## General information

| | |
|---|---|
| Wellbore name | 6608/11-5 |
| Type | EXPLORATION |
| Purpose | WILDCAT |
| Status | P&A |
| Press release | link to press release |
| Factmaps in new window | link to map |
| Main area | NORWEGIAN SEA |
| Well name | 6608/11-5 |
| Seismic location | ST04M17-linje 1244 & trase 3788 |
| Production licence | 128 |
| Drilling operator | Statoil ASA (old) |
| Drill permit | 1114-L |
| Drilling facility | OCEAN VANGUARD |
| Drilling days | 27 |
| Entered date | 18.06.2006 |
| Completed date | 14.07.2006 |
| Release date | 14.07.2008 |
| Publication date | 15.08.2008 |
| Purpose - planned | WILDCAT |
| Reentry | NO |
| Content | SHOWS |
| Discovery wellbore | NO |
| Kelly bushing elevation [m] | 22.0 |
| Water depth [m] | 342.5 |
| Total depth (MD) [m RKB] | 2270.0 |
| Final vertical depth (TVD) [m RKB] | 2269.0 |
| Maximum inclination [°] | 2.4 |
| Bottom hole temperature [°C] | 85 |
| Oldest penetrated age | LATE TRIASSIC |
| Oldest penetrated formation | RED BEDS (INFORMAL) |
| Geodetic datum | ED50 |
| NS degrees | 66° 11' 9.57'' N |
| EW degrees | 8° 28' 50.39'' E |
| NS UTM [m] | 7340924.85 |
| EW UTM [m] | 476599.92 |
| UTM zone | 32 |
| NPDID wellbore | 5316 |

## Wellbore history

Wildcat well 6608/11-5 is located 2.7 km southeast of the 6608/11-4 Linerle Discovery, on an up-thrown horst block compared to the Linerle discovery, NNE of the Norne field. The objective of the well was to prove oil in the Early Jurassic Åre Formation and in the Triassic Grey Beds.

**Operations and results**

Well 6608/11-5 was spudded with the semi-submersible installation Ocean Vanguard on 18 June 2006 and drilled to TD at 2270 m in the Late Triassic Red Beds. No significant technical problems occurred during operations. The well was drilled with seawater/polymer/bentonite and returns to seafloor down to 1305 m. From 1305 m to TD the well was drilled with Glydril water based mud with 99% KCl. No shallow gas was observed.

The observed stratigraphy was close to the prognosis, except for the presences of the Tang Formation, which is part of the Rogaland Group, and the Springar Formation, which is part of the Shetland Group. The latter interval (Late Cretaceous) was not expected to be present at the location. Only traces of hydrocarbons were seen in the well. No direct fluorescence was seen in the core chips. Slow, very weak, yellowish, milky white cut fluorescence was observed in sandstones of the cored interval from 1559 -1563 m MD and 1568-1571.8 m in the Åre Formation. No direct or cut fluorescence was observed in the sandstones of the interval from 2250 m MD to 2270 m in the Triassic.

One core was cut in this well, from 1559 to 1574 m in the Åre Formation. MDT water samples were attempted collected in the Åre Formation, Grey Beds and Red Beds. No sample from the Åre Formation was obtained. A sample from 1697.5 m in the Red Beds gave a sample that was relatively un-contaminated (estimated 7.2% contamination).

The well was permanently abandoned on 14 July 2006 as a dry well with weak shows.

**Testing**

No drill stem test was performed.

## Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|---|---|
| 1310.00 | 2270.00 |

| | |
|---|---|
| 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 | 1559.0 | 1571.8 | [m ] |

| | |
|---|---|
| Total core sample length [m] | 12.8 |

| | |
|---|---|
| Cores available for sampling? | YES |

**Palynological slides at the Norwegian Offshore Directorate**

| Sample depth | Depth unit | Sample type | Laboratory |
|---|---|---|---|
| 1310.0 | [m] | DC | FUGRO |
| 1320.0 | [m] | DC | FUGRO |
| 1330.0 | [m] | DC | FUGRO |
| 1340.0 | [m] | DC | FUGRO |
| 1350.0 | [m] | DC | FUGRO |
| 1360.0 | [m] | DC | FUGRO |
| 1370.0 | [m] | DC | FUGRO |
| 1380.0 | [m] | DC | FUGRO |
| 1390.0 | [m] | DC | FUGRO |
| 1400.0 | [m] | DC | FUGRO |
| 1410.0 | [m] | DC | FUGRO |
| 1420.0 | [m] | DC | FUGRO |
| 1430.0 | [m] | DC | FUGRO |
| 1440.0 | [m] | DC | FUGRO |
| 1450.0 | [m] | DC | FUGRO |
| 1455.0 | [m] | DC | FUGRO |
| 1473.0 | [m] | DC | FUGRO |
| 1482.0 | [m] | DC | FUGRO |
| 1491.0 | [m] | DC | FUGRO |
| 1500.0 | [m] | DC | FUGRO |
| 1503.0 | [m] | DC | FUGRO |
| 1506.0 | [m] | DC | FUGRO |
| 1509.0 | [m] | DC | FUGRO |
| 1512.0 | [m] | DC | FUGRO |
| 1515.0 | [m] | DC | FUGRO |
| 1518.0 | [m] | DC | FUGRO |
| 1521.0 | [m] | DC | FUGRO |
| 1524.0 | [m] | DC | FUGRO |
| 1527.0 | [m] | DC | FUGRO |
| 1530.0 | [m] | DC | FUGRO |
| 1533.0 | [m] | DC | FUGRO |
| 1536.0 | [m] | DC | FUGRO |
| 1539.0 | [m] | DC | FUGRO |
| 1542.0 | [m] | DC | FUGRO |

| | | | |
|---|---|---|---|
| 1545.0 | [m] | DC | FUGRO |
| 1548.0 | [m] | DC | FUGRO |
| 1551.0 | [m] | DC | FUGRO |
| 1554.0 | [m] | DC | FUGRO |
| 1557.0 | [m] | DC | FUGRO |
| 1559.0 | [m] | DC | FUGRO |
| 1560.0 | [m] | DC | FUGRO |
| 1561.2 | [m] | C | FUGRO |
| 1562.7 | [m] | C | FUGRO |
| 1563.7 | [m] | C | FUGRO |
| 1564.5 | [m] | C | FUGRO |
| 1565.7 | [m] | C | FUGRO |
| 1566.9 | [m] | C | FUGRO |
| 1567.9 | [m] | C | FUGRO |
| 1568.5 | [m] | C | FUGRO |
| 1569.5 | [m] | C | FUGRO |
| 1570.9 | [m] | C | FUGRO |
| 1571.7 | [m] | C | FUGRO |
| 1572.0 | [m] | C | FUGRO |
| 1575.0 | [m] | C | FUGRO |
| 1578.0 | [m] | C | FUGRO |
| 1581.0 | [m] | C | FUGRO |
| 1584.0 | [m] | C | FUGRO |
| 1587.0 | [m] | C | FUGRO |
| 1590.0 | [m] | C | FUGRO |
| 1593.0 | [m] | C | FUGRO |
| 1596.0 | [m] | C | FUGRO |
| 1599.0 | [m] | C | FUGRO |
| 1602.0 | [m] | C | FUGRO |
| 1605.0 | [m] | C | FUGRO |
| 1608.0 | [m] | C | FUGRO |
| 1611.0 | [m] | C | FUGRO |
| 1614.0 | [m] | C | FUGRO |
| 1617.0 | [m] | C | FUGRO |
| 1620.0 | [m] | C | FUGRO |
| 1623.0 | [m] | C | FUGRO |
| 1626.0 | [m] | C | FUGRO |
| 1629.0 | [m] | C | FUGRO |
| 1632.0 | [m] | C | FUGRO |
| 1635.0 | [m] | C | FUGRO |

| | | | |
|---|---|---|---|
| 1638.0 | [m] | C | FUGRO |
| 1641.0 | [m] | C | FUGRO |
| 1644.0 | [m] | C | FUGRO |
| 1647.0 | [m] | C | FUGRO |
| 1650.0 | [m] | C | FUGRO |
| 1653.0 | [m] | C | FUGRO |
| 1656.0 | [m] | C | FUGRO |
| 1662.0 | [m] | C | FUGRO |
| 1674.0 | [m] | C | FUGRO |
| 1686.0 | [m] | C | FUGRO |
| 1692.0 | [m] | C | FUGRO |
| 1698.0 | [m] | C | FUGRO |
| 1704.0 | [m] | C | FUGRO |
| 1710.0 | [m] | C | FUGRO |
| 1716.0 | [m] | C | FUGRO |
| 1722.0 | [m] | C | FUGRO |
| 1728.0 | [m] | C | FUGRO |
| 1734.0 | [m] | C | FUGRO |
| 1740.0 | [m] | C | FUGRO |
| 1746.0 | [m] | C | FUGRO |
| 1749.0 | [m] | C | FUGRO |
| 1752.0 | [m] | C | FUGRO |
| 1764.0 | [m] | C | FUGRO |
| 1770.0 | [m] | C | FUGRO |
| 1776.0 | [m] | C | FUGRO |
| 1782.0 | [m] | C | FUGRO |
| 1788.0 | [m] | C | FUGRO |
| 1794.0 | [m] | C | FUGRO |
| 1800.0 | [m] | C | FUGRO |
| 1806.0 | [m] | C | FUGRO |
| 1812.0 | [m] | C | FUGRO |
| 1818.0 | [m] | C | FUGRO |
| 1824.0 | [m] | C | FUGRO |
| 1830.0 | [m] | C | FUGRO |
| 1836.0 | [m] | C | FUGRO |
| 1842.0 | [m] | C | FUGRO |
| 1848.0 | [m] | C | FUGRO |
| 1854.0 | [m] | C | FUGRO |
| 1860.0 | [m] | C | FUGRO |
| 1866.0 | [m] | C | FUGRO |

| | | | |
|---|---|---|---|
| 1872.0 | [m] | C | FUGRO |
| 1878.0 | [m] | C | FUGRO |
| 1884.0 | [m] | C | FUGRO |
| 1890.0 | [m] | C | FUGRO |
| 1896.0 | [m] | C | FUGRO |
| 1902.0 | [m] | C | FUGRO |
| 1908.0 | [m] | C | FUGRO |
| 1914.0 | [m] | C | FUGRO |
| 1920.0 | [m] | C | FUGRO |
| 1926.0 | [m] | C | FUGRO |
| 1932.0 | [m] | C | FUGRO |
| 1938.0 | [m] | C | FUGRO |
| 1944.0 | [m] | C | FUGRO |
| 1950.0 | [m] | C | FUGRO |
| 1956.0 | [m] | C | FUGRO |
| 1968.0 | [m] | C | FUGRO |
| 1974.0 | [m] | C | FUGRO |
| 1980.0 | [m] | C | FUGRO |
| 1986.0 | [m] | C | FUGRO |
| 1992.0 | [m] | C | FUGRO |
| 1998.0 | [m] | C | FUGRO |
| 2004.0 | [m] | C | FUGRO |
| 2010.0 | [m] | C | FUGRO |
| 2016.0 | [m] | C | FUGRO |
| 2238.0 | [m] | C | FUGRO |
| 2241.0 | [m] | C | FUGRO |
| 2244.0 | [m] | C | FUGRO |
| 2247.0 | [m] | C | FUGRO |
| 2250.0 | [m] | C | FUGRO |
| 2256.0 | [m] | C | FUGRO |
| 2259.0 | [m] | C | FUGRO |
| 2262.0 | [m] | C | FUGRO |
| 2265.0 | [m] | C | FUGRO |
| 2268.0 | [m] | C | FUGRO |
| 2270.0 | [m] | C | FUGRO |

## Lithostratigraphy

| Top depth [mMD RKB] | Lithostrat. unit |
|---|---|
| 365 | NORDLAND GP |
| 365 | NAUST FM |
| 1341 | KAI FM |
| 1373 | HORDALAND GP |
| 1373 | BRYGGE FM |
| 1435 | ROGALAND GP |
| 1435 | TARE FM |
| 1515 | TANG FM |
| 1517 | SHETLAND GP |
| 1517 | SPRINGAR FM |
| 1550 | BÅT GP |
| 1550 | ÅRE FM |
| 1641 | GREY BEDS (INFORMAL) |
| 1694 | RED BEDS (INFORMAL) |

## Logs

| Log type | Log top depth [m] | Log bottom depth [m] |
|---|---|---|
| DSI FMI GR | 1290 | 1885 |
| MDT GR | 1551 | 1588 |
| MDT GR | 1553 | 1739 |
| MDT GR | 1553 | 1553 |
| MWD ARC | 1900 | 2270 |
| MWD MPR | 412 | 1900 |
| PEX HRLA CMR ECS | 1300 | 1890 |
| VSP | 423 | 1890 |

## Casing and leak-off tests

| Casing type | Casing diam. [inch] | Casing depth [m] | Hole diam. [inch] | Hole depth [m] | LOT/FIT mud eqv. [g/cm3] | Formation test type |
|---|---|---|---|---|---|---|
| CONDUCTOR | 30 | 410.0 | 36 | 416.0 | 0.00 | LOT |
| SURF.COND. | 9 5/8 | 1299.0 | 12 1/4 | 1305.0 | 1.57 | LOT |
| OPEN HOLE | | 2270.0 | 8 1/2 | 2270.0 | 0.00 | LOT |

## Drilling mud

| Depth MD [m] | Mud weight [g/cm3] | Visc. [mPa.s] | Yield point [Pa] | Mud type | Date measured |
|---|---|---|---|---|---|
| 504 | 1.04 | | | SW / POLYMER 2 | |
| 1306 | 1.04 | | | SW / POLYMER 2 | |
| 1373 | 1.30 | 12.0 | | GLYDRIL 74 | |
| 1440 | 1.30 | 17.0 | | GLYDRIL 74 | |
| 1698 | 1.30 | 14.0 | | GLYDRIL 74 | |