-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type  | Grp  | Frm | Age  | Trb | Sample  |
|---------|-------|------|-----|--|-----|---------|
| Int     | Cvd   | TOC% | %   | Lithology description                      |     |         |
| 3165.00 |       |      |     |  |     | 0239    |
|         |       |      |     | 80 Sh/Clst: gy red to red brn              |     | 0239-2L |
|         |       |      |     | 10 S/Sst : w, gy red, lt gy, cem           |     | 0239-1L |
|         |       |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk   |     | 0239-3L |
|         |       |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy  |     | 0239-4L |
| 3177.00 |       |      |     |  |     | 0240    |
|         |       |      |     | 75 Sh/Clst: gy red to red brn              |     | 0240-2L |
|         |       |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy |     | 0240-5L |
|         |       |      |     | 5 S/Sst : w, gy red, lt gy, cem            |     | 0240-1L |
|         |       |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk   |     | 0240-3L |
|         |       |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy  |     | 0240-4L |
| 3189.00 |       |      |     |  |     | 0241    |
|         |       |      |     | 75 Sh/Clst: gy red to red brn              |     | 0241-2L |
|         |       |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy |     | 0241-4L |
|         |       |      |     | 5 S/Sst : w, gy red, lt gy, cem            |     | 0241-1L |
|         |       |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk   |     | 0241-3L |
|         |       |      |     | 5 Coal : blk                               |     | 0241-5L |
| 3201.00 |       |      |     |  |     | 0242    |
|         |       |      |     | 75 Sh/Clst: gy red to red brn              |     | 0242-2L |
|         | 13.75 |      |     | 10 Coal : blk                              |     | 0242-5L |
|         |       |      |     | 5 S/Sst : w, gy red, lt gy, cem            |     | 0242-1L |
|         |       |      |     | 5 Ca : lt gy to m gy to drk y brn to dsk   |     | 0242-3L |
|         |       |      |     | 5 Sh/Clst: gn gy, lt gy to m gy to drk gy  |     | 0242-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                              |     |         |
| 3210.00 |      |      |     |  |     | 0243    |
|         |      |      |     | 70 Sh/Clst: gy red to red brn                      |     | 0243-2L |
|         |      |      |     | 30 S/Sst : v col                                   |     | 0243-1L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0243-3L |
|         |      |      |     | tr Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0243-4L |
| 3222.00 |      |      |     |  |     | 0244    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                      |     | 0244-2L |
|         |      |      |     | 10 S/Sst : v col                                   |     | 0244-1L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0244-4L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0244-3L |
| 3231.00 |      |      |     |  |     | 0245    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                      |     | 0245-2L |
|         |      |      |     | 10 S/Sst : v col                                   |     | 0245-1L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0245-4L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0245-3L |
|         |      |      |     | tr Cont : Coal-ad                                  |     | 0245-5L |
| 3243.00 |      |      |     |  |     | 0246    |
|         |      |      |     | 80 Sh/Clst: gy red to red brn                      |     | 0246-2L |
|         |      |      |     | 10 S/Sst : v col                                   |     | 0246-1L |
|         |      |      |     | 10 Sh/Clst: gn gy, lt gy to m gy to drk gy         |     | 0246-4L |
|         |      |      |     | tr Ca : lt gy to m gy to drk y brn to dsk<br>y brn |     | 0246-3L |
|         |      |      |     | tr Cont : Coal-ad                                  |     | 0246-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp | Frm                   | Age      | Trb   | Sample  |  |
|---------|------|-----|-----------------------|----------|---|---------|--|
| Int Cvd | TOC% | %   | Lithology description |          |   |         |  |
| 3255.00 |      |     |                       |          |   | 0247    |  |
|         |      |     | 70                    | Sh/Clst: | gy red to red brn                                       | 0247-2L |  |
|         |      |     | 20                    | Sh/Clst: | gn gy, lt gy to m gy to drk gy                          | 0247-3L |  |
|         |      |     | 10                    | S/Sst    | : v col   | 0247-1L |  |
|         |      |     | tr                    | Cont     | : Coal-ad   | 0247-4L |  |
| 3267.00 |      |     |                       |          |   | 0248    |  |
|         |      |     | 50                    | Sh/Clst: | gy red to red brn                                       | 0248-2L |  |
|         |      |     | 40                    | Sh/Clst: | lt gy to m gy, calc                                     | 0248-3L |  |
|         |      |     | 10                    | S/Sst    | : v col   | 0248-1L |  |
| 3288.00 |      |     |                       |          |   | 0249    |  |
|         |      |     | 60                    | Sh/Clst: | lt gy to m gy, calc                                     | 0249-3L |  |
|         |      |     | 30                    | Sh/Clst: | gy red to red brn                                       | 0249-2L |  |
|         |      |     | 10                    | S/Sst    | : v col   | 0249-1L |  |
| 3300.00 |      |     |                       |          |   | 0250    |  |
|         | 2.12 |     | 60                    | Sh/Clst: | blk to lt gy to m gy to drk gy                          | 0250-3L |  |
|         |      |     | 30                    | Sh/Clst: | gy red to red brn                                       | 0250-2L |  |
|         |      |     | 10                    | S/Sst    | : v col   | 0250-1L |  |
| 3312.00 |      |     |                       |          |   | 0251    |  |
|         | 1.57 |     | 80                    | Sh/Clst: | blk to lt gy to m gy to drk gy                          | 0251-3L |  |
|         |      |     | 10                    | S/Sst    | : v col   | 0251-1L |  |
|         |      |     | 10                    | Sh/Clst: | gy red to red brn                                       | 0251-2L |  |
| 3324.00 |      |     |                       |          |   | 0252    |  |
|         | 1.36 |     | 60                    | Sh/Clst: | blk to lt gy to m gy to drk gy,<br>drk y brn, dsk y brn | 0252-3L |  |
|         |      |     | 30                    | Sh/Clst: | gy red to red brn                                       | 0252-2L |  |
|         |      |     | 10                    | S/Sst    | : v col   | 0252-1L |  |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm      | Age   | Trb | Sample  |
|---------|------|------|----------|---|-----|---------|
| Int     | Cvd  | TOC% | %        | Lithology description   |     |         |
| 3336.00 |      |      |          |   |     | 0253    |
|         | 1.79 | 60   | Sh/Clst: | blk to lt gy to m gy to drk gy,<br>drk y brn, dsk y brn, calc |     | 0253-3L |
|         |      | 20   | S/Sst    | : v col   |     | 0253-1L |
|         |      | 20   | Sh/Clst: | gy red to red brn   |     | 0253-2L |
| 3348.00 |      |      |          |   |     | 0254    |
|         | 0.49 | 70   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn, calc        |     | 0254-3L |
|         |      | 20   | Sh/Clst: | gy red to red brn   |     | 0254-2L |
|         |      | 10   | S/Sst    | : v col   |     | 0254-1L |
| 3360.00 |      |      |          |   |     | 0255    |
|         | 0.54 | 80   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn, calc        |     | 0255-3L |
|         |      | 10   | S/Sst    | : v col   |     | 0255-1L |
|         |      | 10   | Sh/Clst: | gy red to red brn   |     | 0255-2L |
| 3372.00 |      |      |          |   |     | 0256    |
|         | 0.58 | 90   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn, calc        |     | 0256-3L |
|         |      | 5    | S/Sst    | : v col   |     | 0256-1L |
|         |      | 5    | Sh/Clst: | gy red to red brn   |     | 0256-2L |
| 3384.00 |      |      |          |   |     | 0257    |
|         | 0.34 | 80   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn, calc        |     | 0257-3L |
|         |      | 15   | Sh/Clst: | gy red to red brn   |     | 0257-2L |
|         |      | 5    | S/Sst    | : v col   |     | 0257-1L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm      | Age  | Trb | Sample  |
|---------|------|------|----------|--|-----|---------|
| Int     | Cvd  | TOC% | %        | Lithology description                                  |     |         |
| 3396.00 |      |      |          |  |     | 0258    |
|         | 4.43 | 45   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn, calc |     | 0258-3L |
|         |      | 40   | Sh/Clst: | gy red to red brn                                      |     | 0258-2L |
|         | 2.71 | 10   | Sh/Clst: | gy blk, mic  |     | 0258-4L |
|         |      | 5    | S/Sst :  | v col  |     | 0258-1L |
| 3408.00 |      |      |          |  |     | 0259    |
|         | 0.93 | 70   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn, calc |     | 0259-3L |
|         |      | 20   | Sh/Clst: | gy red to red brn                                      |     | 0259-2L |
|         |      | 5    | S/Sst :  | v col  |     | 0259-1L |
|         |      | 5    | Sh/Clst: | gy blk, mic  |     | 0259-4L |
| 3420.00 |      |      |          |  |     | 0260    |
|         | 0.63 | 55   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn       |     | 0260-3L |
|         | 5.15 | 30   | Coal :   | blk to brn blk   |     | 0260-4L |
|         |      | 10   | Sh/Clst: | gy red to red brn                                      |     | 0260-2L |
|         |      | 5    | S/Sst :  | v col  |     | 0260-1L |
| 3432.00 |      |      |          |  |     | 0261    |
|         | 0.92 | 60   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn       |     | 0261-2L |
|         |      | 20   | Sh/Clst: | gy red to red brn                                      |     | 0261-1L |
|         | 4.87 | 10   | Coal :   | blk to brn blk   |     | 0261-3L |
|         | 2.06 | 10   | Sh/Clst: | gy blk, mic  |     | 0261-4L |
| 3444.00 |      |      |          |  |     | 0262    |
|         |      | 60   | Other :  | v col, evap  |     | 0262-5L |
|         |      | 20   | Sh/Clst: | gy red to red brn                                      |     | 0262-1L |
|         |      | 10   | Sh/Clst: | lt gy to m gy to drk gy, drk y<br>brn, dsk y brn       |     | 0262-2L |
|         |      | 10   | Sh/Clst: | gy blk, mic  |     | 0262-4L |
|         |      | tr   | Coal :   | blk to brn blk   |     | 0262-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                                     |     |         |
| 3456.00 |      |      |     |   |     | 0263    |
|         |      |      | 85  | Other : v col, evap                                       |     | 0263-4L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, mic                                      |     | 0263-3L |
|         | cvd  |      | 5   | Sh/Clst: lt gy to m gy to drk gy, drk y<br>brn, dsk y brn |     | 0263-2L |
|         | cvd  |      | tr  | Sh/Clst: gy red to red brn                                |     | 0263-1L |
| 3468.00 |      |      |     |   |     | 0264    |
|         |      |      | 80  | Other : v col, evap                                       |     | 0264-4L |
|         | cvd  |      | 10  | Sh/Clst: lt gy to m gy to drk gy, drk y<br>brn, dsk y brn |     | 0264-2L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, mic                                      |     | 0264-3L |
|         | cvd  |      | tr  | Sh/Clst: gy red to red brn                                |     | 0264-1L |
| 3489.00 |      |      |     |   |     | 0265    |
|         |      |      | 40  | Other : v col, evap                                       |     | 0265-4L |
|         | cvd  |      | 20  | Sh/Clst: lt gy to m gy to drk gy, drk y<br>brn, dsk y brn |     | 0265-2L |
|         | cvd  |      | 20  | Sh/Clst: gy blk, mic                                      |     | 0265-3L |
|         | cvd  |      | 20  | Cont : blk to brn blk, Coal-ad                            |     | 0265-5L |
|         | cvd  |      | tr  | Sh/Clst: gy red to red brn                                |     | 0265-1L |
| 3498.00 |      |      |     |   |     | 0266    |
|         |      |      | 40  | Other : v col, evap                                       |     | 0266-4L |
|         | cvd  |      | 20  | Sh/Clst: lt gy to m gy to drk gy, drk y<br>brn, dsk y brn |     | 0266-2L |
|         | cvd  |      | 20  | Sh/Clst: gy blk, mic                                      |     | 0266-3L |
|         | cvd  |      | 20  | Cont : blk to brn blk, Coal-ad                            |     | 0266-5L |
|         | cvd  |      | tr  | Sh/Clst: gy red to red brn                                |     | 0266-1L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |         |
| 3510.00 |      |      |     |  |     | 0267    |
|         | cvd  |      | 55  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0267-2L |
|         | cvd  |      | 35  | Sh/Clst: gy red to red brn                                   |     | 0267-1L |
|         |      |      | 10  | Cont : blk, Coal-ad  |     | 0267-3L |
| 3525.00 |      |      |     |  |     | 0268    |
|         | cvd  |      | 55  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0268-2L |
|         | cvd  |      | 35  | Sh/Clst: gy red to red brn                                   |     | 0268-1L |
|         |      |      | 10  | Cont : blk, Coal-ad  |     | 0268-3L |
| 3537.00 |      |      |     |  |     | 0269    |
|         | cvd  |      | 75  | Sltst : y gy, lt gy  |     | 0269-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                   |     | 0269-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0269-2L |
|         |      |      | 5   | Cont : blk, Coal-ad  |     | 0269-3L |
| 3549.00 |      |      |     |  |     | 0270    |
|         | cvd  |      | 75  | Sltst : y gy, lt gy  |     | 0270-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                   |     | 0270-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0270-2L |
|         |      |      | 5   | Cont : blk, Coal-ad  |     | 0270-3L |
| 3561.00 |      |      |     |  |     | 0271    |
|         | cvd  |      | 40  | Sltst : y gy, lt gy  |     | 0271-4L |
|         |      |      | 40  | Other : v col, evap  |     | 0271-5L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                   |     | 0271-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0271-2L |
|         |      |      | tr  | Cont : blk, Coal-ad  |     | 0271-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |         |
| 3573.00 |      |      |     |  |     | 0272    |
|         | cvd  |      | 30  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0272-2L |
|         | cvd  |      | 30  | Sltst : y gy, lt gy  |     | 0272-4L |
|         | cvd  |      | 20  | Sh/Clst: gy red to red brn                                   |     | 0272-1L |
|         |      |      | 10  | Other : v col, evap  |     | 0272-5L |
|         |      |      | 10  | Cont : prp, bar, tar-ad                                      |     | 0272-6L |
|         |      |      | tr  | Cont : blk, Coal-ad  |     | 0272-3L |
| 3585.00 |      |      |     |  |     | 0273    |
|         | cvd  |      | 50  | Sltst : y gy, lt gy  |     | 0273-4L |
|         | cvd  |      | 25  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0273-2L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                   |     | 0273-1L |
|         |      |      | 5   | Other : v col, evap  |     | 0273-5L |
|         |      |      | 5   | Cont : prp, bar, tar-ad                                      |     | 0273-6L |
|         |      |      | tr  | Cont : blk, Coal-ad  |     | 0273-3L |
| 3597.00 |      |      |     |  |     | 0274    |
|         | cvd  |      | 60  | Sltst : y gy, lt gy  |     | 0274-3L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                   |     | 0274-1L |
|         | cvd  |      | 15  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0274-2L |
|         |      |      | 5   | Other : v col, evap  |     | 0274-4L |
|         |      |      | 5   | Cont : prp, bar, tar-ad                                      |     | 0274-5L |
| 3609.00 |      |      |     |  |     | 0275    |
|         | cvd  |      | 60  | Sltst : y gy, lt gy  |     | 0275-3L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                   |     | 0275-1L |
|         | cvd  |      | 15  | Sh/Clst: gy blk, lt gy to m gy, drk gy, drk y brn, dsk y brn |     | 0275-2L |
|         |      |      | 5   | Other : v col, evap  |     | 0275-4L |
|         |      |      | 5   | Cont : prp, bar, tar-ad                                      |     | 0275-5L |
|         |      |      | tr  | Cont : blk, Coal-ad  |     | 0275-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description   |     |         |
| 3621.00 |      |      |     |   |     | 0276    |
|         | cvd  |      | 60  | Sltst : y gy, lt gy   |     | 0276-3L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                      |     | 0276-1L |
|         | cvd  |      | 15  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0276-2L |
|         |      |      | 5   | Other : v col, evap   |     | 0276-4L |
|         |      |      | 5   | Cont : prp, bar, tar-ad   |     | 0276-5L |
|         |      |      | tr  | Cont : blk, Coal-ad   |     | 0276-6L |
| 3633.00 |      |      |     |   |     | 0277    |
|         | cvd  |      | 45  | Sltst : y gy, lt gy   |     | 0277-3L |
|         | cvd  |      | 30  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0277-2L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                      |     | 0277-1L |
|         |      |      | 5   | Other : v col, evap   |     | 0277-4L |
|         |      |      | 5   | Cont : prp, bar, tar-ad   |     | 0277-5L |
|         |      |      | tr  | Cont : blk, Coal-ad   |     | 0277-6L |
| 3648.00 |      |      |     |   |     | 0278    |
|         | cvd  |      | 45  | Sltst : y gy, lt gy   |     | 0278-3L |
|         | cvd  |      | 30  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0278-2L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                      |     | 0278-1L |
|         |      |      | 5   | Other : v col, evap   |     | 0278-4L |
|         |      |      | 5   | Cont : prp, bar, tar-ad   |     | 0278-5L |
|         |      |      | tr  | Cont : blk, Coal-ad   |     | 0278-6L |
| 3660.00 |      |      |     |   |     | 0279    |
|         | cvd  |      | 45  | Sltst : y gy, lt gy   |     | 0279-3L |
|         | cvd  |      | 30  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0279-2L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                      |     | 0279-1L |
|         |      |      | 5   | Other : v col, evap   |     | 0279-4L |
|         |      |      | 5   | Cont : prp, bar, tar-ad   |     | 0279-5L |
|         |      |      | tr  | Cont : blk, Coal-ad   |     | 0279-6L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description   |     |         |
| 3672.00 |      |      |     |   |     | 0280    |
|         | cvd  |      | 45  | Sltst : y gy, lt gy   |     | 0280-3L |
|         | cvd  |      | 30  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0280-2L |
|         | cvd  |      | 15  | Sh/Clst: gy red to red brn                                      |     | 0280-1L |
|         |      |      | 5   | Other : v col, evap   |     | 0280-4L |
|         |      |      | 5   | Cont : prp, bar, tar-ad   |     | 0280-5L |
|         |      |      | tr  | Cont : blk, Coal-ad   |     | 0280-6L |
| 3684.00 |      |      |     |   |     | 0281    |
|         | cvd  |      | 80  | Cont : tar-ad   |     | 0281-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0281-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0281-2L |
|         |      |      | tr  | Other : v col, evap   |     | 0281-3L |
| 3696.00 |      |      |     |   |     | 0282    |
|         | cvd  |      | 80  | Cont : tar-ad   |     | 0282-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0282-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0282-2L |
|         |      |      | tr  | Other : v col, evap   |     | 0282-3L |
| 3708.00 |      |      |     |   |     | 0283    |
|         | cvd  |      | 70  | Cont : tar-ad   |     | 0283-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0283-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0283-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0283-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description   |     |         |
| 3720.00 |      |      |     |   |     | 0284    |
|         |      |      | 70  | Cont : tar-ad   |     | 0284-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0284-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0284-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0284-3L |
| 3732.00 |      |      |     |   |     | 0285    |
|         |      |      | 70  | Cont : tar-ad   |     | 0285-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0285-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0285-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0285-3L |
| 3744.00 |      |      |     |   |     | 0286    |
|         |      |      | 70  | Cont : tar-ad   |     | 0286-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0286-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0286-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0286-3L |
| 3756.00 |      |      |     |   |     | 0287    |
|         |      |      | 70  | Cont : tar-ad   |     | 0287-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0287-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0287-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0287-3L |
| 3768.00 |      |      |     |   |     | 0288    |
|         |      |      | 70  | Cont : tar-ad   |     | 0288-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0288-1L |
|         | cvd  |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0288-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0288-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description   |     |         |
| 3780.00 |      |      |     |   |     | 0289    |
|         | cvd  |      | 70  | Cont : tar-ad   |     | 0289-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0289-1L |
|         |      |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0289-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0289-3L |
| 3798.00 |      |      |     |   |     | 0290    |
|         | cvd  |      | 70  | Cont : tar-ad   |     | 0290-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0290-1L |
|         |      |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0290-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0290-3L |
| 3810.00 |      |      |     |   |     | 0291    |
|         | cvd  |      | 70  | Cont : tar-ad   |     | 0291-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0291-1L |
|         |      |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0291-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0291-3L |
| 3822.00 |      |      |     |   |     | 0292    |
|         | cvd  |      | 70  | Cont : tar-ad   |     | 0292-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0292-1L |
|         |      |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0292-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0292-3L |
| 3834.00 |      |      |     |   |     | 0293    |
|         | cvd  |      | 70  | Cont : tar-ad   |     | 0293-4L |
|         | cvd  |      | 10  | Sh/Clst: gy red to red brn                                      |     | 0293-1L |
|         |      |      | 10  | Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0293-2L |
|         |      |      | 10  | Other : v col, evap   |     | 0293-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |         |
| 3846.00 |      |      |     |  |     | 0294    |
|         |      |      |     | 40 Sh/Clst: red brn, calc, slt                                     |     | 0294-1L |
|         |      |      |     | 40 Cont : tar-ad   |     | 0294-3L |
|         | cvd  |      |     | 20 Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn |     | 0294-2L |
| 3858.00 |      |      |     |  |     | 0295    |
|         |      |      |     | 80 Cont : tar-ad   |     | 0295-3L |
|         |      |      |     | 10 Sh/Clst: red brn, calc, slt                                     |     | 0295-1L |
|         | cvd  |      |     | 5 Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn  |     | 0295-2L |
|         |      |      |     | 5 Other : v col, evap  |     | 0295-4L |
| 3870.00 |      |      |     |  |     | 0296    |
|         |      |      |     | 80 Cont : tar-ad   |     | 0296-3L |
|         |      |      |     | 10 Sh/Clst: red brn, calc, slt                                     |     | 0296-1L |
|         | cvd  |      |     | 5 Sh/Clst: gy blk, lt gy to m gy, drk gy,<br>drk y brn, dsk y brn  |     | 0296-2L |
|         |      |      |     | 5 Other : v col, evap  |     | 0296-4L |
| 3888.00 |      |      |     |  |     | 0297    |
|         |      |      |     | 50 Sh/Clst: red brn, calc, slt                                     |     | 0297-1L |
|         | 0.80 |      |     | 30 Sh/Clst: m gy   |     | 0297-2L |
|         |      |      |     | 10 Cont : blk, Coal-ad   |     | 0297-3L |
|         |      |      |     | 10 Ca : lt gy to m gy, drk y brn                                   |     | 0297-4L |
| 3900.00 |      |      |     |  |     | 0298    |
|         |      |      |     | 40 Cont : tar-ad   |     | 0298-5L |
|         |      |      |     | 20 Sh/Clst: red brn, calc, slt                                     |     | 0298-1L |
|         |      |      |     | 20 Sh/Clst: m gy   |     | 0298-2L |
|         |      |      |     | 20 Cont : blk, Coal-ad   |     | 0298-3L |
|         |      |      |     | tr Ca : lt gy to m gy, drk y brn                                   |     | 0298-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                              | Trb | Sample  |
|---------|------|------|-----|----------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description            |     |         |
| 3912.00 |      |      |     |                                  |     | 0299    |
|         | 0.88 |      |     | 40 Cont : tar-ad                 |     | 0299-5L |
|         |      |      |     | 20 Sh/Clst: red brn, calc, slt   |     | 0299-1L |
|         |      |      |     | 20 Sh/Clst: m gy                 |     | 0299-2L |
|         |      |      |     | 20 Cont : blk, Coal-ad           |     | 0299-3L |
|         |      |      |     | tr Ca : lt gy to m gy, drk y brn |     | 0299-4L |
| 3924.00 |      |      |     |                                  |     | 0300    |
|         |      |      |     | 40 Cont : tar-ad                 |     | 0300-5L |
|         |      |      |     | 20 Sh/Clst: red brn, calc, slt   |     | 0300-1L |
|         |      |      |     | 20 Sh/Clst: m gy                 |     | 0300-2L |
|         |      |      |     | 20 Cont : blk, Coal-ad           |     | 0300-3L |
|         |      |      |     | tr Ca : lt gy to m gy, drk y brn |     | 0300-4L |
| 3936.00 |      |      |     |                                  |     | 0301    |
|         |      |      |     | 70 Cont : tar-ad                 |     | 0301-5L |
|         |      |      |     | 10 Sh/Clst: red brn, calc, slt   |     | 0301-1L |
|         |      |      |     | 10 Sh/Clst: m gy                 |     | 0301-2L |
|         |      |      |     | 10 Cont : blk, Coal-ad           |     | 0301-3L |
|         |      |      |     | tr Ca : lt gy to m gy, drk y brn |     | 0301-4L |
| 3951.00 |      |      |     |                                  |     | 0302    |
|         |      |      |     | 40 Sh/Clst: red brn, calc, slt   |     | 0302-1L |
|         |      |      |     | 40 Cont : tar-ad                 |     | 0302-5L |
|         |      |      |     | 10 Sh/Clst: m gy                 |     | 0302-2L |
|         |      |      |     | 10 Cont : blk, Coal-ad           |     | 0302-3L |
|         |      |      |     | tr Ca : lt gy to m gy, drk y brn |     | 0302-4L |
| 3963.00 |      |      |     |                                  |     | 0303    |
|         |      |      |     | 40 Cont : tar-ad                 |     | 0303-4L |
|         |      |      |     | 30 Sh/Clst: red brn, calc, slt   |     | 0303-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad           |     | 0303-3L |
|         |      |      |     | tr Sh/Clst: m gy                 |     | 0303-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                               | Trb | Sample  |
|---------|------|------|-----|-----------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description             |     |         |
| 3975.00 |      |      |     |                                   |     | 0304    |
|         | 0.69 |      |     | 30 Sh/Clst: red brn, calc, slt    |     | 0304-1L |
|         |      |      |     | 20 Sh/Clst: m gy                  |     | 0304-2L |
|         |      |      |     | 20 Cont : blk, Coal-ad            |     | 0304-3L |
|         |      |      |     | 20 Cont : tar-ad                  |     | 0304-4L |
|         |      |      |     | 10 S/Sst : gy red to red brn      |     | 0304-5L |
| 3987.00 |      |      |     |                                   |     | 0305    |
|         |      |      |     | 30 Sh/Clst: red brn, calc, slt    |     | 0305-1L |
|         |      |      |     | 20 Sh/Clst: m gy                  |     | 0305-2L |
|         |      |      |     | 20 Cont : blk, Coal-ad            |     | 0305-3L |
|         |      |      |     | 20 Cont : tar-ad                  |     | 0305-4L |
|         |      |      |     | 10 S/Sst : gy red to red brn      |     | 0305-5L |
| 3999.00 |      |      |     |                                   |     | 0306    |
|         |      |      |     | 40 Sh/Clst: red brn to lt gy, slt |     | 0306-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0306-3L |
|         |      |      |     | 10 Sh/Clst: m gy                  |     | 0306-2L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0306-4L |
|         |      |      |     | 10 S/Sst : gy red to red brn      |     | 0306-5L |
| 4011.00 |      |      |     |                                   |     | 0307    |
|         |      |      |     | 50 Cont : blk, Coal-ad            |     | 0307-3L |
|         |      |      |     | 30 Sh/Clst: red brn to lt gy, slt |     | 0307-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0307-4L |
|         |      |      |     | 5 Sh/Clst: m gy                   |     | 0307-2L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0307-5L |
| 4023.00 |      |      |     |                                   |     | 0308    |
|         |      |      |     | 50 Cont : blk, Coal-ad            |     | 0308-3L |
|         |      |      |     | 30 Sh/Clst: red brn to lt gy, slt |     | 0308-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0308-4L |
|         |      |      |     | 5 Sh/Clst: m gy                   |     | 0308-2L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0308-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                               | Trb | Sample  |
|---------|------|------|-----|-----------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description             |     |         |
| 4035.00 |      |      |     |                                   |     | 0309    |
|         |      |      |     | 50 Cont : blk, Coal-ad            |     | 0309-3L |
|         |      |      |     | 30 Sh/Clst: red brn to lt gy, slt |     | 0309-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0309-4L |
|         |      |      |     | 5 Sh/Clst: m gy                   |     | 0309-2L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0309-5L |
| 4047.00 |      |      |     |                                   |     | 0310    |
|         | 0.46 |      |     | 70 Sh/Clst: red brn to lt gy, slt |     | 0310-1L |
|         |      |      |     | 10 Cont : blk, Coal-ad            |     | 0310-3L |
|         |      |      |     | 10 S/Sst : gy red to red brn      |     | 0310-5L |
|         |      |      |     | 5 Sh/Clst: m gy                   |     | 0310-2L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0310-4L |
| 4059.00 |      |      |     |                                   |     | 0311    |
|         |      |      |     | 55 Sh/Clst: red brn to lt gy, slt |     | 0311-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0311-3L |
|         |      |      |     | 10 S/Sst : gy red to red brn      |     | 0311-5L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0311-4L |
|         |      |      |     | tr Sh/Clst: m gy                  |     | 0311-2L |
| 4071.00 |      |      |     |                                   |     | 0312    |
|         |      |      |     | 50 Cont : blk, Coal-ad            |     | 0312-3L |
|         |      |      |     | 40 Sh/Clst: red brn to lt gy, slt |     | 0312-1L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0312-4L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0312-5L |
|         |      |      |     | tr Sh/Clst: m gy                  |     | 0312-2L |
| 4083.00 |      |      |     |                                   |     | 0313    |
|         |      |      |     | 50 Cont : blk, Coal-ad            |     | 0313-3L |
|         |      |      |     | 40 Sh/Clst: red brn to lt gy, slt |     | 0313-1L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0313-4L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0313-5L |
|         |      |      |     | tr Sh/Clst: m gy                  |     | 0313-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                               | Trb | Sample  |
|---------|------|------|-----|-----------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description             |     |         |
| 4095.00 |      |      |     |                                   |     | 0314    |
|         |      |      |     | 70 Sh/Clst: red brn to lt gy, slt |     | 0314-1L |
|         |      |      |     | 10 Sh/Clst: m gy                  |     | 0314-2L |
|         |      |      |     | 10 Cont : blk, Coal-ad            |     | 0314-3L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0314-4L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0314-5L |
| 4107.00 |      |      |     |                                   |     | 0315    |
|         |      |      |     | 50 Sh/Clst: red brn to lt gy, slt |     | 0315-1L |
|         |      |      |     | 20 Sh/Clst: m gy                  |     | 0315-2L |
|         |      |      |     | 20 Cont : blk, Coal-ad            |     | 0315-3L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0315-4L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0315-5L |
| 4119.00 |      |      |     |                                   |     | 0316    |
|         | 0.82 |      |     | 50 Sh/Clst: red brn to lt gy, slt |     | 0316-1L |
|         |      |      |     | 20 Sh/Clst: m gy                  |     | 0316-2L |
|         |      |      |     | 20 Cont : blk, Coal-ad            |     | 0316-3L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0316-4L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0316-5L |
| 4131.00 |      |      |     |                                   |     | 0317    |
|         |      |      |     | 45 Sh/Clst: red brn to lt gy, slt |     | 0317-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0317-3L |
|         |      |      |     | 15 Sh/Clst: m gy                  |     | 0317-2L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0317-4L |
|         |      |      |     | 5 S/Sst : gy red to red brn       |     | 0317-5L |
| 4143.00 |      |      |     |                                   |     | 0318    |
|         |      |      |     | 40 Sh/Clst: red brn to lt gy, slt |     | 0318-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0318-3L |
|         |      |      |     | 20 Cont : tar-ad                  |     | 0318-4L |
|         |      |      |     | 10 Sh/Clst: m gy                  |     | 0318-2L |
|         |      |      |     | tr S/Sst : gy red to red brn      |     | 0318-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                               | Trb | Sample  |
|---------|------|------|-----|-----------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description             |     |         |
| 4155.00 |      |      |     |                                   |     | 0319    |
|         |      |      |     | 40 Sh/Clst: red brn to lt gy, slt |     | 0319-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0319-3L |
|         |      |      |     | 20 Cont : tar-ad                  |     | 0319-4L |
|         |      |      |     | 10 Sh/Clst: m gy                  |     | 0319-2L |
|         |      |      |     | tr S/Sst : gy red to red brn      |     | 0319-5L |
| 4167.00 |      |      |     |                                   |     | 0320    |
|         |      |      |     | 50 Sh/Clst: red brn to lt gy, slt |     | 0320-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0320-3L |
|         |      |      |     | 10 Sh/Clst: m gy                  |     | 0320-2L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0320-4L |
|         |      |      |     | tr S/Sst : gy red to red brn      |     | 0320-5L |
| 4179.00 |      |      |     |                                   |     | 0321    |
|         |      |      |     | 45 Sh/Clst: red brn to lt gy, slt |     | 0321-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0321-3L |
|         |      |      |     | 15 S/Sst : gy red to red brn      |     | 0321-5L |
|         |      |      |     | 5 Sh/Clst: m gy                   |     | 0321-2L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0321-4L |
| 4191.00 |      |      |     |                                   |     | 0322    |
|         |      |      |     | 45 Sh/Clst: red brn to lt gy, slt |     | 0322-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0322-3L |
|         |      |      |     | 15 S/Sst : gy red to red brn      |     | 0322-5L |
|         |      |      |     | 5 Sh/Clst: m gy                   |     | 0322-2L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0322-4L |
| 4203.00 |      |      |     |                                   |     | 0323    |
|         |      |      |     | 35 Sh/Clst: red brn to lt gy, slt |     | 0323-1L |
|         |      |      |     | 30 Cont : blk, Coal-ad            |     | 0323-3L |
|         |      |      |     | 20 Sh/Clst: m gy                  |     | 0323-2L |
|         |      |      |     | 10 S/Sst : gy red to red brn      |     | 0323-5L |
|         |      |      |     | 5 Cont : tar-ad                   |     | 0323-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp | Frm                   | Age                   | Trb | Sample  |
|---------|------|-----|-----------------------|-----------------------|-----|---------|
| Int Cvd | TOC% | %   | Lithology description |                       |     |         |
| 4215.00 |      |     |                       |                       |     | 0324    |
|         |      | 60  | Sh/Clst:              | red brn to lt gy, slt |     | 0324-1L |
|         |      | 20  | Sh/Clst:              | m gy                  |     | 0324-2L |
|         |      | 10  | Cont                  | : blk, Coal-ad        |     | 0324-3L |
|         |      | 10  | S/Sst                 | : gy red to red brn   |     | 0324-5L |
|         |      | tr  | Cont                  | : tar-ad              |     | 0324-4L |
| 4227.00 |      |     |                       |                       |     | 0325    |
|         |      | 50  | Sh/Clst:              | red brn to lt gy, slt |     | 0325-1L |
|         |      | 20  | Cont                  | : blk, Coal-ad        |     | 0325-3L |
|         |      | 10  | Sh/Clst:              | m gy                  |     | 0325-2L |
|         |      | 10  | Cont                  | : tar-ad              |     | 0325-4L |
|         |      | 10  | S/Sst                 | : gy red to red brn   |     | 0325-5L |
| 4239.00 |      |     |                       |                       |     | 0326    |
|         |      | 50  | Sh/Clst:              | m gy                  |     | 0326-2L |
|         |      | 20  | Sh/Clst:              | red brn to lt gy, slt |     | 0326-1L |
|         |      | 10  | Cont                  | : blk, Coal-ad        |     | 0326-3L |
|         |      | 10  | Cont                  | : tar-ad              |     | 0326-4L |
|         |      | 10  | S/Sst                 | : gy red to red brn   |     | 0326-5L |
| 4251.00 |      |     |                       |                       |     | 0327    |
|         | 0.56 | 70  | Sh/Clst:              | m gy                  |     | 0327-2L |
|         |      | 10  | Sh/Clst:              | red brn to lt gy, slt |     | 0327-1L |
|         |      | 10  | Cont                  | : tar-ad              |     | 0327-4L |
|         |      | 5   | Cont                  | : blk, Coal-ad        |     | 0327-3L |
|         |      | 5   | S/Sst                 | : gy red to red brn   |     | 0327-5L |
| 4263.00 |      |     |                       |                       |     | 0328    |
|         | 1.18 | 70  | Sh/Clst:              | m gy                  |     | 0328-2L |
|         |      | 10  | Sh/Clst:              | red brn to lt gy, slt |     | 0328-1L |
|         |      | 10  | Cont                  | : tar-ad              |     | 0328-4L |
|         |      | 5   | Cont                  | : blk, Coal-ad        |     | 0328-3L |
|         |      | 5   | S/Sst                 | : gy red to red brn   |     | 0328-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                            | Trb | Sample  |
|---------|------|------|-----|--------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description          |     |         |
| 4275.00 |      |      |     |                                |     | 0329    |
|         | 1.02 |      | 60  | Sh/Clst: m gy                  |     | 0329-2L |
|         |      |      | 20  | Cont : tar-ad                  |     | 0329-4L |
|         |      |      | 10  | Sh/Clst: red brn to lt gy, slt |     | 0329-1L |
|         |      |      | 10  | Cont : blk, Coal-ad            |     | 0329-3L |
| 4287.00 |      |      |     |                                |     | 0330    |
|         | 0.98 |      | 65  | Sh/Clst: m gy                  |     | 0330-2L |
|         |      |      | 20  | Cont : tar-ad                  |     | 0330-4L |
|         |      |      | 10  | Cont : blk, Coal-ad            |     | 0330-3L |
|         |      |      | 5   | Sh/Clst: red brn to lt gy, slt |     | 0330-1L |
| 4299.00 |      |      |     |                                |     | 0331    |
|         | 1.19 |      | 40  | Cont : blk, Coal-ad            |     | 0331-3L |
|         |      |      | 35  | Sh/Clst: m gy                  |     | 0331-2L |
|         |      |      | 20  | Cont : tar-ad                  |     | 0331-4L |
|         |      |      | 5   | Sh/Clst: red brn to lt gy, slt |     | 0331-1L |
| 4311.00 |      |      |     |                                |     | 0332    |
|         |      |      | 40  | Cont : blk, Coal-ad            |     | 0332-3L |
|         |      |      | 30  | Sh/Clst: m gy                  |     | 0332-2L |
|         |      |      | 20  | Cont : tar-ad                  |     | 0332-4L |
|         |      |      | 10  | Sh/Clst: red brn to lt gy, slt |     | 0332-1L |
| 4323.00 |      |      |     |                                |     | 0333    |
|         | 1.14 |      | 40  | Sh/Clst: m gy                  |     | 0333-2L |
|         |      |      | 35  | Cont : blk, Coal-ad            |     | 0333-3L |
|         |      |      | 15  | Cont : tar-ad                  |     | 0333-4L |
|         |      |      | 10  | Sh/Clst: red brn to lt gy, slt |     | 0333-1L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                               | Trb | Sample  |
|---------|------|------|-----|-----------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description             |     |         |
| 4335.00 |      |      |     |                                   |     | 0334    |
|         | 0.65 |      |     | 55 Sh/Clst: m gy                  |     | 0334-2L |
|         |      |      |     | 25 Cont : blk, Coal-ad            |     | 0334-3L |
|         |      |      |     | 10 Sh/Clst: red brn to lt gy, slt |     | 0334-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0334-4L |
| 4347.00 |      |      |     |                                   |     | 0335    |
|         |      |      |     | 55 Sh/Clst: m gy                  |     | 0335-2L |
|         |      |      |     | 25 Cont : blk, Coal-ad            |     | 0335-3L |
|         |      |      |     | 10 Sh/Clst: red brn to lt gy, slt |     | 0335-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0335-4L |
| 4359.00 |      |      |     |                                   |     | 0336    |
|         | 0.60 |      |     | 50 Sh/Clst: m gy                  |     | 0336-2L |
|         |      |      |     | 25 Cont : blk, Coal-ad            |     | 0336-3L |
|         |      |      |     | 10 Sh/Clst: red brn to lt gy, slt |     | 0336-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0336-4L |
|         |      |      |     | 5 Cont : fib                      |     | 0336-5L |
| 4368.00 |      |      |     |                                   |     | 0337    |
|         |      |      |     | 50 Sh/Clst: m gy                  |     | 0337-2L |
|         |      |      |     | 25 Cont : blk, Coal-ad            |     | 0337-3L |
|         |      |      |     | 10 Sh/Clst: red brn to lt gy, slt |     | 0337-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0337-4L |
|         |      |      |     | 5 Cont : fib                      |     | 0337-5L |
| 4380.00 |      |      |     |                                   |     | 0338    |
|         | 1.89 |      |     | 50 Sh/Clst: m gy                  |     | 0338-2L |
|         |      |      |     | 25 Cont : blk, Coal-ad            |     | 0338-3L |
|         |      |      |     | 10 Sh/Clst: red brn to lt gy, slt |     | 0338-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0338-4L |
|         |      |      |     | 5 Cont : fib                      |     | 0338-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                            | Trb | Sample  |
|---------|------|------|-----|--------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description          |     |         |
| 4392.00 |      |      |     |                                |     | 0339    |
|         | cvd  |      | 45  | Sh/Clst: red brn to lt gy, slt |     | 0339-1L |
|         | cvd  |      | 35  | Sh/Clst: m gy                  |     | 0339-2L |
|         |      |      | 10  | Cont : blk, Coal-ad            |     | 0339-3L |
|         |      |      | 10  | Cont : evap                    |     | 0339-5L |
|         |      |      | tr  | Cont : tar-ad                  |     | 0339-4L |
| 4404.00 |      |      |     |                                |     | 0340    |
|         | cvd  |      | 45  | Sh/Clst: red brn to lt gy, slt |     | 0340-1L |
|         | cvd  |      | 35  | Sh/Clst: m gy                  |     | 0340-2L |
|         |      |      | 10  | Cont : blk, Coal-ad            |     | 0340-3L |
|         |      |      | 10  | Cont : evap                    |     | 0340-5L |
|         |      |      | tr  | Cont : tar-ad                  |     | 0340-4L |
| 4416.00 |      |      |     |                                |     | 0341    |
|         | cvd  |      | 40  | Sh/Clst: red brn to lt gy, slt |     | 0341-1L |
|         | cvd  |      | 30  | Sh/Clst: m gy                  |     | 0341-2L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0341-3L |
|         |      |      | tr  | Cont : tar-ad                  |     | 0341-4L |
|         |      |      | tr  | Cont : evap                    |     | 0341-5L |
| 4428.00 |      |      |     |                                |     | 0342    |
|         | cvd  |      | 40  | Sh/Clst: red brn to lt gy, slt |     | 0342-1L |
|         | cvd  |      | 30  | Sh/Clst: m gy                  |     | 0342-2L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0342-3L |
|         |      |      | tr  | Cont : tar-ad                  |     | 0342-4L |
|         |      |      | tr  | Cont : evap                    |     | 0342-5L |
| 4440.00 |      |      |     |                                |     | 0343    |
|         | cvd  |      | 40  | Sh/Clst: red brn to lt gy, slt |     | 0343-1L |
|         | cvd  |      | 30  | Sh/Clst: m gy                  |     | 0343-2L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0343-3L |
|         |      |      | tr  | Cont : tar-ad                  |     | 0343-4L |
|         |      |      | tr  | Cont : evap                    |     | 0343-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                            | Trb | Sample  |
|---------|------|------|-----|--------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description          |     |         |
| 4452.00 |      |      |     |                                |     | 0344    |
|         | cvd  |      | 35  | Sh/Clst: red brn to lt gy, slt |     | 0344-1L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0344-3L |
|         | cvd  |      | 25  | Sh/Clst: m gy                  |     | 0344-2L |
|         |      |      | 10  | Cont : tar-ad                  |     | 0344-4L |
|         |      |      | tr  | Cont : evap                    |     | 0344-5L |
| 4464.00 |      |      |     |                                |     | 0345    |
|         | cvd  |      | 35  | Sh/Clst: red brn to lt gy, slt |     | 0345-1L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0345-3L |
|         | cvd  |      | 25  | Sh/Clst: m gy                  |     | 0345-2L |
|         |      |      | 10  | Cont : tar-ad                  |     | 0345-4L |
|         |      |      | tr  | Cont : evap                    |     | 0345-5L |
| 4476.00 |      |      |     |                                |     | 0346    |
|         | cvd  |      | 35  | Sh/Clst: red brn to lt gy, slt |     | 0346-1L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0346-3L |
|         | cvd  |      | 25  | Sh/Clst: m gy                  |     | 0346-2L |
|         |      |      | 10  | Cont : tar-ad                  |     | 0346-4L |
|         |      |      | tr  | Cont : evap                    |     | 0346-5L |
| 4488.00 |      |      |     |                                |     | 0347    |
|         | cvd  |      | 35  | Sh/Clst: red brn to lt gy, slt |     | 0347-1L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0347-3L |
|         | cvd  |      | 25  | Sh/Clst: m gy                  |     | 0347-2L |
|         |      |      | 10  | Cont : tar-ad                  |     | 0347-4L |
|         |      |      | tr  | Cont : evap                    |     | 0347-5L |
| 4500.00 |      |      |     |                                |     | 0348    |
|         | cvd  |      | 35  | Sh/Clst: red brn to lt gy, slt |     | 0348-1L |
|         |      |      | 30  | Cont : blk, Coal-ad            |     | 0348-3L |
|         | cvd  |      | 25  | Sh/Clst: m gy                  |     | 0348-2L |
|         |      |      | 10  | Cont : tar-ad                  |     | 0348-4L |
|         |      |      | tr  | Cont : evap                    |     | 0348-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                               | Trb | Sample  |
|---------|------|------|-----|-----------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description             |     |         |
| 4512.00 |      |      |     |                                   |     | 0349    |
|         | cvd  |      |     | 60 Sh/Clst: m gy                  |     | 0349-2L |
|         | cvd  |      |     | 40 Sh/Clst: red brn to lt gy, slt |     | 0349-1L |
|         |      |      |     | tr Cont : blk, Coal-ad            |     | 0349-3L |
|         |      |      |     | tr Cont : tar-ad                  |     | 0349-4L |
|         |      |      |     | tr Cont : evap                    |     | 0349-5L |
| 4524.00 |      |      |     |                                   |     | 0350    |
|         | cvd  |      |     | 60 Sh/Clst: m gy                  |     | 0350-2L |
|         | cvd  |      |     | 40 Sh/Clst: red brn to lt gy, slt |     | 0350-1L |
|         |      |      |     | tr Cont : blk, Coal-ad            |     | 0350-3L |
|         |      |      |     | tr Cont : tar-ad                  |     | 0350-4L |
|         |      |      |     | tr Cont : evap                    |     | 0350-5L |
| 4536.00 |      |      |     |                                   |     | 0351    |
|         | cvd  |      |     | 70 Sh/Clst: m gy                  |     | 0351-2L |
|         |      |      |     | 30 Sh/Clst: red brn to lt gy, slt |     | 0351-1L |
|         |      |      |     | tr Cont : blk, Coal-ad            |     | 0351-3L |
|         |      |      |     | tr Cont : tar-ad                  |     | 0351-4L |
|         |      |      |     | tr Cont : evap                    |     | 0351-5L |
| 4548.00 |      |      |     |                                   |     | 0352    |
|         | cvd  | 0.87 |     | 70 Sh/Clst: m gy                  |     | 0352-2L |
|         |      |      |     | 30 Sh/Clst: red brn to lt gy, slt |     | 0352-1L |
|         |      |      |     | tr Cont : blk, Coal-ad            |     | 0352-3L |
|         |      |      |     | tr Cont : tar-ad                  |     | 0352-4L |
|         |      |      |     | tr Cont : evap                    |     | 0352-5L |
| 4560.00 |      |      |     |                                   |     | 0353    |
|         |      |      |     | 55 Ca : gy pi                     |     | 0353-5L |
|         |      |      |     | 20 Cont : blk, Coal-ad            |     | 0353-2L |
|         |      |      |     | 10 Sh/Clst: m gy                  |     | 0353-1L |
|         |      |      |     | 10 Cont : tar-ad                  |     | 0353-3L |
|         |      |      |     | 5 Cont : evap                     |     | 0353-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                    | Trb | Sample  |
|---------|------|------|-----|------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description  |     |         |
| 4572.00 |      |      |     |                        |     | 0354    |
|         |      |      |     | 40 Sh/Clst: m gy       |     | 0354-1L |
|         |      |      |     | 35 Ca : gy pi          |     | 0354-5L |
|         |      |      |     | 10 Cont : blk, Coal-ad |     | 0354-2L |
|         |      |      |     | 10 Cont : tar-ad       |     | 0354-3L |
|         |      |      |     | 5 Cont : evap          |     | 0354-4L |
| 4584.00 |      |      |     |                        |     | 0355    |
|         |      |      |     | 40 Cont : blk, Coal-ad |     | 0355-2L |
|         |      |      |     | 40 Cont : tar-ad       |     | 0355-3L |
|         | cvd  |      |     | 10 Sh/Clst: m gy       |     | 0355-1L |
|         | cvd  |      |     | 10 Ca : gy pi          |     | 0355-4L |
| 4596.00 |      |      |     |                        |     | 0356    |
|         |      |      |     | 40 Cont : blk, Coal-ad |     | 0356-2L |
|         |      |      |     | 40 Cont : tar-ad       |     | 0356-3L |
|         | cvd  |      |     | 10 Sh/Clst: m gy       |     | 0356-1L |
|         | cvd  |      |     | 10 Ca : gy pi          |     | 0356-4L |
| 4608.00 |      |      |     |                        |     | 0357    |
|         |      |      |     | 40 Cont : blk, Coal-ad |     | 0357-2L |
|         |      |      |     | 40 Cont : tar-ad       |     | 0357-3L |
|         | cvd  |      |     | 10 Sh/Clst: m gy       |     | 0357-1L |
|         | cvd  |      |     | 10 Ca : gy pi          |     | 0357-4L |
| 4620.00 |      |      |     |                        |     | 0358    |
|         |      |      |     | 40 Cont : blk, Coal-ad |     | 0358-2L |
|         |      |      |     | 40 Cont : tar-ad       |     | 0358-3L |
|         | cvd  |      |     | 10 Sh/Clst: m gy       |     | 0358-1L |
|         | cvd  |      |     | 10 Ca : gy pi          |     | 0358-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                   | Trb | Sample  |
|---------|------|------|-----|-----------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description |     |         |
| 4632.00 |      |      |     |                       |     | 0359    |
|         |      |      | 40  | Cont : blk, Coal-ad   |     | 0359-2L |
|         |      |      | 40  | Cont : tar-ad         |     | 0359-3L |
|         | cvd  |      | 10  | Sh/Clst: m gy         |     | 0359-1L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0359-4L |
| 4644.00 |      |      |     |                       |     | 0360    |
|         |      |      | 30  | Cont : blk, Coal-ad   |     | 0360-2L |
|         |      |      | 30  | Cont : tar-ad         |     | 0360-3L |
|         |      |      | 25  | Other : evap          |     | 0360-5L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0360-4L |
|         | cvd  |      | 5   | Sh/Clst: m gy         |     | 0360-1L |
| 4656.00 |      |      |     |                       |     | 0361    |
|         |      |      | 30  | Cont : blk, Coal-ad   |     | 0361-2L |
|         |      |      | 30  | Cont : tar-ad         |     | 0361-3L |
|         |      |      | 25  | Other : evap          |     | 0361-5L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0361-4L |
|         | cvd  |      | 5   | Sh/Clst: m gy         |     | 0361-1L |
| 4668.00 |      |      |     |                       |     | 0362    |
|         |      |      | 45  | Cont : blk, Coal-ad   |     | 0362-2L |
|         |      |      | 40  | Cont : tar-ad         |     | 0362-3L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0362-4L |
|         | cvd  |      | 5   | Sh/Clst: m gy         |     | 0362-1L |
|         |      |      | tr  | Other : evap          |     | 0362-5L |
| 4680.00 |      |      |     |                       |     | 0363    |
|         |      |      | 45  | Cont : blk, Coal-ad   |     | 0363-2L |
|         |      |      | 40  | Cont : tar-ad         |     | 0363-3L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0363-4L |
|         | cvd  |      | 5   | Sh/Clst: m gy         |     | 0363-1L |
|         |      |      | tr  | Other : evap          |     | 0363-5L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                   | Trb | Sample  |
|---------|------|------|-----|-----------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description |     |         |
| 4692.00 |      |      |     |                       |     | 0364    |
|         |      |      | 45  | Cont : blk, Coal-ad   |     | 0364-2L |
|         |      |      | 40  | Cont : tar-ad         |     | 0364-3L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0364-4L |
|         | cvd  |      | 5   | Sh/Clst: m gy         |     | 0364-1L |
|         |      |      | tr  | Other : evap          |     | 0364-5L |
| 4704.00 |      |      |     |                       |     | 0365    |
|         |      |      | 45  | Cont : blk, Coal-ad   |     | 0365-2L |
|         |      |      | 40  | Cont : tar-ad         |     | 0365-3L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0365-4L |
|         | cvd  |      | 5   | Sh/Clst: m gy         |     | 0365-1L |
|         |      |      | tr  | Other : evap          |     | 0365-5L |
| 4716.00 |      |      |     |                       |     | 0366    |
|         |      |      | 100 | No Mat.               |     | 0366-1L |
| 4728.00 |      |      |     |                       |     | 0367    |
|         |      |      | 45  | Cont : blk, Coal-ad   |     | 0367-2L |
|         |      |      | 40  | Cont : tar-ad         |     | 0367-3L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0367-4L |
|         | cvd  |      | 5   | Sh/Clst: m gy         |     | 0367-1L |
|         |      |      | tr  | Other : evap          |     | 0367-5L |
| 4740.00 |      |      |     |                       |     | 0368    |
|         |      |      | 40  | Cont : blk, Coal-ad   |     | 0368-1L |
|         |      |      | 40  | Cont : tar-ad         |     | 0368-2L |
|         | cvd  |      | 10  | Ca : gy pi            |     | 0368-3L |
|         |      |      | 10  | Other : evap          |     | 0368-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                        | Trb | Sample  |
|---------|------|------|-----|----------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description      |     |         |
| 4752.00 |      |      |     |                            |     | 0369    |
|         |      |      | 40  | Cont : blk, Coal-ad        |     | 0369-1L |
|         |      |      | 40  | Cont : tar-ad              |     | 0369-2L |
|         | cvd  |      | 10  | Ca : gy pi                 |     | 0369-3L |
|         |      |      | 10  | Other : evap               |     | 0369-4L |
| 4764.00 |      |      |     |                            |     | 0370    |
|         |      |      | 40  | Cont : blk, Coal-ad        |     | 0370-1L |
|         |      |      | 40  | Cont : tar-ad              |     | 0370-2L |
|         | cvd  |      | 10  | Ca : gy pi                 |     | 0370-3L |
|         |      |      | 10  | Other : evap               |     | 0370-4L |
| 4770.00 |      |      |     |                            |     | 0371    |
|         |      |      | 40  | Cont : blk, Coal-ad        |     | 0371-1L |
|         |      |      | 40  | Cont : tar-ad              |     | 0371-2L |
|         | cvd  |      | 10  | Ca : gy pi                 |     | 0371-3L |
|         |      |      | 10  | Other : evap               |     | 0371-4L |
| 4776.00 |      |      |     |                            |     | 0372    |
|         |      |      | 35  | Cont : blk, Coal-ad        |     | 0372-1L |
|         |      |      | 25  | Cont : tar-ad              |     | 0372-2L |
|         | cvd  |      | 20  | Ca : gy pi                 |     | 0372-3L |
|         |      |      | 20  | Other : evap               |     | 0372-4L |
| 4782.00 |      |      |     |                            |     | 0373    |
|         |      |      | 80  | S/Sst : lt gy, calc, cem   |     | 0373-1L |
|         |      |      | 20  | Cont : Coal-ad, dd, tar-ad |     | 0373-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                   | Trb | Sample  |
|---------|------|------|-----|---------------------------------------|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                 |     |         |
| 4788.00 |      |      |     |                                       |     | 0374    |
|         |      | 0.17 | 90  | S/Sst : lt gy, calc, cem              |     | 0374-1L |
|         |      |      | 10  | Cont : Coal-ad, dd, tar-ad            |     | 0374-2L |
| 4794.00 |      |      |     |                                       |     | 0375    |
|         |      |      | 60  | S/Sst : lt gy, calc, cem              |     | 0375-1L |
|         | cvd  |      | 30  | Other : evap                          |     | 0375-3L |
|         |      |      | 10  | Cont : Coal-ad, dd, tar-ad            |     | 0375-2L |
| 4800.00 |      |      |     |                                       |     | 0376    |
|         |      |      | 80  | Cont : Mica-ad, dd                    |     | 0376-2L |
|         |      |      | 20  | S/Sst : lt gy to drk y brn, calc, cem |     | 0376-1L |
|         |      |      | tr  | Other : evap                          |     | 0376-3L |
| 4806.00 |      |      |     |                                       |     | 0377    |
|         |      |      | 60  | S/Sst : lt gy to drk y brn, calc, cem |     | 0377-1L |
|         |      | 0.60 | 20  | Sh/Clst: m gy to drk gy               |     | 0377-3L |
|         |      |      | 20  | S/Sst : gy red, cem                   |     | 0377-4L |
|         |      |      | tr  | Cont : Mica-ad, dd                    |     | 0377-2L |
| 4812.00 |      |      |     |                                       |     | 0378    |
|         |      |      | 80  | S/Sst : lt gy to drk y brn, calc, cem |     | 0378-1L |
|         |      |      | 10  | Sh/Clst: m gy to drk gy               |     | 0378-3L |
|         |      |      | 10  | S/Sst : gy red, cem                   |     | 0378-4L |
|         |      |      | tr  | Cont : Mica-ad, dd                    |     | 0378-2L |
| 4818.00 |      |      |     |                                       |     | 0379    |
|         |      |      | 80  | S/Sst : lt gy to drk y brn, calc, cem |     | 0379-1L |
|         |      |      | 10  | Sh/Clst: m gy to drk gy               |     | 0379-3L |
|         |      |      | 10  | S/Sst : gy red, cem                   |     | 0379-4L |
|         |      |      | tr  | Cont : Mica-ad, dd                    |     | 0379-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age   | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                                 |     |         |
| 4824.00 |      |      |     |   |     | 0380    |
|         |      |      |     | 80 S/Sst : lt gy to drk y brn, calc, cem              |     | 0380-1L |
|         |      |      |     | 10 Sh/Clst: m gy to drk gy                            |     | 0380-3L |
|         |      |      |     | 10 S/Sst : gy red, cem                                |     | 0380-4L |
|         |      |      |     | tr Cont : Mica-ad, dd                                 |     | 0380-2L |
| 4830.00 |      |      |     |   |     | 0381    |
|         |      |      |     | 90 S/Sst : gy red to lt gy to drk y brn, calc, cem, l |     | 0381-1L |
|         |      |      |     | 10 Sh/Clst: m gy to drk gy                            |     | 0381-2L |
| 4836.00 |      |      |     |   |     | 0382    |
|         |      |      |     | 90 S/Sst : gy red to lt gy to drk y brn, calc, cem, l |     | 0382-1L |
|         |      |      |     | 10 Sh/Clst: m gy to drk gy                            |     | 0382-2L |
| 4842.00 |      |      |     |   |     | 0383    |
|         |      |      |     | 90 S/Sst : gy red to lt gy to drk y brn, calc, cem, l |     | 0383-1L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                             |     | 0383-2L |
|         |      |      |     | 5 Sh/Clst: gy red                                     |     | 0383-3L |
|         |      |      |     | tr Cont : Coal-ad                                     |     | 0383-4L |
| 4848.00 |      |      |     |   |     | 0384    |
|         |      |      |     | 90 S/Sst : gy red to lt gy to drk y brn, calc, cem, l |     | 0384-1L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                             |     | 0384-2L |
|         |      |      |     | 5 Sh/Clst: gy red                                     |     | 0384-3L |
|         |      |      |     | tr Cont : Coal-ad                                     |     | 0384-4L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                                    |     |         |
| 4854.00 |      |      |     |  |     | 0385    |
|         |      |      |     | 50 S/Sst : gy red to lt gy to drk y brn,<br>calc, cem, l |     | 0385-1L |
|         |      |      |     | 40 Cont : Coal-ad, tar-ad                                |     | 0385-4L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                                |     | 0385-2L |
|         |      |      |     | 5 Sh/Clst: gy red  |     | 0385-3L |
| 4860.00 |      |      |     |  |     | 0386    |
|         |      |      |     | 50 S/Sst : gy red to lt gy to drk y brn,<br>calc, cem, l |     | 0386-1L |
|         |      |      |     | 40 Cont : Coal-ad, tar-ad                                |     | 0386-4L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                                |     | 0386-2L |
|         |      |      |     | 5 Sh/Clst: gy red  |     | 0386-3L |
| 4866.00 |      |      |     |  |     | 0387    |
|         | 0.51 |      |     | 50 S/Sst : gy red to lt gy to drk y brn,<br>calc, cem, l |     | 0387-1L |
|         |      |      |     | 40 Cont : Coal-ad, tar-ad                                |     | 0387-4L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                                |     | 0387-2L |
|         |      |      |     | 5 Sh/Clst: gy red  |     | 0387-3L |
| 4872.00 |      |      |     |  |     | 0388    |
|         |      |      |     | 50 S/Sst : gy red to lt gy to drk y brn,<br>calc, cem, l |     | 0388-1L |
|         |      |      |     | 40 Cont : Coal-ad, tar-ad                                |     | 0388-4L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                                |     | 0388-2L |
|         |      |      |     | 5 Sh/Clst: gy red  |     | 0388-3L |
| 4878.00 |      |      |     |  |     | 0389    |
|         |      |      |     | 50 S/Sst : gy red to lt gy to drk y brn,<br>calc, cem, l |     | 0389-1L |
|         |      |      |     | 40 Cont : Coal-ad, tar-ad                                |     | 0389-4L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                                |     | 0389-2L |
|         |      |      |     | 5 Sh/Clst: gy red  |     | 0389-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                        |     |         |
| 4887.00 |      |      |     |  |     | 0390    |
|         |      |      |     | 80 S/Sst : gy red to lt gy to drk y brn, cem |     | 0390-1L |
|         |      |      |     | 10 Sh/Clst: gy red, slt                      |     | 0390-3L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                    |     | 0390-2L |
|         |      |      |     | 5 Cont : Coal-ad, tar-ad                     |     | 0390-4L |
| 4893.00 |      |      |     |  |     | 0391    |
|         |      |      |     | 80 S/Sst : gy red to lt gy to drk y brn, cem |     | 0391-1L |
|         |      |      |     | 10 Sh/Clst: gy red, slt                      |     | 0391-3L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                    |     | 0391-2L |
|         |      |      |     | 5 Cont : Coal-ad, tar-ad                     |     | 0391-4L |
| 4899.00 |      |      |     |  |     | 0392    |
|         |      |      |     | 80 S/Sst : gy red to lt gy to drk y brn, cem |     | 0392-1L |
|         |      |      |     | 10 Sh/Clst: gy red, slt                      |     | 0392-3L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                    |     | 0392-2L |
|         |      |      |     | 5 Cont : Coal-ad, tar-ad                     |     | 0392-4L |
| 4905.00 |      |      |     |  |     | 0393    |
|         |      |      |     | 80 S/Sst : gy red to lt gy to drk y brn, cem |     | 0393-1L |
|         |      |      |     | 10 Sh/Clst: gy red, slt                      |     | 0393-3L |
|         |      |      |     | 5 Sh/Clst: m gy to drk gy                    |     | 0393-2L |
|         |      |      |     | 5 Cont : Coal-ad, tar-ad                     |     | 0393-4L |
| 4911.00 |      |      |     |  |     | 0394    |
|         |      |      |     | 80 S/Sst : gy red to lt gy to drk y brn, cem |     | 0394-1L |
|         |      |      |     | 10 Sh/Clst: gy red, slt                      |     | 0394-3L |
|         |      |      |     | 10 Cont : Coal-ad, tar-ad                    |     | 0394-4L |
|         |      |      |     | tr Sh/Clst: m gy to drk gy                   |     | 0394-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age                                       | Trb | Sample  |
|---------|------|------|-----|---|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                     |     |         |
| 4917.00 |      |      |     |   |     | 0395    |
|         |      |      | 80  | S/Sst : gy red to lt gy to drk y brn, cem |     | 0395-1L |
|         |      |      | 10  | Sh/Clst: gy red, slt                      |     | 0395-2L |
|         |      |      | 10  | Cont : Coal-ad, tar-ad                    |     | 0395-3L |
| 4923.00 |      |      |     |   |     | 0396    |
|         |      |      | 80  | S/Sst : gy red to lt gy to drk y brn, cem |     | 0396-1L |
|         |      |      | 10  | Sh/Clst: gy red, slt                      |     | 0396-2L |
|         |      |      | 10  | Cont : Coal-ad, tar-ad                    |     | 0396-3L |
| 4929.00 |      |      |     |   |     | 0397    |
|         |      |      | 80  | S/Sst : gy red to lt gy to drk y brn, cem |     | 0397-1L |
|         |      |      | 10  | Sh/Clst: gy red, slt                      |     | 0397-2L |
|         |      |      | 10  | Cont : Coal-ad, tar-ad                    |     | 0397-3L |
| 4935.00 |      |      |     |   |     | 0398    |
|         | 0.30 |      | 80  | S/Sst : gy red to lt gy to drk y brn, cem |     | 0398-1L |
|         |      |      | 10  | Sh/Clst: gy red, slt                      |     | 0398-2L |
|         |      |      | 10  | Cont : Coal-ad, tar-ad                    |     | 0398-3L |
| 4941.00 |      |      |     |   |     | 0399    |
|         |      |      | 70  | S/Sst : gy red to lt gy to drk y brn, cem |     | 0399-1L |
|         |      |      | 20  | Cont : Coal-ad, tar-ad                    |     | 0399-3L |
|         |      |      | 10  | Sh/Clst: gy red, slt                      |     | 0399-2L |
| 4947.00 |      |      |     |   |     | 0400    |
|         |      |      | 60  | Cont : Coal-ad, tar-ad                    |     | 0400-3L |
|         |      |      | 35  | S/Sst : gy red to lt gy to drk y brn, cem |     | 0400-1L |
|         |      |      | 5   | Sh/Clst: gy red, slt                      |     | 0400-2L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp  | Frm | Age  | Trb | Sample  |
|---------|------|------|-----|--|-----|---------|
| Int     | Cvd  | TOC% | %   | Lithology description                        |     |         |
| 4953.00 |      |      |     |  |     | 0401    |
|         |      |      |     | 60 Cont : Coal-ad, tar-ad                    |     | 0401-3L |
|         |      |      |     | 35 S/Sst : gy red to lt gy to drk y brn, cem |     | 0401-1L |
|         |      |      |     | 5 Sh/Clst: gy red, slt                       |     | 0401-2L |
| 4959.00 |      |      |     |  |     | 0402    |
|         |      |      |     | 70 S/Sst : gy red to lt gy to drk y brn, cem |     | 0402-1L |
|         |      |      |     | 20 Cont : Coal-ad, tar-ad                    |     | 0402-3L |
|         |      |      |     | 10 Sh/Clst: gy red, slt                      |     | 0402-2L |
| 4965.00 |      |      |     |  |     | 0403    |
|         |      |      |     | 70 S/Sst : gy red to lt gy to drk y brn, cem |     | 0403-1L |
|         |      |      |     | 20 Cont : Coal-ad, tar-ad                    |     | 0403-3L |
|         |      |      |     | 10 Sh/Clst: gy red, slt                      |     | 0403-2L |
| 4971.00 |      |      |     |  |     | 0404    |
|         | 0.54 |      |     | 70 S/Sst : gy red to lt gy to drk y brn, cem |     | 0404-1L |
|         |      |      |     | 20 Sh/Clst: gy red, slt                      |     | 0404-2L |
|         |      |      |     | 10 Cont : Coal-ad, tar-ad                    |     | 0404-3L |
| 4975.00 | ccp  |      |     |  |     | 0415    |
|         | 0.03 | 100  |     | Sltst : gy red, mic                          |     | 0415-1L |
| 4977.00 |      |      |     |  |     | 0405    |
|         |      |      |     | 70 S/Sst : gy red to lt gy to drk y brn, cem |     | 0405-1L |
|         |      |      |     | 20 Sh/Clst: gy red, slt                      |     | 0405-2L |
|         |      |      |     | 10 Cont : Coal-ad, tar-ad                    |     | 0405-3L |

Table 1 : Lithology description for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Type | Grp | Frm                                       | Age | Trb | Sample  |  |
|---------|------|-----|---|-----|-----|---------|--|
| Int Cvd | TOC% | %   | Lithology description                     |     |     |         |  |
| 4980.00 | ccp  |     |   |     |     | 0416    |  |
|         | 0.01 | 100 | Slstst : gy red, mic                      |     |     | 0416-1L |  |
| 4983.00 |      |     |   |     |     | 0406    |  |
|         | 1.18 | 70  | S/Sst : gy red to lt gy to drk y brn, cem |     |     | 0406-1L |  |
|         |      | 20  | Sh/Clst: gy red, slt                      |     |     | 0406-2L |  |
|         |      | 10  | Cont : Coal-ad, tar-ad                    |     |     | 0406-3L |  |
| 4984.20 | ccp  |     |   |     |     | 0417    |  |
|         | 0.04 | 100 | Slstst : gy red, s, mic                   |     |     | 0417-1L |  |
| 4989.00 |      |     |   |     |     | 0407    |  |
|         | 0.43 | 70  | S/Sst : gy red to lt gy to drk y brn, cem |     |     | 0407-1L |  |
|         |      | 20  | Sh/Clst: gy red, slt                      |     |     | 0407-2L |  |
|         |      | 10  | Cont : Coal-ad, tar-ad                    |     |     | 0407-3L |  |
| 4995.00 |      |     |   |     |     | 0408    |  |
|         |      | 70  | S/Sst : gy red to lt gy to drk y brn, cem |     |     | 0408-1L |  |
|         |      | 20  | Sh/Clst: gy red, slt                      |     |     | 0408-2L |  |
|         |      | 10  | Cont : Coal-ad, tar-ad                    |     |     | 0408-3L |  |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology  | S1   | S2    | S3   | S2/S3 | TOC   | HI  | OI | PP   | PI   | Tmax | Sample  |
|---------|-----|--|------|-------|------|-------|-------|-----|----|------|------|------|---------|
| 1830.00 | cut | Sh/Clst: brn gy to lt gn gy to lt ol gy, drk y brn | 0.06 | 0.22  | 0.43 | 0.51  | 0.64  | 34  | 67 | 0.3  | 0.21 | 427  | 0026-1L |
| 1860.00 | cut | Sh/Clst: brn gy to lt gn gy to lt ol gy, drk y brn | 0.01 | 0.13  | 0.09 | 1.44  | 0.13  | 100 | 69 | 0.1  | 0.07 | 477  | 0029-1L |
| 1860.00 | cut | Sh/Clst: brn blk to drk gy                         | 0.04 | 0.79  | 0.83 | 0.95  | 2.10  | 38  | 40 | 0.8  | 0.05 | 426  | 0029-3L |
| 1870.00 | cut | Sh/Clst: brn blk to drk gy                         | 0.47 | 18.33 | 5.15 | 3.56  | 10.51 | 174 | 49 | 18.8 | 0.03 | 414  | 0030-3L |
| 1875.00 | cut | Sh/Clst: blk to brn blk                            | 0.96 | 11.73 | 4.86 | 2.41  | 10.71 | 110 | 45 | 12.7 | 0.08 | 420  | 0031-1L |
| 1875.00 | cut | Sh/Clst: m gy to drk gy                            | 0.13 | 0.45  | 1.03 | 0.44  | 1.46  | 31  | 71 | 0.6  | 0.22 | 421  | 0031-2L |
| 1880.00 | cut | Sh/Clst: blk to brn blk                            | 0.30 | 9.73  | 3.66 | 2.66  | 8.45  | 115 | 43 | 10.0 | 0.03 | 420  | 0032-1L |
| 1880.00 | cut | Sh/Clst: m gy to drk gy                            | 0.03 | 0.31  | 0.79 | 0.39  | 1.16  | 27  | 68 | 0.3  | 0.09 | 423  | 0032-2L |
| 1885.00 | cut | Sh/Clst: blk to brn blk                            | 0.84 | 11.08 | 4.24 | 2.61  | 9.63  | 115 | 44 | 11.9 | 0.07 | 417  | 0033-1L |
| 1885.00 | cut | Sh/Clst: m gy to drk gy                            | 0.09 | 0.41  | 1.01 | 0.41  | 1.35  | 30  | 75 | 0.5  | 0.18 | 422  | 0033-2L |
| 1890.00 | cut | Sh/Clst: m gy to drk gy                            | -    | 0.30  | 0.80 | 0.38  | 1.08  | 28  | 74 | 0.3  | -    | 425  | 0034-2L |
| 1895.00 | cut | Sh/Clst: blk to brn blk                            | 0.91 | 14.30 | 5.42 | 2.64  | 11.26 | 127 | 48 | 15.2 | 0.06 | 419  | 0035-1L |
| 1900.00 | cut | Sh/Clst: m gy to drk gy                            | 0.03 | 0.28  | 0.88 | 0.32  | 1.30  | 22  | 68 | 0.3  | 0.10 | 422  | 0036-2L |
| 1905.00 | cut | Sh/Clst: m gy to drk gy                            | 0.34 | 0.52  | 0.80 | 0.65  | 1.33  | 39  | 60 | 0.9  | 0.40 | 416  | 0037-2L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology               | S1   | S2    | S3   | S2/S3 | TOC   | HI  | OI    | PP   | PI   | Tmax | Sample  |
|---------|-----|-------------------------|------|-------|------|-------|-------|-----|-------|------|------|------|---------|
| 1910.00 | cut | Sh/Clst: blk to brn blk | 0.44 | 12.93 | 4.29 | 3.01  | 10.22 | 127 | 42    | 13.4 | 0.03 | 420  | 0038-1L |
| 1920.00 | cut | Sh/Clst: m gy to drk gy | 0.01 | 0.31  | 0.79 | 0.39  | 1.19  | 26  | 66    | 0.3  | 0.03 | 424  | 0040-2L |
| 1925.00 | cut | S/Sst : w               | -    | -     | 3.25 | -     | 0.01  | -   | 32500 | -    | -    | -    | 0041-4L |
| 1935.00 | cut | S/Sst : w               | -    | 0.02  | 0.24 | 0.08  | 0.09  | 22  | 267   | -    | -    | 427  | 0043-4L |
| 1945.00 | cut | S/Sst : w               | -    | 0.03  | 0.16 | 0.19  | 0.06  | 50  | 267   | -    | -    | 434  | 0045-4L |
| 2010.00 | cut | Sh/Clst: m gy to drk gy | 0.45 | 0.64  | 0.78 | 0.82  | 1.44  | 44  | 54    | 1.1  | 0.41 | 425  | 0058-5L |
| 2020.00 | cut | Sh/Clst: m gy to drk gy | 0.12 | 0.41  | 0.67 | 0.61  | 1.32  | 31  | 51    | 0.5  | 0.23 | 424  | 0060-5L |
| 2030.00 | cut | Sh/Clst: m gy to drk gy | 0.17 | 0.46  | 0.67 | 0.69  | 1.25  | 37  | 54    | 0.6  | 0.27 | 418  | 0062-5L |
| 2045.00 | cut | Sltst : brn gy          | 5.91 | 1.54  | 1.74 | 0.89  | 2.13  | 72  | 82    | 7.4  | 0.79 | 417  | 0065-6L |
| 2050.00 | cut | Sh/Clst: m gy to drk gy | 0.12 | 0.52  | 0.65 | 0.80  | 1.29  | 40  | 50    | 0.6  | 0.19 | 417  | 0066-5L |
| 2060.00 | cut | Sh/Clst: m gy to drk gy | 0.17 | 0.47  | 0.69 | 0.68  | 0.27  | 174 | 256   | 0.6  | 0.27 | 415  | 0068-5L |
| 2070.00 | cut | Sh/Clst: m gy to drk gy | 0.47 | 0.54  | 0.63 | 0.86  | 1.34  | 40  | 47    | 1.0  | 0.47 | 415  | 0070-5L |
| 2085.00 | cut | Coal : blk              | 4.72 | 24.18 | 6.00 | 4.03  | 28.79 | 84  | 21    | 28.9 | 0.16 | 429  | 0073-7L |
| 2100.00 | cut | S/Sst : v col           | 0.07 | 0.04  | 0.85 | 0.05  | 0.90  | 4   | 94    | 0.1  | 0.64 | 422  | 0076-2L |
| 2110.00 | cut | S/Sst : v col           | 0.13 | 0.13  | 0.61 | 0.21  | 0.60  | 22  | 102   | 0.3  | 0.50 | 405  | 0078-2L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                       | S1    | S2    | S3    | S2/S3 | TOC   | HI  | OI  | PP   | PI   | Tmax | Sample  |
|---------|-----|---------------------------------|-------|-------|-------|-------|-------|-----|-----|------|------|------|---------|
| 2135.00 | cut | Sltst : brn gy                  | 1.28  | 2.03  | 2.12  | 0.96  | 2.37  | 86  | 89  | 3.3  | 0.39 | 420  | 0083-5L |
| 2145.00 | cut | Sltst : brn gy                  | 9.88  | 3.69  | 2.32  | 1.59  | 3.42  | 108 | 68  | 13.6 | 0.73 | 423  | 0085-5L |
| 2160.00 | cut | Sltst : brn gy                  | 1.29  | 3.88  | 3.32  | 1.17  | 3.64  | 107 | 91  | 5.2  | 0.25 | 421  | 0088-5L |
| 2195.00 | cut | S/Sst : lt gy to m gy           | 0.28  | 0.05  | 0.31  | 0.16  | 0.34  | 15  | 91  | 0.3  | 0.85 | 357  | 0095-2L |
| 2205.00 | cut | Coal : blk                      | 1.80  | 27.40 | 32.40 | 0.85  | 66.28 | 41  | 49  | 29.2 | 0.06 | 429  | 0097-3L |
| 2210.00 | cut | Coal : blk                      | 1.40  | 18.60 | 32.20 | 0.58  | 67.19 | 28  | 48  | 20.0 | 0.07 | 430  | 0098-3L |
| 2220.00 | cut | Coal : blk                      | 3.63  | 34.36 | 28.72 | 1.20  | 63.15 | 54  | 45  | 38.0 | 0.10 | 427  | 0100-3L |
| 2230.00 | cut | S/Sst : w, lt gy to m gy, v col | 0.16  | 0.08  | 0.37  | 0.22  | 0.28  | 29  | 132 | 0.2  | 0.67 | 512  | 0102-1L |
| 2250.00 | cut | Coal : blk                      | 2.85  | 30.35 | 26.96 | 1.13  | 58.91 | 52  | 46  | 33.2 | 0.09 | 430  | 0106-3L |
| 2270.00 | cut | Coal : blk to brn blk           | 1.89  | 33.44 | 14.48 | 2.31  | 48.37 | 69  | 30  | 35.3 | 0.05 | 431  | 0110-3L |
| 2285.00 | cut | Coal : blk to brn blk           | 29.16 | 55.20 | 18.33 | 3.01  | 57.93 | 95  | 32  | 84.4 | 0.35 | 425  | 0113-3L |
| 2290.00 | cut | Coal : blk to brn blk           | 5.80  | 44.80 | 14.80 | 3.03  | 46.73 | 96  | 32  | 50.6 | 0.11 | 424  | 0114-3L |
| 2300.00 | cut | Coal : blk to brn blk           | 6.55  | 42.45 | 19.18 | 2.21  | 54.46 | 78  | 35  | 49.0 | 0.13 | 430  | 0116-3L |
| 2315.00 | cut | Coal : blk to brn blk           | 20.98 | 59.50 | 16.55 | 3.60  | 56.95 | 104 | 29  | 80.5 | 0.26 | 420  | 0119-3L |
| 2325.00 | cut | Coal : blk to brn blk           | 13.06 | 42.65 | 14.69 | 2.90  | 45.25 | 94  | 32  | 55.7 | 0.23 | 428  | 0121-3L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                       | S1    | S2    | S3    | S2/S3 | TOC   | HI  | OI  | PP   | PI   | Tmax | Sample  |
|---------|-----|---------------------------------|-------|-------|-------|-------|-------|-----|-----|------|------|------|---------|
| 2335.00 | cut | S/Sst : w, lt gy to m gy, v col | 0.35  | 0.06  | 0.34  | 0.18  | 0.26  | 23  | 131 | 0.4  | 0.85 | 397  | 0123-1L |
| 2345.00 | cut | Coal : blk to brn blk           | 3.65  | 39.42 | 15.38 | 2.56  | 46.41 | 85  | 33  | 43.1 | 0.08 | 430  | 0125-3L |
| 2355.00 | cut | Coal : blk to brn blk           | 2.50  | 35.00 | 10.68 | 3.28  | 35.77 | 98  | 30  | 37.5 | 0.07 | 431  | 0127-3L |
| 2365.00 | cut | S/Sst : w, lt gy to m gy, v col | 0.80  | 0.19  | 0.75  | 0.25  | 0.45  | 42  | 167 | 1.0  | 0.81 | 430  | 0129-1L |
| 2385.00 | cut | Coal : blk to brn blk           | 4.44  | 51.48 | 15.74 | 3.27  | 53.40 | 96  | 29  | 55.9 | 0.08 | 430  | 0133-3L |
| 2395.00 | cut | Coal : blk to brn blk           | 3.67  | 50.40 | 12.44 | 4.05  | 43.28 | 116 | 29  | 54.1 | 0.07 | 430  | 0135-3L |
| 2415.00 | cut | Coal : blk to brn blk           | 3.89  | 46.94 | 12.88 | 3.64  | 53.42 | 88  | 24  | 50.8 | 0.08 | 429  | 0138-3L |
| 2425.00 | cut | Coal : blk to brn blk           | 5.00  | 49.00 | 8.83  | 5.55  | 54.59 | 90  | 16  | 54.0 | 0.09 | 429  | 0140-3L |
| 2440.00 | cut | Coal : blk to brn blk           | 6.44  | 38.13 | 7.62  | 5.00  | 40.81 | 93  | 19  | 44.6 | 0.14 | 430  | 0143-3L |
| 2450.00 | cut | Coal : blk to brn blk           | 2.22  | 32.40 | 7.96  | 4.07  | 38.16 | 85  | 21  | 34.6 | 0.06 | 433  | 0145-3L |
| 2460.00 | cut | Coal : blk to brn blk           | 8.04  | 45.43 | 10.65 | 4.27  | 46.30 | 98  | 23  | 53.5 | 0.15 | 428  | 0147-3L |
| 2480.00 | cut | Coal : blk to brn blk           | 10.00 | 42.45 | 10.75 | 3.95  | 44.88 | 95  | 24  | 52.5 | 0.19 | 431  | 0151-3L |
| 2500.00 | cut | Coal : blk to brn blk           | 7.27  | 34.54 | 13.27 | 2.60  | 47.75 | 72  | 28  | 41.8 | 0.17 | 433  | 0155-2L |
| 2523.00 | cut | S/Sst : w, lt gy to m gy, v col | 0.01  | -     | 0.31  | -     | 0.09  | -   | 344 | -    | 1.00 | 436  | 0159-1L |
| 2550.00 | cut | Coal : blk to brn blk           | 5.20  | 50.83 | 11.45 | 4.44  | 51.25 | 99  | 22  | 56.0 | 0.09 | 431  | 0164-2L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                       | S1   | S2    | S3    | S2/S3 | TOC   | HI  | OI  | PP   | PI   | Tmax | Sample  |
|---------|-----|---------------------------------|------|-------|-------|-------|-------|-----|-----|------|------|------|---------|
| 2574.00 | cut | Coal : blk to brn blk           | 0.74 | 34.77 | 20.44 | 1.70  | 68.48 | 51  | 30  | 35.5 | 0.02 | 433  | 0168-2L |
| 2586.00 | cut | Coal : blk to brn blk           | 1.12 | 39.03 | 11.29 | 3.46  | 49.10 | 79  | 23  | 40.1 | 0.03 | 435  | 0170-2L |
| 2598.00 | cut | Coal : blk to brn blk           | 0.61 | 30.61 | 7.55  | 4.05  | 34.01 | 90  | 22  | 31.2 | 0.02 | 435  | 0172-2L |
| 2616.00 | cut | S/Sst : w, lt gy to m gy, v col | 0.07 | 0.05  | 0.76  | 0.07  | 0.21  | 24  | 362 | 0.1  | 0.58 | 432  | 0175-1L |
| 2652.00 | cut | S/Sst : w, lt gy to m gy        | 0.16 | -     | 0.15  | -     | 0.10  | -   | 150 | 0.2  | 1.00 | 374  | 0181-1L |
| 2664.00 | cut | Sh/Clst: gy blk                 | 0.76 | 2.44  | 0.44  | 5.55  | 2.41  | 101 | 18  | 3.2  | 0.24 | 435  | 0183-5L |
| 2682.00 | cut | S/Sst : w, lt gy to m gy        | 0.24 | 0.09  | 0.25  | 0.36  | 0.22  | 41  | 114 | 0.3  | 0.73 | 386  | 0186-1L |
| 2696.00 | cut | Sh/Clst: gy blk to drk gy       | 0.56 | 3.87  | 0.48  | 8.06  | 2.71  | 143 | 18  | 4.4  | 0.13 | 432  | 0188-3L |
| 2715.00 | cut | S/Sst : w, lt gy to m gy        | 0.18 | 0.11  | 0.25  | 0.44  | 0.26  | 42  | 96  | 0.3  | 0.62 | 428  | 0191-1L |
| 2745.00 | cut | Sh/Clst: gy blk to drk gy       | 0.12 | 3.03  | 0.34  | 8.91  | 2.18  | 139 | 16  | 3.1  | 0.04 | 435  | 0194-3L |
| 2778.00 | cut | Sh/Clst: gy blk to drk gy       | 0.18 | 2.43  | 0.43  | 5.65  | 2.26  | 108 | 19  | 2.6  | 0.07 | 434  | 0197-3L |
| 2826.00 | cut | Sh/Clst: gy red to red brn      | 0.01 | 0.01  | 0.23  | 0.04  | 0.07  | 14  | 329 | -    | 0.50 | 437  | 0201-3L |
| 2898.00 | cut | S/Sst : w, lt gy to m gy        | 0.03 | 0.01  | 0.10  | 0.10  | 0.08  | 13  | 125 | -    | 0.75 | 369  | 0207-1L |
| 3000.00 | cut | Sh/Clst: gy red to red brn      | 0.01 | -     | 0.19  | -     | 0.06  | -   | 317 | -    | 1.00 | 431  | 0216-2L |
| 3099.00 | cut | Sh/Clst: gy red to red brn      | 0.86 | 0.22  | 0.15  | 1.47  | 0.28  | 79  | 54  | 1.1  | 0.80 | 296  | 0231-2L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology   | S1   | S2    | S3   | S2/S3 | TOC   | HI | OI | PP   | PI   | Tmax | Sample  |
|---------|-----|---|------|-------|------|-------|-------|----|----|------|------|------|---------|
| 3201.00 | cut | Coal : blk  | 0.83 | 13.47 | 3.47 | 3.88  | 13.75 | 98 | 25 | 14.3 | 0.06 | 434  | 0242-5L |
| 3300.00 | cut | Sh/Clst: blk to lt gy to m gy to drk gy                       | 1.87 | 1.56  | 0.32 | 4.88  | 2.12  | 74 | 15 | 3.4  | 0.55 | 434  | 0250-3L |
| 3312.00 | cut | Sh/Clst: blk to lt gy to m gy to drk gy                       | 1.44 | 0.61  | 0.74 | 0.82  | 1.57  | 39 | 47 | 2.1  | 0.70 | 433  | 0251-3L |
| 3324.00 | cut | Sh/Clst: blk to lt gy to m gy to drk gy, drk y brn, dsk y brn | 2.40 | 0.48  | 0.83 | 0.58  | 1.36  | 35 | 61 | 2.9  | 0.83 | 430  | 0252-3L |
| 3336.00 | cut | Sh/Clst: blk to lt gy to m gy to drk gy, drk y brn, dsk y brn | 1.95 | 0.93  | 0.53 | 1.75  | 1.79  | 52 | 30 | 2.9  | 0.68 | 432  | 0253-3L |
| 3348.00 | cut | Sh/Clst: lt gy to m gy to drk gy, drk y brn, dsk y brn        | 0.38 | 0.10  | 0.29 | 0.34  | 0.49  | 20 | 59 | 0.5  | 0.79 | 431  | 0254-3L |
| 3360.00 | cut | Sh/Clst: lt gy to m gy to drk gy, drk y brn, dsk y brn        | 0.45 | 0.09  | 0.49 | 0.18  | 0.54  | 17 | 91 | 0.5  | 0.83 | 432  | 0255-3L |
| 3372.00 | cut | Sh/Clst: lt gy to m gy to drk gy, drk y brn, dsk y brn        | 0.49 | 0.13  | 0.45 | 0.29  | 0.58  | 22 | 78 | 0.6  | 0.79 | 433  | 0256-3L |
| 3384.00 | cut | Sh/Clst: lt gy to m gy to drk gy, drk y brn, dsk y brn        | 0.12 | 0.05  | 0.26 | 0.19  | 0.34  | 15 | 76 | 0.2  | 0.71 | 432  | 0257-3L |
| 3396.00 | cut | Sh/Clst: lt gy to m gy to drk gy, drk y brn, dsk y brn        | 0.68 | 3.11  | 0.81 | 3.84  | 4.43  | 70 | 18 | 3.8  | 0.18 | 433  | 0258-3L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology   | S1   | S2   | S3   | S2/S3 | TOC  | HI  | OI  | PP  | PI   | Tmax | Sample  |
|---------|-----|---|------|------|------|-------|------|-----|-----|-----|------|------|---------|
| 3396.00 | cut | Sh/Clst: gy blk   | 0.33 | 2.78 | 0.45 | 6.18  | 2.71 | 103 | 17  | 3.1 | 0.11 | 434  | 0258-4L |
| 3408.00 | cut | Sh/Clst: lt gy to m gy to drk gy,<br>drk y brn, dsk y brn | 0.27 | 0.40 | 0.26 | 1.54  | 0.93 | 43  | 28  | 0.7 | 0.40 | 429  | 0259-3L |
| 3420.00 | cut | Sh/Clst: lt gy to m gy to drk gy,<br>drk y brn, dsk y brn | 0.41 | 0.17 | 0.30 | 0.57  | 0.63 | 27  | 48  | 0.6 | 0.71 | 384  | 0260-3L |
| 3420.00 | cut | Coal : blk to brn blk                                     | 0.39 | 1.96 | 0.58 | 3.38  | 5.15 | 38  | 11  | 2.4 | 0.17 | 434  | 0260-4L |
| 3432.00 | cut | Sh/Clst: lt gy to m gy to drk gy,<br>drk y brn, dsk y brn | 0.27 | 0.41 | 0.22 | 1.86  | 0.92 | 45  | 24  | 0.7 | 0.40 | 434  | 0261-2L |
| 3432.00 | cut | Coal : blk to brn blk                                     | 0.60 | 5.00 | 0.90 | 5.56  | 4.87 | 103 | 18  | 5.6 | 0.11 | 431  | 0261-3L |
| 3432.00 | cut | Sh/Clst: gy blk   | 0.48 | 1.57 | 0.44 | 3.57  | 2.06 | 76  | 21  | 2.0 | 0.23 | 436  | 0261-4L |
| 3888.00 | cut | Sh/Clst: m gy   | 0.10 | 0.50 | 0.68 | 0.74  | 0.80 | 63  | 85  | 0.6 | 0.17 | 440  | 0297-2L |
| 3912.00 | cut | Sh/Clst: m gy   | 0.45 | 0.64 | 1.23 | 0.52  | 0.88 | 73  | 140 | 1.1 | 0.41 | 420  | 0299-2L |
| 3975.00 | cut | Sh/Clst: m gy   | 0.15 | 0.16 | 0.91 | 0.18  | 0.69 | 23  | 132 | 0.3 | 0.48 | 432  | 0304-2L |
| 4047.00 | cut | Sh/Clst: red brn to lt gy                                 | 0.08 | 0.19 | 0.72 | 0.26  | 0.46 | 41  | 157 | 0.3 | 0.30 | 436  | 0310-1L |
| 4119.00 | cut | Sh/Clst: m gy   | 0.11 | 0.27 | 0.80 | 0.34  | 0.82 | 33  | 98  | 0.4 | 0.29 | 434  | 0316-2L |
| 4251.00 | cut | Sh/Clst: m gy   | 0.07 | 0.18 | 1.09 | 0.17  | 0.56 | 32  | 195 | 0.3 | 0.28 | 432  | 0327-2L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                               | S1   | S2   | S3   | S2/S3 | TOC  | HI | OI  | PP  | PI   | Tmax | Sample  |
|---------|-----|---|------|------|------|-------|------|----|-----|-----|------|------|---------|
| 4263.00 | cut | Sh/Clst: m gy                           | 0.16 | 0.35 | 1.07 | 0.33  | 1.18 | 30 | 91  | 0.5 | 0.31 | 436  | 0328-2L |
| 4275.00 | cut | Sh/Clst: m gy                           | 0.14 | 0.21 | 1.15 | 0.18  | 1.02 | 21 | 113 | 0.3 | 0.40 | 425  | 0329-2L |
| 4287.00 | cut | Sh/Clst: m gy                           | 0.12 | 0.28 | 0.98 | 0.29  | 0.98 | 29 | 100 | 0.4 | 0.30 | 437  | 0330-2L |
| 4299.00 | cut | Sh/Clst: m gy                           | 0.54 | 0.81 | 1.04 | 0.78  | 1.19 | 68 | 87  | 1.4 | 0.40 | 433  | 0331-2L |
| 4323.00 | cut | Sh/Clst: m gy                           | 0.13 | 0.31 | 1.61 | 0.19  | 1.14 | 27 | 141 | 0.4 | 0.30 | 437  | 0333-2L |
| 4335.00 | cut | Sh/Clst: m gy                           | 0.10 | 0.17 | 0.70 | 0.24  | 0.65 | 26 | 108 | 0.3 | 0.37 | 436  | 0334-2L |
| 4359.00 | cut | Sh/Clst: m gy                           | -    | -    | 0.36 | -     | 0.60 | -  | 60  | -   | -    | -    | 0336-2L |
| 4380.00 | cut | Sh/Clst: m gy                           | 0.18 | 0.56 | 2.10 | 0.27  | 1.89 | 30 | 111 | 0.7 | 0.24 | 436  | 0338-2L |
| 4548.00 | cut | Sh/Clst: m gy                           | 0.31 | 0.54 | 1.73 | 0.31  | 0.87 | 62 | 199 | 0.9 | 0.36 | 426  | 0352-2L |
| 4788.00 | cut | S/Sst : lt gy                           | 0.09 | 0.03 | 0.29 | 0.10  | 0.17 | 18 | 171 | 0.1 | 0.75 | 411  | 0374-1L |
| 4806.00 | cut | Sh/Clst: m gy to drk gy                 | 0.22 | 0.13 | 0.58 | 0.22  | 0.60 | 22 | 97  | 0.3 | 0.63 | 298  | 0377-3L |
| 4866.00 | cut | S/Sst : gy red to lt gy to drk y<br>brn | 0.41 | 0.20 | 0.89 | 0.22  | 0.51 | 39 | 175 | 0.6 | 0.67 | 388  | 0387-1L |
| 4935.00 | cut | S/Sst : gy red to lt gy to drk y<br>brn | 0.26 | 0.07 | 0.70 | 0.10  | 0.30 | 23 | 233 | 0.3 | 0.79 | 324  | 0398-1L |
| 4971.00 | cut | S/Sst : gy red to lt gy to drk y<br>brn | 0.66 | 0.16 | 1.12 | 0.14  | 0.54 | 30 | 207 | 0.8 | 0.80 | 425  | 0404-1L |

Table 2 : Rock-Eval table for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                               | S1   | S2   | S3   | S2/S3 | TOC  | HI  | OI   | PP  | PI   | Tmax | Sample  |
|---------|-----|---|------|------|------|-------|------|-----|------|-----|------|------|---------|
| 4975.00 | ccp | Sltst : gy red                          | 0.03 | 0.04 | 0.35 | 0.11  | 0.03 | 133 | 1167 | 0.1 | 0.43 | 425  | 0415-1L |
| 4980.00 | ccp | Sltst : gy red                          | 0.01 | -    | 0.35 | -     | 0.01 | -   | 3500 | -   | 1.00 | 337  | 0416-1L |
| 4983.00 | cut | S/Sst : gy red to lt gy to drk y<br>brn | 1.87 | 1.92 | 2.21 | 0.87  | 1.18 | 163 | 187  | 3.8 | 0.49 | 378  | 0406-1L |
| 4984.20 | ccp | Sltst : gy red                          | 0.10 | 0.05 | 0.21 | 0.24  | 0.04 | 125 | 525  | 0.2 | 0.67 | 284  | 0417-1L |
| 4989.00 | cut | S/Sst : gy red to lt gy to drk y<br>brn | 0.32 | 0.13 | 1.05 | 0.12  | 0.43 | 30  | 244  | 0.4 | 0.71 | 329  | 0407-1L |

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology               | C1    | C2-C5 | C6-C14 | C15+  | S2 from<br>Rock-Eval | Sample  |
|---------|-----|-------------------------|-------|-------|--------|-------|----------------------|---------|
| 1875.00 | cut | Sh/Clst: blk to brn blk | 3.75  | 14.08 | 56.16  | 26.01 | 11.73                | 0031-1L |
| 1875.00 | cut | Sh/Clst: m gy to drk gy | 8.17  | 45.35 | 46.02  | 0.47  | 0.45                 | 0031-2L |
| 1880.00 | cut | Sh/Clst: blk to brn blk | 5.84  | 18.03 | 56.28  | 19.85 | 9.73                 | 0032-1L |
| 1880.00 | cut | Sh/Clst: m gy to drk gy | 7.04  | 52.75 | 39.95  | 0.26  | 0.31                 | 0032-2L |
| 1885.00 | cut | Sh/Clst: blk to brn blk | 7.00  | 18.17 | 43.01  | 31.82 | 11.08                | 0033-1L |
| 1885.00 | cut | Sh/Clst: m gy to drk gy | -     | -     | -      | -     | 0.41                 | 0033-2L |
| 1920.00 | cut | Sh/Clst: m gy to drk gy | -     | -     | -      | -     | 0.31                 | 0040-2L |
| 2010.00 | cut | Sh/Clst: m gy to drk gy | 21.44 | 51.35 | 27.18  | 0.03  | 0.64                 | 0058-5L |
| 2045.00 | cut | Sltst : brn gy          | 32.52 | 37.81 | 28.60  | 1.07  | 1.54                 | 0065-6L |
| 2085.00 | cut | Coal : blk              | 20.96 | 28.20 | 40.44  | 10.41 | 24.18                | 0073-7L |
| 2160.00 | cut | Sltst : brn gy          | 5.17  | 33.33 | 54.90  | 6.60  | 3.88                 | 0088-5L |
| 2195.00 | cut | S/Sst : lt gy to m gy   | -     | -     | -      | -     | 0.05                 | 0095-2L |
| 2220.00 | cut | Coal : blk              | 30.84 | 26.16 | 34.23  | 8.77  | 34.36                | 0100-3L |
| 2270.00 | cut | Coal : blk to brn blk   | 2.52  | 0.46  | 52.95  | 44.08 | 33.44                | 0110-3L |

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                       | C1    | C2-C5 | C6-C14 | C15+  | S2 from<br>Rock-Eval | Sample  |
|---------|-----|---------------------------------|-------|-------|--------|-------|----------------------|---------|
| 2300.00 | cut | Coal : blk to brn blk           | 1.99  | 9.08  | 53.36  | 35.57 | 42.45                | 0116-3L |
| 2335.00 | cut | S/Sst : w, lt gy to m gy, v col | -     | -     | -      | -     | 0.06                 | 0123-1L |
| 2345.00 | cut | Coal : blk to brn blk           | 21.29 | 19.45 | 38.96  | 20.30 | 39.42                | 0125-3L |
| 2365.00 | cut | S/Sst : w, lt gy to m gy, v col | -     | -     | -      | -     | 0.19                 | 0129-1L |
| 2450.00 | cut | Coal : blk to brn blk           | 27.85 | 27.10 | 36.52  | 8.53  | 32.40                | 0145-3L |
| 2480.00 | cut | Coal : blk to brn blk           | 18.62 | 28.11 | 41.17  | 12.10 | 42.45                | 0151-3L |
| 2500.00 | cut | Coal : blk to brn blk           | 25.78 | 23.76 | 39.93  | 10.53 | 34.54                | 0155-2L |
| 2598.00 | cut | Coal : blk to brn blk           | 24.36 | 23.16 | 41.80  | 10.68 | 30.61                | 0172-2L |
| 2652.00 | cut | S/Sst : w, lt gy to m gy        | -     | -     | -      | -     | -                    | 0181-1L |
| 2664.00 | cut | Sh/Clst: gy blk                 | 13.84 | 42.04 | 41.68  | 2.45  | 2.44                 | 0183-5L |
| 2682.00 | cut | S/Sst : w, lt gy to m gy        | -     | -     | -      | -     | 0.09                 | 0186-1L |
| 2696.00 | cut | Sh/Clst: gy blk to drk gy       | 14.50 | 45.48 | 38.73  | 1.29  | 3.87                 | 0188-3L |
| 2745.00 | cut | Sh/Clst: gy blk to drk gy       | 22.43 | 35.57 | 41.89  | -     | 3.03                 | 0194-3L |
| 3432.00 | cut | Sh/Clst: gy blk                 | 14.56 | 54.21 | 31.17  | 0.07  | 1.57                 | 0261-4L |

Table 3 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology      | C1    | C2-C5 | C6-C14 | C15+  | S2 from<br>Rock-Eval | Sample  |
|---------|-----|----------------|-------|-------|--------|-------|----------------------|---------|
| 3888.00 | cut | Sh/Clst: m gy  | 25.78 | 43.49 | 30.68  | 0.05  | 0.50                 | 0297-2L |
| 4299.00 | cut | Sh/Clst: m gy  | 5.20  | 40.48 | 43.31  | 11.02 | 0.81                 | 0331-2L |
| 4975.00 | ccp | Sltst : gy red | 2.68  | 30.55 | 48.18  | 18.59 | 0.04                 | 0415-1L |
| 4984.20 | ccp | Sltst : gy red | 3.14  | 28.28 | 38.37  | 30.21 | 0.05                 | 0417-1L |

Depth unit of measure: m

| Depth   | Typ | Lithology                        | Rock<br>Extracted<br>(g) | EOM<br>(mg) | Sat<br>(mg) | Aro<br>(mg) | Asph<br>(mg) | NSO<br>(mg) | HC<br>(mg) | Non-HC<br>(mg) | TOC(e)<br>(%) | Sample  |
|---------|-----|----------------------------------|--------------------------|-------------|-------------|-------------|--------------|-------------|------------|----------------|---------------|---------|
| 1885.00 | com | Composite sample - see table 4 e | 4.5                      | 4.2         | 1.5         | 1.2         | 0.2          | 1.3         | 2.7        | 1.5            | 1.22          | 0409-0B |
| 2220.00 | com | Composite sample - see table 4 e | 1.0                      | 12.6        | 1.8         | 3.9         | 0.8          | 6.1         | 5.7        | 6.9            | 51.90         | 0410-0B |
| 2270.00 | com | Composite sample - see table 4 e | 1.0                      | 12.0        | 2.4         | 4.5         | 1.1          | 4.0         | 6.9        | 5.1            | 45.30         | 0411-0B |
| 2300.00 | cut | Coal : blk to brn blk            | 1.0                      | 18.6        | 6.0         | 7.3         | 1.4          | 3.9         | 13.4       | 5.3            | 45.60         | 0116-3L |
| 2355.00 | com | Composite sample - see table 4 e | 1.5                      | 20.8        | 3.6         | 4.5         | 0.6          | 12.1        | 8.1        | 12.7           | 30.30         | 0412-0B |
| 2500.00 | com | Composite sample - see table 4 e | 1.8                      | 41.3        | 22.6        | 9.0         | 2.6          | 7.1         | 31.6       | 9.6            | 38.10         | 0413-0B |
| 2598.00 | com | Composite sample - see table 4 e | 1.9                      | 5.9         | 1.4         | 1.5         | 0.5          | 2.6         | 2.9        | 3.0            | 17.30         | 0414-0B |
| 4984.20 | ccp | Sltst : gy red                   | 7.2                      | 2.2         | 0.8         | 0.5         | 0.2          | 0.7         | 1.3        | 0.9            | 0.12          | 0417-1L |

Table 4 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                        | EOM   | Sat   | Aro  | Asph | NSO  | HC    | Non-HC | Sample  |
|---------|-----|----------------------------------|-------|-------|------|------|------|-------|--------|---------|
| 1885.00 | com | Composite sample - see table 4 e | 941   | 336   | 269  | 44   | 291  | 605   | 336    | 0409-0B |
| 2220.00 | com | Composite sample - see table 4 e | 12352 | 1764  | 3823 | 784  | 5980 | 5588  | 6764   | 0410-0B |
| 2270.00 | com | Composite sample - see table 4 e | 12000 | 2400  | 4500 | 1100 | 4000 | 6900  | 5100   | 0411-0B |
| 2300.00 | cut | Coal : blk to brn blk            | 18415 | 5940  | 7277 | 1386 | 3811 | 13217 | 5198   | 0116-3L |
| 2355.00 | com | Composite sample - see table 4 e | 14136 | 2448  | 3061 | 408  | 8217 | 5510  | 8625   | 0412-0B |
| 2500.00 | com | Composite sample - see table 4 e | 23333 | 12796 | 5084 | 1468 | 3983 | 17881 | 5451   | 0413-0B |
| 2598.00 | com | Composite sample - see table 4 e | 3138  | 718   | 797  | 265  | 1356 | 1515  | 1622   | 0414-0B |
| 4984.20 | ccp | Sltst : gy red                   | 304   | 110   | 69   | 27   | 96   | 180   | 124    | 0417-1L |

Table 4 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                        | EOM    | Sat   | Aro   | Asph  | NSO   | HC     | Non-HC | Sample  |
|---------|-----|----------------------------------|--------|-------|-------|-------|-------|--------|--------|---------|
| 1885.00 | com | Composite sample - see table 4 e | 77.19  | 27.57 | 22.05 | 3.68  | 23.89 | 49.62  | 27.57  | 0409-0B |
| 2220.00 | com | Composite sample - see table 4 e | 23.80  | 3.40  | 7.37  | 1.51  | 11.52 | 10.77  | 13.03  | 0410-0B |
| 2270.00 | com | Composite sample - see table 4 e | 26.49  | 5.30  | 9.93  | 2.43  | 8.83  | 15.23  | 11.26  | 0411-0B |
| 2300.00 | cut | Coal : blk to brn blk            | 40.39  | 13.03 | 15.96 | 3.04  | 8.36  | 28.99  | 11.40  | 0116-3L |
| 2355.00 | com | Composite sample - see table 4 e | 46.65  | 8.08  | 10.10 | 1.35  | 27.12 | 18.19  | 28.47  | 0412-0B |
| 2500.00 | com | Composite sample - see table 4 e | 61.24  | 33.59 | 13.35 | 3.86  | 10.45 | 46.93  | 14.31  | 0413-0B |
| 2598.00 | com | Composite sample - see table 4 e | 18.14  | 4.15  | 4.61  | 1.54  | 7.84  | 8.76   | 9.38   | 0414-0B |
| 4984.20 | ccp | Sltst : gy red                   | 253.92 | 92.34 | 57.71 | 23.08 | 80.79 | 150.05 | 103.88 | 0417-1L |

Table 4 d: Composition of material extracted from the rock (%) for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                        | Sat   | Aro   | Asph | NSO   | HC    | Non-HC | Sat    | HC     | Sample  |
|---------|-----|----------------------------------|-------|-------|------|-------|-------|--------|--------|--------|---------|
|         |     |                                  | EOM   | EOM   | EOM  | EOM   | EOM   | EOM    | EOM    | Aro    |         |
| 1885.00 | com | Composite sample - see table 4 e | 35.71 | 28.57 | 4.76 | 30.95 | 64.29 | 35.71  | 125.00 | 180.00 | 0409-0B |
| 2220.00 | com | Composite sample - see table 4 e | 14.29 | 30.95 | 6.35 | 48.41 | 45.24 | 54.76  | 46.15  | 82.61  | 0410-0B |
| 2270.00 | com | Composite sample - see table 4 e | 20.00 | 37.50 | 9.17 | 33.33 | 57.50 | 42.50  | 53.33  | 135.29 | 0411-0B |
| 2300.00 | cut | Coal : blk to brn blk            | 32.26 | 39.52 | 7.53 | 20.70 | 71.77 | 28.23  | 81.63  | 254.29 | 0116-3L |
| 2355.00 | com | Composite sample - see table 4 e | 17.32 | 21.66 | 2.89 | 58.13 | 38.98 | 61.02  | 80.00  | 63.88  | 0412-0B |
| 2500.00 | com | Composite sample - see table 4 e | 54.84 | 21.79 | 6.30 | 17.07 | 76.63 | 23.37  | 251.67 | 327.98 | 0413-0B |
| 2598.00 | com | Composite sample - see table 4 e | 22.88 | 25.42 | 8.47 | 43.22 | 48.31 | 51.69  | 90.00  | 93.44  | 0414-0B |
| 4984.20 | ccp | Sltst : gy red                   | 36.36 | 22.73 | 9.09 | 31.82 | 59.09 | 40.91  | 160.00 | 144.44 | 0417-1L |

Depth unit of measure: m

NOTE: Depths shown in tables 4 a to d correspond to the composite samples' lower depth.

| <u>Upper depth</u> | <u>Lower depth</u> | <u>Typ</u> | <u>Sample</u>           | <u>Depth</u> | <u>Typ</u> | <u>Lithology</u>           | <u>Sample</u> |
|--------------------|--------------------|------------|-------------------------|--------------|------------|----------------------------|---------------|
| 1880.00            | 1885.00            | com        | 0409-0B is composed of: | 1880.00      | cut        | Sh/Clst: m gy to drk gy    | 0032-2L       |
|                    |                    |            |                         | 1885.00      | cut        | Sh/Clst: m gy to drk gy    | 0033-2L       |
| 2205.00            | 2220.00            | com        | 0410-0B is composed of: | 2205.00      | cut        | Coal : blk                 | 0097-3L       |
|                    |                    |            |                         | 2210.00      | cut        | Coal : blk                 | 0098-3L       |
|                    |                    |            |                         | 2220.00      | cut        | Coal : blk                 | 0100-3L       |
| 2250.00            | 2270.00            | com        | 0411-0B is composed of: | 2250.00      | cut        | Coal : blk                 | 0106-3L       |
|                    |                    |            |                         | 2270.00      | cut        | Coal : blk to brn blk, cly | 0110-3L       |
| 2345.00            | 2355.00            | com        | 0412-0B is composed of: | 2345.00      | cut        | Coal : blk to brn blk, cly | 0125-3L       |
|                    |                    |            |                         | 2355.00      | cut        | Coal : blk to brn blk, cly | 0127-3L       |
| 2480.00            | 2500.00            | com        | 0413-0B is composed of: | 2480.00      | cut        | Coal : blk to brn blk, cly | 0151-3L       |
|                    |                    |            |                         | 2500.00      | cut        | Coal : blk to brn blk, cly | 0155-2L       |
| 2586.00            | 2598.00            | com        | 0414-0B is composed of: | 2586.00      | cut        | Coal : blk to brn blk, cly | 0170-2L       |
|                    |                    |            |                         | 2598.00      | cut        | Coal : blk to brn blk, cly | 0172-2L       |

Table 5 : Saturated Hydrocarbon Ratios for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology             | Pristane | Pristane | Pristane + Phytane | Phytane | CPI  | Sample  |
|---------|-----|-----------------------|----------|----------|--------------------|---------|------|---------|
|         |     |                       | nC17     | Phytane  | nC17 + nC18        | nC18    |      |         |
| 1885.00 | com | bulk                  | 0.61     | 1.54     | 0.58               | 0.54    | 1.34 | 0409-0B |
| 2220.00 | com | bulk                  | 0.75     | 1.24     | 0.71               | 0.67    | 3.12 | 0410-0B |
| 2270.00 | com | bulk                  | 0.80     | 1.44     | 0.74               | 0.68    | 2.69 | 0411-0B |
| 2300.00 | cut | Coal : blk to brn blk | 0.63     | 1.41     | 0.57               | 0.50    | 2.12 | 0116-3L |
| 2355.00 | com | bulk                  | 0.59     | 1.70     | 0.55               | 0.49    | 2.33 | 0412-0B |
| 2500.00 | com | bulk                  | 0.88     | 1.65     | 0.86               | 0.84    | 2.93 | 0413-0B |
| 2598.00 | com | bulk                  | 1.07     | 2.18     | 0.93               | 0.72    | 4.43 | 0414-0B |
| 4984.20 | ccp | Sltst : gy red        | 0.61     | 1.93     | 0.55               | 0.46    | 0.83 | 0417-1L |

Table 6 : Aromatic Hydrocarbon Ratios for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology             | MNR  | DMNR | BPhR | 2/1MP | MPI1 | MPI2 | Rc   | DBT/P | 4/1MDBT<br>(3+2)<br>/1MDBT | Sample |         |
|---------|-----|-----------------------|------|------|------|-------|------|------|------|-------|----------------------------|--------|---------|
| 1885.00 | com | bulk                  | -    | 1.32 | -    | 1.23  | 0.93 | 1.04 | 0.96 | 0.41  | 18.35                      | 2.18   | 0409-0B |
| 2220.00 | com | bulk                  | 0.63 | 1.33 | 0.08 | 1.19  | 0.85 | 0.97 | 0.91 | 0.29  | 27.08                      | 1.60   | 0410-0B |
| 2270.00 | com | bulk                  | 2.04 | 1.31 | 0.07 | 1.27  | 0.85 | 0.96 | 0.91 | 0.31  | 22.85                      | 1.09   | 0411-0B |
| 2300.00 | cut | Coal : blk to brn blk | 0.81 | 1.40 | 0.10 | 1.21  | 0.88 | 1.01 | 0.93 | 0.30  | 25.29                      | 1.44   | 0116-3L |
| 2355.00 | com | bulk                  | 0.68 | 1.22 | 0.08 | 1.18  | 0.85 | 0.96 | 0.91 | 0.28  | 26.18                      | 1.53   | 0412-0B |
| 2500.00 | com | bulk                  | 0.91 | 1.44 | 0.15 | 1.22  | 0.88 | 0.92 | 0.93 | 0.54  | 11.29                      | 0.88   | 0413-0B |
| 2598.00 | com | bulk                  | 0.52 | 1.31 | 0.07 | 1.12  | 0.72 | 0.79 | 0.83 | 0.22  | 7.35                       | 0.69   | 0414-0B |
| 4984.20 | ccp | sltst : gy red        | -    | 1.42 | -    | -     | -    | -    | -    | -     | -                          | -      | 0417-1L |

Table 7 : Thermal Maturity Data for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology               | Vitrinite<br>Reflectance<br>(%) | Number of<br>Readings | Standard<br>Deviation | Spore<br>Fluorescence<br>Colour | SCI     | Tmax<br>(°C) | Sample  |
|---------|-----|-------------------------|---------------------------------|-----------------------|-----------------------|---------------------------------|---------|--------------|---------|
| 1400.00 | cut | bulk                    | 0.31                            | 19                    | 0.04                  | 0                               | -       | -            | 0005-0B |
| 1560.00 | cut | bulk                    | 0.33                            | 23                    | 0.04                  | 4                               | -       | -            | 0012-0B |
| 1720.00 | cut | bulk                    | 0.35                            | 17                    | 0.04                  | 4                               | -       | -            | 0020-0B |
| 1870.00 | cut | bulk                    | 0.42                            | 17                    | 0.04                  | 4+5                             | -       | -            | 0030-0B |
| 1880.00 | cut | Sh/Clst: blk to brn blk | -                               | -                     | -                     | -                               | 3.0     | 420          | 0032-1L |
| 2010.00 | cut | Sh/Clst: m gy to drk gy | -                               | -                     | -                     | -                               | 2.5     | 425          | 0058-5L |
| 2025.00 | cut | bulk                    | 0.38                            | 27                    | 0.03                  | 0                               | -       | -            | 0061-0B |
| 2045.00 | cut | Sltst : brn gy          | -                               | -                     | -                     | -                               | 3.5     | 417          | 0065-6L |
| 2085.00 | cut | Coal : blk              | -                               | -                     | -                     | -                               | 4.5-5.0 | 429          | 0073-7L |
| 2160.00 | cut | Sltst : brn gy          | -                               | -                     | -                     | -                               | 3.0-3.5 | 421          | 0088-5L |
| 2190.00 | cut | bulk                    | 0.40                            | 23                    | 0.03                  | 4+5                             | -       | -            | 0094-0B |
| 2220.00 | cut | Coal : blk              | -                               | -                     | -                     | -                               | ?3.5    | 427          | 0100-3L |
| 2300.00 | cut | Coal : blk to brn blk   | -                               | -                     | -                     | -                               | 3.5-4.0 | 430          | 0116-3L |
| 2390.00 | cut | bulk                    | 0.47                            | 23                    | 0.03                  | 5                               | -       | -            | 0134-0B |

Table 7 : Thermal Maturity Data for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ Lithology                 | Vitrinite Reflectance (%) | Number of Readings | Standard Deviation | Spore Fluorescence Colour | SCI      | Tmax (°C) | Sample  |
|---------|-------------------------------|---------------------------|--------------------|--------------------|---------------------------|----------|-----------|---------|
| 2395.00 | cut Coal : blk to brn blk     | -                         | -                  | -                  | -                         | 3.0-4.0  | 430       | 0135-3L |
| 2480.00 | cut Coal : blk to brn blk     | -                         | -                  | -                  | -                         | 4.5      | 431       | 0151-3L |
| 2556.00 | cut bulk                      | 0.44                      | 44                 | 0.03               | 4+5                       | -        | -         | 0165-0B |
| 2598.00 | cut Coal : blk to brn blk     | -                         | -                  | -                  | -                         | 4.0-4.5  | 435       | 0172-2L |
| 2721.00 | cut bulk                      | 0.44                      | 25                 | 0.04               | 5                         | -        | -         | 0192-0B |
| 2745.00 | cut Sh/Clst: gy blk to drk gy | -                         | -                  | -                  | -                         | ?4.0     | 435       | 0194-3L |
| 2874.00 | cut bulk                      | 0.46                      | 12                 | 0.05               | 0                         | -        | -         | 0205-0B |
| 3045.00 | cut bulk                      | NDP                       | -                  | -                  | 0                         | -        | -         | 0222-0B |
| 3201.00 | cut bulk                      | NDP                       | -                  | -                  | 4+5                       | -        | -         | 0242-0B |
| 3396.00 | cut Sh/Clst: gy blk           | -                         | -                  | -                  | -                         | 4.5      | 434       | 0258-4L |
| 3420.00 | cut bulk                      | 0.38                      | 10                 | 0.02               | 4+5                       | -        | -         | 0260-0B |
| 3561.00 | cut bulk                      | 0.45                      | 15                 | 0.06               | 5                         | -        | -         | 0271-0B |
| 3720.00 | cut bulk                      | NDP                       | -                  | -                  | 0                         | -        | -         | 0284-0B |
| 3888.00 | cut Sh/Clst: m gy             | -                         | -                  | -                  | -                         | ?5.5-6.0 | 440       | 0297-2L |

Table 7 : Thermal Maturity Data for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology | Vitrinite<br>Reflectance<br>(%) | Number of<br>Readings | Standard<br>Deviation | Spore<br>Fluorescence<br>Colour | SCI | Tmax<br>(°C) | Sample  |
|---------|-----|-----------|---------------------------------|-----------------------|-----------------------|---------------------------------|-----|--------------|---------|
| 3900.00 | cut | bulk      | NDP                             | -                     | -                     | 0                               | -   | -            | 0298-0B |
| 4059.00 | cut | bulk      | 0.48                            | 10                    | 0.02                  | 0                               | -   | -            | 0311-0B |
| 4239.00 | cut | bulk      | NDP                             | -                     | -                     | 0                               | -   | -            | 0326-0B |
| 4368.00 | cut | bulk      | NDP                             | -                     | -                     | 0                               | -   | -            | 0337-0B |
| 4536.00 | cut | bulk      | 0.50                            | 11                    | 0.06                  | 5                               | -   | -            | 0351-0B |
| 4656.00 | cut | bulk      | NDP                             | -                     | -                     | 0                               | -   | -            | 0361-0B |
| 4812.00 | cut | bulk      | NDP                             | -                     | -                     | 0                               | -   | -            | 0378-0B |
| 4971.00 | cut | bulk      | NDP                             | -                     | -                     | 0                               | -   | -            | 0404-0B |

Table 8 : Visual Kerogen Composition Data for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology                 | L  | A  | L  | S  | C | D | I | S | I | M | S  | V  | C | V | A | Sample |   |    |   |   |    |   |   |         |  |
|---------|-----|---------------------------|----|----|----|----|---|---|---|---|---|---|----|----|---|---|---|--------|---|----|---|---|----|---|---|---------|--|
|         |     |                           | I  | m  | i  | p  | u | R | A | A | B | N | F  | e  | n | c | B |        | I | T  | o | i | m  | B |   |         |  |
|         |     |                           | P  | r  | D  | P  | i | s | g | o | r | t | E  | R  | s | F | D | r      | e | t  | R | l | l  | D | r | t       |  |
|         |     |                           | T  | r  | D  | P  | i | s | g | o | r | t | E  | R  | s | F | D | r      | e | t  | R | l | l  | D | r | t       |  |
|         |     |                           | %  | L  | t  | l  | l | n | e | l | t | L | %  | n  | s | t | n | o      | I | %  | n | n | t  | V | V |         |  |
| 1880.00 | cut | Sh/Clst: blk to brn blk   | 15 | ** | *  |    |   | * |   |   |   |   | 15 | *  | * |   |   |        |   | 70 |   | * | *  |   |   | 0032-1L |  |
| 2010.00 | cut | Sh/Clst: m gy to drk gy   | TR |    | ** |    |   | * |   |   |   |   | 5  |    | * |   |   |        |   | 95 | * | * | ** |   |   | 0058-5L |  |
| 2045.00 | cut | Sltst : brn gy            | 10 | *  | *  | *  | * | * | * |   |   |   | TR | *  | * | * |   |        |   | 90 | * | * | ** | ? |   | 0065-6L |  |
| 2085.00 | cut | Coal : blk                | 5  | *  | *  | ** | * | ? |   |   |   |   | 5  | *  |   |   |   |        |   | 90 | * |   | *  |   |   | 0073-7L |  |
| 2160.00 | cut | Sltst : brn gy            | 15 | ** | *  | *  |   | * | * |   |   |   | TR | *  |   | * |   |        |   | 85 | * |   | ** |   |   | 0088-5L |  |
| 2220.00 | cut | Coal : blk                | TR |    | *  | ** | ? |   |   |   |   |   | 15 | ** | * |   |   |        |   | 85 | * |   | ** |   |   | 0100-3L |  |
| 2300.00 | cut | Coal : blk to brn blk     | 5  | *  |    | ** | * |   |   |   |   |   | 10 | *  | * |   |   |        |   | 85 | * |   | ** |   |   | 0116-3L |  |
| 2395.00 | cut | Coal : blk to brn blk     | 10 | *  |    | ** | * | ? |   |   |   |   | 10 | ** | * |   |   |        |   | 80 | * |   | ** |   |   | 0135-3L |  |
| 2480.00 | cut | Coal : blk to brn blk     | 5  |    | *  | ** | ? | * |   |   |   |   | 15 | *  | * |   |   |        |   | 80 | * |   | *  |   |   | 0151-3L |  |
| 2598.00 | cut | Coal : blk to brn blk     | 10 | *  | ** | ** | * |   |   |   |   |   | 10 | ** | * |   |   |        |   | 80 | * |   | ** |   |   | 0172-2L |  |
| 2745.00 | cut | Sh/Clst: gy blk to drk gy | 20 |    | ** | ** | * | * |   |   |   |   | 10 | ** | * |   |   |        |   | 70 | * |   | ** |   |   | 0194-3L |  |
| 3396.00 | cut | Sh/Clst: gy blk           | 15 |    | *  | *  |   | * |   |   |   |   | 15 | *  | * |   |   |        |   | 70 | * | * | ** |   |   | 0258-4L |  |

Table 8 : Visual Kerogen Composition Data for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology     | L  | A | L | S | C | D  | I | S | I | M | S | V  | C | V | A  | Sample |    |   |   |   |   |   |         |
|---------|-----|---------------|----|---|---|---|---|----|---|---|---|---|---|----|---|---|----|--------|----|---|---|---|---|---|---------|
|         |     |               | %  | L | t | l | l | n  | e | l | t | L | % | n  | s | t | n  |        | o  | I | % | n | n | t | V       |
| 3888.00 | cut | Sh/Clst: m gy | 15 | * | * |   |   | ** |   |   |   |   |   | 75 | * |   | ** |        | 10 | * | * |   |   |   | 0297-2L |

Table 9a : Tabulation of carbon isotope data for EOM/Oil - fractions or Oils for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology        | EOM/Oil | Saturated | Aromatic | NSO    | Asphaltenes | Kerogen | Sample  |
|---------|-----|------------------|---------|-----------|----------|--------|-------------|---------|---------|
| 1885.00 | com | Composite sample | -       | -28.46    | -28.40   | -27.36 | -28.45      | -       | 0409-0B |
| 2270.00 | com | Composite sample | -       | -29.48    | -28.95   | -27.66 | -26.06      | -       | 0411-0B |
| 4984.20 | ccp |                  | -       | -28.26    | -27.05   | -26.73 | -26.82      | -       | 0417-1L |

Table 9b : Tabulation of cv values from carbon isotope data for well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Typ | Lithology        | Saturated | Aromatic | cv value | Sample  |
|---------|-----|------------------|-----------|----------|----------|---------|
| 1885.00 | com | Composite sample | -28.46    | -28.40   | -2.69    | 0409-0B |
| 2270.00 | com | Composite sample | -29.48    | -28.95   | -1.33    | 0411-0B |
| 4984.20 | ccp |                  | -28.26    | -27.05   | -0.20    | 0417-1L |

Table 10A: Variation in Triterpane Distribution (peak height) for Well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Lithology | B/A  | B/B+A | B     |      | C/E  | C/C+E | X/E  | Z/E  | Z/C  | Z/Z+E | Q/E  | E/E+F | C+D     |         | J1     |        | Sample |
|---------|-----------|------|-------|-------|------|------|-------|------|------|------|-------|------|-------|---------|---------|--------|--------|--------|
|         |           |      |       | B+E+F |      |      |       |      |      |      |       |      |       | C+D+E+F | D+F/C+E | J1+J2% |        |        |
| 1885.00 | Sh/Clst   | -    | 1.00  | 0.10  | 0.39 | 0.28 | -     | -    | -    | -    | 0.15  | 0.91 | 0.32  | 0.17    | -       | -      | 0409-0 |        |
| 2270.00 | Coal      | -    | 1.00  | 0.16  | 0.24 | 0.19 | -     | 0.03 | 0.11 | 0.02 | 0.01  | 0.84 | 0.34  | 0.47    | -       | -      | 0411-0 |        |
| 4984.20 | Sltst     | 2.95 | 0.75  | 0.12  | 0.77 | 0.43 | -     | 0.36 | 0.46 | 0.26 | 0.84  | 1.00 | 0.43  | -       | -       | -      | 0417-1 |        |

Table 10B: Variation in Sterane Distribution (peak height) for Well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Lithology | Ratio1 | Ratio2 | Ratio3 | Ratio4 | Ratio5 | Ratio6 | Ratio7 | Ratio8 | Ratio9 | Ratio10 | Sample |
|---------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 1885.00 | Sh/Clst   | 1.00   | -      | -      | -      | -      | 1.00   | 1.00   | -      | -      | -       | 0409-0 |
| 2270.00 | Coal      | 0.69   | -      | 71.51  | 0.46   | 1.00   | 0.30   | 0.27   | 0.56   | -      | 1.26    | 0411-0 |
| 4984.20 | Sltst     | -      | -      | -      | -      | -      | 1.00   | 1.00   | -      | -      | -       | 0417-1 |

Ratio1:  $a / a + j$   
 Ratio2:  $q / q + t * 100\%$   
 Ratio3:  $2(r + s) / (q + t + 2(r + s)) * 100\%$   
 Ratio4:  $a + b + c + d / h + k + l + n$   
 Ratio5:  $r + s / r + s + q$

Ratio6:  $u + v / u + v + q + r + s + t$   
 Ratio7:  $u + v / u + v + i + m + n + q + r + s + t$   
 Ratio8:  $r + s / q + r + s + t$   
 Ratio9:  $q / t$   
 Ratio10:  $r + s / t$

Table 10C: Raw GCMS triterpane data (peak height) for Well NOCS 6507/12-2

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    |      |      |        |        |
|         |           |       |       |      |      |      |      |       |      |      |        |        |
| 1885.00 | Sh/Clst   | 5.62  | 2.28  | 0.84 | 1.04 | 0.00 | 0.00 | 1.82  | 0.00 | 0.00 | 5.86   | 0409-0 |
|         |           | 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 | 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 | 0.00  | 0.00 | 0.00 | 0.00   |        |
| 2270.00 | Coal      | 4.91  | 1.61  | 1.57 | 4.00 | 0.00 | 0.00 | 72.43 | 8.07 | 0.00 | 76.83  | 0411-0 |
|         |           | 49.73 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00   |        |
|         |           | 49.73 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00   |        |
|         |           | 49.73 | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 | 0.00 | 0.00   |        |
| 4984.20 | Sltst     | 81.01 | 21.18 | 4.43 | 4.87 | 0.82 | 1.20 | 3.54  | 9.00 | 0.00 | 19.36  | 0417-1 |
|         |           | 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 | 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 | 0.00  | 0.00 | 0.00 | 0.00   |        |

Table 10D: Raw GCMS sterane data (peak height) for Well NOCS 6507/12-2

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     |      |      |      |       |        |        |  |   |  |   |  |  |
|         |           |       |      |       |       |       |      |      |      |       |        |        |  |   |  |   |  |  |
| 1885.00 | Sh/Clst   | 9.12  | 1.33 | 1.36  | 1.35  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  | 0.78   | 0409-0 |  |   |  |   |  |  |
|         |           | 0.00  | 0.00 | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  | 0.00   |        |  |   |  |   |  |  |
| 2270.00 | Coal      | 16.10 | 2.43 | 2.79  | 1.40  | 1.34  | 1.15 | 1.73 | 0.95 | 11.68 | 0411-0 |        |  |   |  |   |  |  |
|         |           | 0.99  | 0.00 | 11.85 | 11.85 | 18.88 | 0.87 | 0.00 | 4.37 | 3.37  |        |        |  |   |  |   |  |  |
| 4984.20 | Sltst     | 51.38 | 3.80 | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  | 0.00   | 0417-1 |  |   |  |   |  |  |
|         |           | 0.00  | 0.00 | 0.00  | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00  | 0.00   |        |  |   |  |   |  |  |

Table 10E: Variation in Monoaromatic Sterane Distribution for Well NOCS 6507/12-2

Depth unit of measure: m

| <u>Depth</u> | <u>Lithology</u> | <u>Ratio1</u> | <u>Ratio2</u> | <u>Ratio3</u> | <u>Ratio4</u> | <u>Sample</u> |
|--------------|------------------|---------------|---------------|---------------|---------------|---------------|
| 1885.00      | Sh/Clst          | 0.27          | 0.10          | 0.14          | 0.13          | 0409-0        |
| 2270.00      | Coal             | 0.46          | 0.35          | 0.14          | 0.08          | 0411-0        |
| 4984.20      | Sltst            | 0.72          | 0.36          | 0.52          | 0.38          | 0417-1        |

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

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

Table 10F: Variation in Triaromatic Sterane Distribution for Well NOCS 6507/12-2

Depth unit of measure: m

| <u>Depth</u> | <u>Lithology</u> | <u>Ratio1</u> | <u>Ratio2</u> | <u>Ratio3</u> | <u>Ratio4</u> | <u>Ratio5</u> | <u>Sample</u> |
|--------------|------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1885.00      | Sh/Clst          | 0.97          | 0.93          | 0.73          | 0.84          | 0.78          | 0409-0        |
| 2270.00      | Coal             | 1.00          | 1.00          | 0.68          | 0.75          | 0.76          | 0411-0        |
| 4984.20      | Sltst            | 0.62          | 0.69          | 0.38          | 0.30          | 0.41          | 0417-1        |

Ratio1:  $a1 / a1 + g1$

Ratio2:  $b1 / b1 + g1$

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

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

Ratio5:  $a1 / a1 + d1$

Table 10G: Aromatisation of Steranes for Well NOCS 6507/12-2

Depth unit of measure: m

| <u>Depth</u> | <u>Lithology</u> | <u>Ratio1</u> | <u>Ratio2</u> | <u>Sample</u> |
|--------------|------------------|---------------|---------------|---------------|
| 1885.00      | Sh/Clst          | 0.91          | 0.33          | 0409-0        |
| 2270.00      | Coal             | 0.94          | -             | 0411-0        |
| 4984.20      | Sltst            | 0.70          | 0.32          | 0417-1        |

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

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

Table 10H: Raw GCMS monoaromatic sterane data (peak height) for Well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Lithology | a1    | b1    | c1   | d1    | e1    | f1    | g1     | h1     | i1     | Sample |
|---------|-----------|-------|-------|------|-------|-------|-------|--------|--------|--------|--------|
| 1885.00 | Sh/Clst   | 15.44 | 4.68  | 5.34 | 3.22  | 41.71 | 1.80  | 53.42  | 21.95  | 1.65   | 0409-0 |
| 2270.00 | Coal      | 25.88 | 16.52 | 9.43 | 10.10 | 30.60 | 10.65 | 122.91 | 114.61 | 170.82 | 0411-0 |
| 4984.20 | Sltst     | 0.78  | 0.17  | 0.17 | 0.23  | 0.30  | 0.00  | 0.43   | 0.22   | 0.23   | 0417-1 |

Table 10I: Raw GCMS trioaromatic sterane data (peak height) for Well NOCS 6507/12-2

Depth unit of measure: m

| Depth   | Lithology | a1    | b1    | c1   | d1    | e1   | f1   | g1   | Sample |
|---------|-----------|-------|-------|------|-------|------|------|------|--------|
| 1885.00 | Sh/Clst   | 22.43 | 10.21 | 2.02 | 6.16  | 1.51 | 1.86 | 0.80 | 0409-0 |
| 2270.00 | Coal      | 39.23 | 23.05 | 3.70 | 12.11 | 7.56 | 5.29 | 0.00 | 0411-0 |
| 4984.20 | Sltst     | 0.18  | 0.24  | 0.00 | 0.26  | 0.17 | 0.15 | 0.11 | 0417-1 |