## General information

| | |
|---|---|
| Wellbore name | 7324/8-2 |
| Type | EXPLORATION |
| Purpose | WILDCAT |
| Status | P&A |
| Press release | link to press release |
| Factmaps in new window | link to map |
| Main area | BARENTS SEA |
| Well name | 7324/8-2 |
| Seismic location | 5262/crossline 5449.2D:inline 02027 - crossline 04036 |
| Production licence | 537 |
| Drilling operator | OMV (Norge) AS |
| Drill permit | 1571-L |
| Drilling facility | LEIV EIRIKSSON |
| Drilling days | 21 |
| Entered date | 26.04.2015 |
| Completed date | 16.05.2015 |
| Release date | 16.05.2017 |
| Publication date | 16.05.2017 |
| Purpose - planned | WILDCAT |
| Reentry | NO |
| Content | SHOWS |
| Discovery wellbore | NO |
| Kelly bushing elevation [m] | 25.0 |
| Water depth [m] | 394.0 |
| Total depth (MD) [m RKB] | 840.0 |
| Final vertical depth (TVD) [m RKB] | 840.0 |
| Maximum inclination [°] | 1.5 |
| Oldest penetrated age | MIDDLE TRIASSIC |
| Oldest penetrated formation | SNADD FM |
| Geodetic datum | ED50 |
| NS degrees | 73° 24' 0.05'' N |
| EW degrees | 24° 26' 41.6'' E |
| NS UTM [m] | 8147069.69 |
| EW UTM [m] | 418540.66 |
| UTM zone | 35 |
| NPDID wellbore | 7681 |

## Wellbore history

### General

Well 7324/8-2 was drilled to test the Bjaaland prospect southwest of the Wisting Field in the Hoop Fault Complex in the Barents Sea. The primary objective was to prove petroleum in the Middle Jurassic to Late Triassic Upper Realgrunnen Subgroup (Stø and Fruholmen formations).

### Operations and results

Wildcat well 7324/8-2 was spudded with the semi-submersible installation Leiv Eiriksson on 26 April 2015 and drilled to TD at 840 m in the Middle Triassic Snadd Formation. No significant problem was encountered in the operations. The well was drilled with seawater and bentonite down to 488 m and with Glydril mud from 488 m TD.

The Stø Formation was encountered at 668 m, 250 m below sea floor. It was water bearing. Shows were observed on cuttings and in sidewall core chips from top Stø Formation and downwards. Inspection of the drilling mud used in the 12 1/4" and 8 1/2" sections revealed a weak fluorescence. This makes all on-rig shows observations on cuttings and sidewall cores questionable. However, post-well organic geochemical analyses proved unquestionable thermogenic oil in sidewall cores from top Stø Formation and downwards. In the sidewall cores down to 702 m the oil shows were biodegraded, below 719 m undegraded oil was present in the shows.

Due to dry well no cores were cut. The MDT tool was run for pressure points, but no fluid sample was taken.

The well was permanently abandoned on 16 May 2015 as a dry well with shows.

### Testing

No drill stem test was performed.

## Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|---|---|
| 586.00 | 837.00 |

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

## Lithostratigraphy

| Top depth [mMD RKB] | Lithostrat. unit |
|---|---|
| 419 | NORDLAND GP |
| 419 | UNDIFFERENTIATED |
| 489 | ADVENTDALEN GP |
| 489 | KOLMULE FM |

| | |
|---|---|
| 583 | KOLJE FM |
| 602 | KNURR FM |
| 613 | HEKKINGEN FM |
| 632 | FUGLEN FM |
| 668 | KAPP TOSCANA GP |
| 668 | STØ FM |
| 683 | FRUHOLMEN FM |
| 780 | SNADD FM |

## Logs

| Log type | Log top depth [m] | Log bottom depth [m] |
|---|---|---|
| FMIHD PPC MSIP PPC GR | 652 | 835 |
| MDT GR | 670 | 822 |
| MSCT GR | 0 | 0 |
| MSCT GR | 0 | 0 |
| MWD - GR DI | 419 | 488 |
| MWD - PWD RES GR DI | 488 | 583 |
| MWD - RES AT GR PWD DI | 583 | 840 |
| VSI4 GR ZOVSP | 427 | 830 |

## 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 | 485.4 | 36 | 485.4 | 0.00 | |
| SURF.COND. | 13 3/8 | 583.0 | 17 1/2 | 583.0 | 0.00 | |
| LINER | 9 5/8 | 654.0 | 12 1/4 | 654.0 | 2.27 | LOT |
| OPEN HOLE | | 840.0 | 8 1/2 | 840.0 | 0.00 | |

## Drilling mud

| Depth MD [m] | Mud weight [g/cm3] | Visc. [mPa.s] | Yield point [Pa] | Mud type | Date measured |
|---|---|---|---|---|---|
| 488 | 1.02 | 1.0 | | Seawater | |
| 580 | 1.18 | 13.0 | | Glydril | |
| 652 | 1.19 | 13.0 | | Glydril | |
| 659 | 1.15 | 9.0 | | Glydril | |

| | | | | | |
|---|---|---|---|---|---|
| 840 | 1.14 | 13.0 | | Glydril | |