



## General information

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Wellbore name                      | 2/1-15                                |
| Type                               | EXPLORATION                           |
| Purpose                            | WILDCAT                               |
| Status                             | P&A                                   |
| Press release                      | <a href="#">link to press release</a> |
| Factmaps in new window             | <a href="#">link to map</a>           |
| Main area                          | NORTH SEA                             |
| Well name                          | 2/1-15                                |
| Seismic location                   | inline 7565 & crossline 22040         |
| Production licence                 | <a href="#">542</a>                   |
| Drilling operator                  | Det norske oljeselskap ASA            |
| Drill permit                       | 1436-L                                |
| Drilling facility                  | <a href="#">MÆRSK GIANT</a>           |
| Drilling days                      | 50                                    |
| Entered date                       | 18.07.2013                            |
| Completed date                     | 05.09.2013                            |
| Plugged and abandon date           | 05.09.2013                            |
| Release date                       | 05.09.2015                            |
| Publication date                   | 05.09.2015                            |
| Purpose - planned                  | WILDCAT                               |
| Reentry                            | NO                                    |
| Content                            | DRY                                   |
| Discovery wellbore                 | NO                                    |
| Kelly bushing elevation [m]        | 42.6                                  |
| Water depth [m]                    | 69.6                                  |
| Total depth (MD) [m RKB]           | 3554.0                                |
| Final vertical depth (TVD) [m RKB] | 3554.0                                |
| Maximum inclination [°]            | 2.3                                   |
| Bottom hole temperature [°C]       | 149                                   |
| Oldest penetrated age              | TRIASSIC                              |
| Oldest penetrated formation        | HEGRE GP                              |
| Geodetic datum                     | ED50                                  |
| NS degrees                         | 56° 52' 58.14" N                      |
| EW degrees                         | 3° 12' 47.53" E                       |
| NS UTM [m]                         | 6304502.99                            |
| EW UTM [m]                         | 512992.93                             |
| UTM zone                           | 31                                    |
| NPDID wellbore                     | 7219                                  |



## Wellbore history

### General

Well 2/1-15 was drilled on the Augunshaug prospect west of the Gyda Field on the Sørvestlandet High in the North Sea. The primary objective was to prove hydrocarbons within the Middle Jurassic Sandnes and Bryne formations. Secondary targets were the Triassic Skagerrak Formation sandstones and the Oligocene Vade Formation sandstones.

### Operations and results

Wildcat well 2/1-15 was spudded with the jack-up installation Mærsk Giant on 18 July 2013 and drilled to TD at 3554 m in the Triassic Hegre Group. A 9 7/8" pilot hole was drilled to 603 m and a shallow gas zones was penetrated at 585 -588. The 20" casing was set above this zone, at 546 m. Drilling commenced with a 16" hole and a second low-charge gas sand was penetrated in the interval 715 - 730 m. The well was drilled with seawater and sweep pills down to 603 m, with Innovert NS SBM mud from 603 m to 3312 m, and with Innovert oil based med from 3312 m to TD.

The Oligocene Vade Formation sand was encountered at 2199 m and was found dry. The net sand in the Vade Formation was about 37 m. The Sandnes Formation Sandstone was encountered at 3431 m. The Bryne Formation was encountered at 3450 m. Both the reservoir targets had lower reservoir quality than expected. There was no indication of hydrocarbons from the MWD logs and no oil shows in cuttings or indication of low mud gas values.

No conventional cores were cut. No fluid samples were taken

The well was permanently abandoned on 5 November as a dry well.

### Testing

No drill stem test was performed.

## Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|-------------------------------|-----------------------------------|
| 600.00                        | 3554.00                           |

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

## Lithostratigraphy

| Top depth<br>[mMD RKB] | Lithostrat. unit                 |
|------------------------|----------------------------------|
| 114                    | <a href="#">NORDLAND GP</a>      |
| 114                    | <a href="#">UNDIFFERENTIATED</a> |



|      |                                  |
|------|----------------------------------|
| 1726 | <a href="#">HORDALAND GP</a>     |
| 1726 | <a href="#">UNDIFFERENTIATED</a> |
| 2199 | <a href="#">VADE FM</a>          |
| 2259 | <a href="#">UNDIFFERENTIATED</a> |
| 2664 | <a href="#">ROGALAND GP</a>      |
| 2664 | <a href="#">BALDER FM</a>        |
| 2706 | <a href="#">SELE FM</a>          |
| 2745 | <a href="#">LISTA FM</a>         |
| 2851 | <a href="#">VIDAR FM</a>         |
| 2931 | <a href="#">VÅLE FM</a>          |
| 2941 | <a href="#">SHETLAND GP</a>      |
| 2941 | <a href="#">EKOFISK FM</a>       |
| 3019 | <a href="#">TOR FM</a>           |
| 3245 | <a href="#">HOD FM</a>           |
| 3285 | <a href="#">CROMER KNOLL GP</a>  |
| 3285 | <a href="#">RØDBY FM</a>         |
| 3289 | <a href="#">SOLA FM</a>          |
| 3310 | <a href="#">TUXEN FM</a>         |
| 3317 | <a href="#">ÅSGARD FM</a>        |
| 3393 | <a href="#">TYNE GP</a>          |
| 3393 | <a href="#">HAUGESUND FM</a>     |
| 3431 | <a href="#">VESTLAND GP</a>      |
| 3431 | <a href="#">SANDNES FM</a>       |
| 3450 | <a href="#">BRYNE FM</a>         |
| 3523 | <a href="#">HEGRE GP</a>         |
| 3523 | <a href="#">UNDIFFERENTIATED</a> |

**Logs**

| Log type                            | Log top<br>depth [m] | Log bottom<br>depth [m] |
|-------------------------------------|----------------------|-------------------------|
| HRST-B                              | 3351                 | 3542                    |
| MWD - GR RES DEN NEU PWD DIR<br>SON | 3312                 | 3554                    |
| MWD - GR RES PWD DIR                | 113                  | 603                     |
| MWD - GR RES PWD DIR SON            | 550                  | 3312                    |
| RDT                                 | 3435                 | 3506                    |

**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                     | 172.4               | 36                   | 175.0             | 0.00                           |                        |
| SURF.COND.  | 20                     | 545.0               | 26                   | 550.0             | 0.00                           |                        |
| PILOT HOLE  |                        | 603.0               | 9 7/8                | 603.0             | 0.00                           |                        |
| INTERM.     | 13 3/8                 | 2376.0              | 16                   | 2381.0            | 0.00                           |                        |
| OPEN HOLE   |                        | 3554.0              | 8 1/2                | 3554.0            | 0.00                           |                        |