

**General information**

|                                    |                                    |
|------------------------------------|------------------------------------|
| Wellbore name                      | 31/3-2                             |
| Type                               | EXPLORATION                        |
| Purpose                            | APPRAISAL                          |
| Status                             | P&A                                |
| Factmaps in new window             | <a href="#">link to map</a>        |
| Main area                          | NORTH SEA                          |
| Field                              | <a href="#">TROLL</a>              |
| Discovery                          | <a href="#">31/6-1 (Troll Øst)</a> |
| Well name                          | 31/3-2                             |
| Seismic location                   | ST 8007 - 338 A SP. 204.5          |
| Production licence                 | <a href="#">085</a>                |
| Drilling operator                  | Norsk Hydro Produksjon AS          |
| Drill permit                       | 403-L                              |
| Drilling facility                  | <a href="#">TREASURE SEEKER</a>    |
| Drilling days                      | 57                                 |
| Entered date                       | 05.03.1984                         |
| Completed date                     | 30.04.1984                         |
| Release date                       | 30.04.1986                         |
| Publication date                   | 06.06.2006                         |
| Purpose - planned                  | APPRAISAL                          |
| Reentry                            | NO                                 |
| Content                            | OIL/GAS                            |
| Discovery wellbore                 | NO                                 |
| 1st level with HC, age             | LATE JURASSIC                      |
| 1st level with HC, formation       | SOGNEFJORD FM                      |
| Kelly bushing elevation [m]        | 25.0                               |
| Water depth [m]                    | 340.0                              |
| Total depth (MD) [m RKB]           | 2090.0                             |
| Final vertical depth (TVD) [m RKB] | 2090.0                             |
| Maximum inclination [°]            | 1.4                                |
| Bottom hole temperature [°C]       | 73                                 |
| Oldest penetrated age              | EARLY JURASSIC                     |
| Oldest penetrated formation        | DRAKE FM                           |
| Geodetic datum                     | ED50                               |
| NS degrees                         | 60° 52' 11.41" N                   |
| EW degrees                         | 3° 40' 41.79" E                    |
| NS UTM [m]                         | 6748639.40                         |
| EW UTM [m]                         | 536836.48                          |



|                |     |
|----------------|-----|
| UTM zone       | 31  |
| NPDID wellbore | 100 |

**Wellbore history**

**General**

Well 31/3-2 was drilled immediately to the southeast of a fault that was interpreted as a boundary fault between Troll West and Troll East. The main objectives of the appraisal well 31/3-2 were to determine if hydrocarbons were present on the downthrown south side of the fault, to determine the contacts, and to determine the degree of communication across the fault plane. A test would be performed in the case of moveable hydrocarbons, in order to observe boundary effects where the pay zone is narrow and thin. The well was planned to reach total depth in the Early Jurassic Drake Formation at 2050 m if drilling through the "boundary fault". In the case of drilling entirely within the hanging-wall block the total depth was estimated to 2130 m.

**Operations and results**

Well 31/3-2 was spudded with the semi-submersible installation Treasure Seeker on 5 March 1984 and drilled to TD at 2090 m in claystones of the Early Jurassic Drake Formation. No significant technical problems occurred during drilling and testing. The well was drilled with pre-hydrated gel/seawater with sweeps of high viscous mud down to 629 m and with KCl/polymer mud from 629 m to TD.

The Sognefjord Formation (1567 - 1706 m) was found oil bearing down to 1578.5 m where the oil/water contact was established. The oil-bearing reservoir consisted of very fine to very coarse-grained sandstones. They are friable to loose with only traces of siliceous or calcareous cement. The total net sand in the Sognefjord Formation was calculated to 132 m out of 139 m gross thickness, giving a net/gross ratio of 0.95 and an average porosity of 26.6%. A thin (0.5 m) gas cap could be present on top of the oil column. This was identified from LDT/CNL logs and was also consistent with the GOR development during the test, but was not confirmed by RFT data. There were no oil shows above the Sognefjord Formation, and no oil shows below 1595 m, and the Middle to Early Jurassic sandstones was found water bearing.

Evidence from seismic interpretations, dip meter analysis, and subsequent geometrical considerations indicated that well 31/3-2 penetrated the "boundary fault" at top Brent Group level, between 1940 and 1955 m. In this zone two calcite cemented bands were encountered thought to be associated with the fault plane. The OWC was found to be 3.5 m shallower than in well 31/2-6, but the pressure data from wells in the area did not have sufficient reproducibility and resolution to support different pressure regimes in the different compartments.

Five cores were cut between 1565 m and 1640 m from the lower part of the Draupne Formation and into the Sognefjord Formation. RFT pressure recordings and sampling were performed in the reservoir interval and pressure tests were also made in sand intervals in the underlying formations with the deepest point in the Drake Formation (Dunlin Group). Segregated RFT fluid samples were recovered from 1567.6 m (two samplings, one with oil and one with gas and oil), 1576 m (mud filtrate and water), and 1577.8 m (mud filtrate with trace oil and gas),

The well was permanently abandoned on 30 April 1984 as a gas and oil appraisal.

**Testing**

One production test was performed over the interval 1567 - 1577 m in the oil zone at the top of the Sognefjord Formation. The test produced 1271.9 Sm<sup>3</sup>/day of 27.5 deg. API oil together with 562588 Sm<sup>3</sup>/day of gas with gravity 0.620 (air = 1). The choke size was 63.5 mm. The GOR was 442 Sm<sup>3</sup>/Sm<sup>3</sup> and the CO<sub>2</sub> content was 1.0%. The pore pressure at the top of the reservoir was measured to be 158.15 bara (2293.8 psi). The temperature measured during the test was 69.5 deg. C.



### Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|-------------------------------|-----------------------------------|
| 460.00                        | 2090.00                           |

|                                  |     |
|----------------------------------|-----|
| Cuttings available for sampling? | YES |
|----------------------------------|-----|

### Cores at the Norwegian Offshore Directorate

| Core sample number | Core sample - top depth | Core sample - bottom depth | Core sample depth - uom |
|--------------------|-------------------------|----------------------------|-------------------------|
| 1                  | 1565.0                  | 1575.5                     | [m ]                    |
| 2                  | 1581.0                  | 1590.7                     | [m ]                    |
| 3                  | 1593.0                  | 1606.3                     | [m ]                    |
| 4                  | 1608.0                  | 1626.0                     | [m ]                    |
| 5                  | 1626.0                  | 1639.9                     | [m ]                    |

|                               |      |
|-------------------------------|------|
| Total core sample length [m]  | 65.3 |
| Cores available for sampling? | YES  |

### Core photos



1565-1570m



1570-1575m



1575-1576m



1581-1586m



1586-1590m



1593-1598m



1598-1603m



1603-1606m



1608-1613m



1613-1618m



1618-1623m



1623-1626m



1626-1631m



1631-1636m



1626-1639m

**Palynological slides at the Norwegian Offshore Directorate**

| Sample depth | Depth unit | Sample type | Laboratory |
|--------------|------------|-------------|------------|
| 700.0        | [m]        | DC          | RRI        |
| 720.0        | [m]        | DC          | RRI        |
| 740.0        | [m]        | DC          | RRI        |
| 760.0        | [m]        | DC          | RRI        |
| 780.0        | [m]        | DC          | RRI        |
| 800.0        | [m]        | DC          | RRI        |
| 820.0        | [m]        | DC          | RRI        |
| 880.0        | [m]        | DC          | RRI        |
| 940.0        | [m]        | DC          | RRI        |
| 960.0        | [m]        | DC          | RRI        |
| 980.0        | [m]        | DC          | RRI        |
| 1000.0       | [m]        | DC          | RRI        |
| 1020.0       | [m]        | DC          | RRI        |
| 1040.0       | [m]        | DC          | RRI        |
| 1060.0       | [m]        | DC          | RRI        |
| 1080.0       | [m]        | DC          | RRI        |
| 1100.0       | [m]        | DC          | RRI        |
| 1120.0       | [m]        | DC          | RRI        |
| 1140.0       | [m]        | DC          | RRI        |
| 1160.0       | [m]        | DC          | RRI        |
| 1180.0       | [m]        | DC          | RRI        |
| 1200.0       | [m]        | DC          | RRI        |
| 1220.0       | [m]        | DC          | RRI        |
| 1240.0       | [m]        | DC          | RRI        |
| 1260.0       | [m]        | DC          | RRI        |
| 1280.0       | [m]        | DC          | RRI        |
| 1300.0       | [m]        | DC          | RRI        |
| 1320.0       | [m]        | DC          | RRI        |
| 1340.0       | [m]        | DC          | RRI        |
| 1360.0       | [m]        | DC          | RRI        |
| 1380.0       | [m]        | DC          | RRI        |
| 1400.0       | [m]        | DC          | RRI        |
| 1420.0       | [m]        | DC          | RRI        |
| 1440.0       | [m]        | DC          | RRI        |
| 1460.0       | [m]        | DC          | RRI        |



|            |    |     |
|------------|----|-----|
| 1480.0 [m] | DC | RRI |
| 1565.0 [m] | C  | OD  |
| 1566.0 [m] | C  | OD  |
| 1567.0 [m] | C  | OD  |
| 1569.0 [m] | DC | OD  |
| 1571.0 [m] | DC | OD  |
| 1575.0 [m] | C  | OD  |
| 1582.5 [m] | C  | OD  |
| 1583.5 [m] | C  | OD  |
| 1584.7 [m] | C  | OD  |
| 1588.0 [m] | C  | OD  |
| 1590.3 [m] | C  | OD  |
| 1593.0 [m] | C  | OD  |
| 1597.5 [m] | C  | OD  |
| 1600.8 [m] | C  | OD  |
| 1610.8 [m] | C  | OD  |
| 1610.9 [m] | C  | OD  |
| 1613.2 [m] | C  | OD  |
| 1613.6 [m] | C  | OD  |
| 1614.6 [m] | C  | OD  |
| 1614.7 [m] | C  | OD  |
| 1615.5 [m] | C  | OD  |
| 1616.0 [m] | C  | OD  |
| 1616.1 [m] | C  | OD  |
| 1617.0 [m] | C  | OD  |
| 1618.0 [m] | C  | OD  |
| 1618.2 [m] | C  | OD  |
| 1618.8 [m] | C  | OD  |
| 1620.1 [m] | C  | OD  |
| 1622.2 [m] | C  | OD  |
| 1624.5 [m] | C  | OD  |
| 1626.0 [m] | C  | OD  |

### Lithostratigraphy

| Top depth<br>[mMD RKB] | Lithostrat. unit               |
|------------------------|--------------------------------|
| 365                    | <a href="#">NORDLAND GP</a>    |
| 540                    | <a href="#">HORDALAND GP</a>   |
| 540                    | <a href="#">NO FORMAL NAME</a> |



|      |                                 |
|------|---------------------------------|
| 605  | <a href="#">NO FORMAL NAME</a>  |
| 1121 | <a href="#">ROGALAND GP</a>     |
| 1121 | <a href="#">BALDER FM</a>       |
| 1194 | <a href="#">SELE FM</a>         |
| 1280 | <a href="#">LISTA FM</a>        |
| 1452 | <a href="#">VÅLE FM</a>         |
| 1471 | <a href="#">SHETLAND GP</a>     |
| 1533 | <a href="#">CROMER KNOLL GP</a> |
| 1533 | <a href="#">MIME FM</a>         |
| 1541 | <a href="#">VIKING GP</a>       |
| 1541 | <a href="#">DRAUPNE FM</a>      |
| 1567 | <a href="#">SOGNEFJORD FM</a>   |
| 1706 | <a href="#">HEATHER FM</a>      |
| 1725 | <a href="#">FENSFJORD FM</a>    |
| 1851 | <a href="#">KROSSFJORD FM</a>   |
| 1929 | <a href="#">HEATHER FM</a>      |
| 1939 | <a href="#">BRENT GP</a>        |
| 1939 | <a href="#">TARBERT FM</a>      |
| 1952 | <a href="#">NESS FM</a>         |
| 1966 | <a href="#">ETIVE FM</a>        |
| 2006 | <a href="#">DUNLIN GP</a>       |
| 2006 | <a href="#">DRAKE FM</a>        |

**Composite logs**

| Document name       | Document format | Document size [MB] |
|---------------------|-----------------|--------------------|
| <a href="#">100</a> | pdf             | 0.32               |

**Geochemical information**

| Document name         | Document format | Document size [MB] |
|-----------------------|-----------------|--------------------|
| <a href="#">100_1</a> | pdf             | 0.33               |
| <a href="#">100_2</a> | pdf             | 3.30               |

**Documents - older Norwegian Offshore Directorate WDSS reports and other related documents**





| Document name                                   | Document format | Document size [MB] |
|-------------------------------------------------|-----------------|--------------------|
| <a href="#">100 01 WDSS General Information</a> | pdf             | 0.18               |
| <a href="#">100 02 WDSS completion log</a>      | pdf             | 0.21               |

**Documents - reported by the production licence (period for duty of secrecy expired)**

| Document name                                                                      | Document format | Document size [MB] |
|------------------------------------------------------------------------------------|-----------------|--------------------|
| <a href="#">100 01 31 3 2 Completion repor and Com<br/>petion log</a>              | pdf             | 13.56              |
| <a href="#">100 01 31 3 2 Final Well Report by Exlog</a>                           | pdf             | 5.88               |
| <a href="#">100 02 31 3 2 Drilling program</a>                                     | pdf             | 3.26               |
| <a href="#">100 02 31 3 2 Prospect descr.and prognos<br/>is</a>                    | pdf             | 2.30               |
| <a href="#">100 02 31 3 2 Prospect descr and progn<br/>sis encl 1</a>              | pdf             | 0.52               |
| <a href="#">100 02 31 3 2 Prospect descr and progn<br/>sis encl 2</a>              | pdf             | 9.51               |
| <a href="#">100 02 31 3 2 Prospect descr and progn<br/>sis encl 3</a>              | pdf             | 8.08               |
| <a href="#">100 02 31 3 2 Prospect descr and progn<br/>sis encl 4</a>              | pdf             | 0.38               |
| <a href="#">100 02 31 3 2 Prospect descr and progn<br/>sis encl 5(7)</a>           | pdf             | 0.24               |
| <a href="#">100 03 31 3 2 Biostrat. kerogen analysis<br/>by Stratlab</a>           | pdf             | 10.30              |
| <a href="#">100 03 31 3 2 Formation resistivity meas</a>                           | pdf             | 0.27               |
| <a href="#">100 03 31 3 2 Grain size distr.analysis</a>                            | pdf             | 0.68               |
| <a href="#">100 03 31 3 2 Historie-<br/>tilpasning by Statoil</a>                  | pdf             | 0.97               |
| <a href="#">100 03 31 3 2 Hydrocarbon characterisatio<br/>n</a>                    | pdf             | 3.55               |
| <a href="#">100 03 31 3 2 Permeability thin section</a>                            | pdf             | 0.12               |
| <a href="#">100 03 31 3 2 Petrophysical evaluation</a>                             | pdf             | 1.97               |
| <a href="#">100 03 31 3 2 Petrophysical evaluation en<br/>cl 1</a>                 | pdf             | 0.71               |
| <a href="#">100 04 31 3 2 Core gamma surface log</a>                               | pdf             | 0.15               |
| <a href="#">100 04 31 3 2 Routine core analysis</a>                                | pdf             | 1.79               |
| <a href="#">100 05 31 3 2 31 3 2 High acc.press.tem<br/>p.meas 82816 Flopetrol</a> | pdf             | 4.43               |
| <a href="#">100 05 31 3 2 Drillsteam test report</a>                               | pdf             | 8.08               |
| <a href="#">100 05 31 3 2 High<br/>acc.press.temp.meas 82816 encl 1</a>            | pdf             | 0.16               |





|                                                                            |     |       |
|----------------------------------------------------------------------------|-----|-------|
| <a href="#">100 05 31 3 2 High acc.press.temp.meas 82802 Flopetrol</a>     | pdf | 6.25  |
| <a href="#">100 05 31 3 2 Oil test program</a>                             | pdf | 2.30  |
| <a href="#">100 05 31 3 2 Pressure survey report</a>                       | pdf | 2.40  |
| <a href="#">100 05 31 3 2 Production test report</a>                       | pdf | 1.39  |
| <a href="#">100 05 31 3 2 PVT Analyse av olje fra Tr oll</a>               | pdf | 1.40  |
| <a href="#">100 05 31 3 2 Repeated formation tester</a>                    | pdf | 0.30  |
| <a href="#">100 05 31 3 2 Results and implications</a>                     | pdf | 1.28  |
| <a href="#">100 05 31 3 2 Results and implications en cl 1</a>             | pdf | 0.17  |
| <a href="#">100 05 31 3 2 Results of the quality by Oilplus</a>            | pdf | 2.86  |
| <a href="#">100 05 31 3 2 Sampling report</a>                              | pdf | 1.68  |
| <a href="#">100 05 31 3 2 SDP CRG press.and temp.s urvey0 by Flopetrol</a> | pdf | 10.05 |
| <a href="#">100 05 31 3 2 SDP CRG press.and temp.s urvey 29C Flopetrol</a> | pdf | 10.28 |
| <a href="#">100 05 31 3 2 SDP CRG press.and temp.s urvey 29C encl 1</a>    | pdf | 0.13  |
| <a href="#">100 05 31 3 2 SDP CRG press.and temp.s urvey 29E encl 1</a>    | pdf | 0.16  |
| <a href="#">100 05 31 3 2 SDP CRG press.and temp.s urvey 29E encl 2</a>    | pdf | 0.14  |
| <a href="#">100 05 31 3 2 SDP CRG press.and temp.s urvey 29E Flopetrol</a> | pdf | 9.98  |
| <a href="#">100 05 31 3 2 SDP CRG press.and temp.s urvey encl 1</a>        | pdf | 0.12  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one</a>                | pdf | 0.24  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 1</a>         | pdf | 0.38  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 10</a>        | pdf | 0.42  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 11</a>        | pdf | 0.44  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 12</a>        | pdf | 0.34  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 13</a>        | pdf | 0.28  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 14</a>        | pdf | 0.40  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 15</a>        | pdf | 0.39  |
| <a href="#">100 07 31 3 2 Borehole geoph.well Geoph one encl 16</a>        | pdf | 0.26  |





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|---------------------------------------------------------------------|-----|------|
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_17</a> | pdf | 0.28 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_18</a> | pdf | 0.17 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_19</a> | pdf | 0.35 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_2</a>  | pdf | 1.09 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_20</a> | pdf | 0.31 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_21</a> | pdf | 0.39 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_22</a> | pdf | 0.38 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_23</a> | pdf | 0.31 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_24</a> | pdf | 0.32 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_25</a> | pdf | 0.19 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_26</a> | pdf | 0.16 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_27</a> | pdf | 0.14 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_28</a> | pdf | 0.14 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_29</a> | tif | 0.14 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_3</a>  | pdf | 0.03 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_4</a>  | pdf | 0.04 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_5</a>  | pdf | 0.82 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_6</a>  | pdf | 1.06 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_7</a>  | pdf | 3.81 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_8</a>  | pdf | 3.34 |
| <a href="#">100_07_31_3_2_Borehole_geoph.well_Geoph one_encl_9</a>  | pdf | 0.09 |

**Drill stem tests (DST)**





| Test number | From depth MD [m] | To depth MD [m] | Choke size [mm] |
|-------------|-------------------|-----------------|-----------------|
| 1.0         | 1567              | 1577            | 63.5            |

| Test number | Final shut-in pressure [MPa] | Final flow pressure [MPa] | Bottom hole pressure [MPa] | Downhole temperature [°C] |
|-------------|------------------------------|---------------------------|----------------------------|---------------------------|
| 1.0         |                              |                           |                            | 60                        |

| Test number | Oil [Sm3/day] | Gas [Sm3/day] | Oil density [g/cm3] | Gas grav. rel.air | GOR [m3/m3] |
|-------------|---------------|---------------|---------------------|-------------------|-------------|
| 1.0         | 1272          | 563000        | 0.890               | 0.620             | 442         |

## Logs

| Log type           | Log top depth [m] | Log bottom depth [m] |
|--------------------|-------------------|----------------------|
| CBL VDL            | 610               | 1499                 |
| CBL VDL            | 1390              | 1705                 |
| CBL VDL            | 1400              | 1736                 |
| CET GR             | 1385              | 1702                 |
| CST                | 1040              | 1494                 |
| CST                | 1505              | 1979                 |
| CST                | 1750              | 2087                 |
| DLL MSFL GR SP CAL | 1502              | 1639                 |
| HDT                | 610               | 1492                 |
| ISF LSS GR SP      | 451               | 622                  |
| ISF LSS GR SP      | 610               | 1491                 |
| ISF LSS GR SP      | 1502              | 2085                 |
| LDT CNL CAL GR     | 451               | 624                  |
| LDT CNL CAL GR     | 610               | 1493                 |
| LDT CNL CAL GR     | 1502              | 1639                 |
| LDT CNL CAL GR     | 1502              | 2086                 |
| RFT                | 1567              | 1567                 |
| RFT                | 1567              | 1725                 |
| RFT                | 1567              | 1567                 |
| RFT                | 1576              | 1576                 |
| RFT                | 1577              | 1577                 |
| RFT                | 1725              | 2022                 |
| SHDT               | 1502              | 2087                 |



|       |      |      |
|-------|------|------|
| VSP-O | 1000 | 2075 |
|-------|------|------|

**Casing and leak-off tests**

| Casing type | Casing diam.<br>[inch] | Casing depth<br>[m] | Hole diam.<br>[inch] | Hole depth<br>[m] | LOT/FIT mud<br>eqv.<br>[g/cm3] | Formation test<br>type |
|-------------|------------------------|---------------------|----------------------|-------------------|--------------------------------|------------------------|
| CONDUCTOR   | 30                     | 451.0               | 36                   | 451.0             | 0.00                           | LOT                    |
| SURF.COND.  | 20                     | 609.0               | 26                   | 625.0             | 1.45                           | LOT                    |
| INTERM.     | 13 3/8                 | 1502.0              | 17 1/2               | 1515.0            | 1.56                           | LOT                    |
| INTERM.     | 9 5/8                  | 1805.0              | 12 1/4               | 2090.0            | 0.00                           | LOT                    |

**Drilling mud**

| Depth<br>MD [m] | Mud<br>weight<br>[g/cm3] | Visc.<br>[mPa.s] | Yield point<br>[Pa] | Mud type    | Date<br>measured |
|-----------------|--------------------------|------------------|---------------------|-------------|------------------|
| 460             | 1.06                     |                  |                     | WATER BASED |                  |
| 560             | 1.37                     | 11.0             |                     | WATER BASED |                  |
| 650             | 1.20                     | 18.0             |                     | WATER BASED |                  |
| 1250            | 1.25                     | 19.0             |                     | WATER BASED |                  |
| 1355            | 1.30                     | 18.0             |                     | WATER BASED |                  |
| 1650            | 1.22                     | 40.0             |                     | WATER BASED |                  |

**Pressure plots**

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

| Document name                                            | Document<br>format | Document size<br>[MB] |
|----------------------------------------------------------|--------------------|-----------------------|
| <a href="#">100 Formation pressure (Formasjonstrykk)</a> | pdf                | 0.19                  |

