

**General information**

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Wellbore name                      | 25/7-4 S                             |
| Type                               | EXPLORATION                          |
| Purpose                            | WILDCAT                              |
| Status                             | P&A                                  |
| Factmaps in new window             | <a href="#">link to map</a>          |
| Main area                          | NORTH SEA                            |
| Well name                          | 25/7-4                               |
| Seismic location                   | CN 25/93 INLINE 155 & CROSSLINE 5765 |
| Production licence                 | <a href="#">103</a>                  |
| Drilling operator                  | Conoco Norway Inc.                   |
| Drill permit                       | 879-L                                |
| Drilling facility                  | <a href="#">MÆRSK JUTLANDER</a>      |
| Drilling days                      | 20                                   |
| Entered date                       | 02.06.1997                           |
| Completed date                     | 21.06.1997                           |
| Release date                       | 21.06.1999                           |
| Publication date                   | 29.08.2003                           |
| Purpose - planned                  | WILDCAT                              |
| Reentry                            | NO                                   |
| Content                            | DRY                                  |
| Discovery wellbore                 | NO                                   |
| Kelly bushing elevation [m]        | 23.0                                 |
| Water depth [m]                    | 126.0                                |
| Total depth (MD) [m RKB]           | 2560.0                               |
| Final vertical depth (TVD) [m RKB] | 2546.3                               |
| Maximum inclination [°]            | 9.9                                  |
| Bottom hole temperature [°C]       | 75                                   |
| Oldest penetrated age              | LATE CRETACEOUS                      |
| Oldest penetrated formation        | TOR FM                               |
| Geodetic datum                     | ED50                                 |
| NS degrees                         | 59° 15' 30" N                        |
| EW degrees                         | 2° 15' 58.99" E                      |
| NS UTM [m]                         | 6569200.34                           |
| EW UTM [m]                         | 458166.79                            |
| UTM zone                           | 31                                   |
| NPDID wellbore                     | 3114                                 |



## Wellbore history

### General

Block 25/7 is situated in the South Viking Graben on the western side of the Utsira High, a basement high that tilts slightly towards the east. The South Viking Graben has an asymmetrical profile bounded in the west by the Brea/Crawford Fault Zone and the Utsira High to the east. The Jotun Field is sitting on a basement terrace stepping up to the Utsira High from the Graben area. Well 25/7-1 drilled in 1986 for a Jurassic target encountered oil shows in thin ratty sands in the Paleocene Hermod Formation.

Exploration well 25/7-4 S was drilled to test the 25/7 Hermod South prospect, a stratigraphic trap comprising of channelised basin floor sandstones of the Paleocene Hermod Formation. The primary objectives of the well were to test the presence of hydrocarbons in the Hermod South prospect and to establish hydrocarbon type(s) and fluid contacts (if present). A secondary objective was to evaluate the Lower Tertiary interval by ensuring that the well penetrates into the Cretaceous.

### Operations and results

Exploration well 25/7-4 S was spudded with the semi-submersible installation "Maersk Jutlander" on 2 June 1997 and drilled to a total depth of 2560 m in the Late Cretaceous Tor Formation. Operations went without problems within the AFE time budget. The well was drilled with seawater and hi-vis pills down to 1195 m and with KCl / Glycol mud from 1195 m to TD. Good quality Hermod sands were encountered at 2018 m (1987 m TVD SS). Also the Heimdal and Ty Formation sands were present. However, no indications of hydrocarbons were found.

No conventional core was cut in and no fluid samples were taken. The well was permanently abandoned as a dry well on 21 June 1997.

### Testing

No drill stem test was performed.

## Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|-------------------------------|-----------------------------------|
| 1200.00                       | 2560.00                           |

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

## Palynological slides at the Norwegian Offshore Directorate

| Sample depth | Depth unit | Sample type | Laboratory |
|--------------|------------|-------------|------------|
| 1200.0       | [m]        | DC          | RRI        |
| 1230.0       | [m]        | DC          | RRI        |
| 1250.0       | [m]        | DC          | RRI        |
| 1270.0       | [m]        | DC          | RRI        |



|        |     |     |     |
|--------|-----|-----|-----|
| 1290.0 | [m] | DC  | RRI |
| 1310.0 | [m] | DC  | RRI |
| 1330.0 | [m] | DC  | RRI |
| 1370.0 | [m] | DC  | RRI |
| 1380.0 | [m] | DC  | RRI |
| 1400.0 | [m] | DC  | RRI |
| 1420.0 | [m] | DC  | RRI |
| 1430.0 | [m] | DC  | RRI |
| 1992.0 | [m] | SWC | RRI |
| 2003.0 | [m] | SWC | RRI |
| 2007.0 | [m] | SWC | RRI |
| 2013.0 | [m] | DC  | RRI |
| 2017.0 | [m] | SWC | RRI |
| 2069.0 | [m] | DC  | RRI |
| 2105.0 | [m] | SWC | RRI |
| 2126.0 | [m] | SWC | RRI |
| 2142.0 | [m] | SWC | RRI |
| 2151.0 | [m] | SWC | RRI |
| 2159.0 | [m] | SWC | RRI |
| 2163.0 | [m] | SWC | RRI |
| 2172.0 | [m] | SWC | RRI |
| 2186.0 | [m] | SWC | RRI |
| 2211.0 | [m] | SWC | RRI |
| 2218.0 | [m] | SWC | RRI |
| 2236.0 | [m] | SWC | RRI |

**Lithostratigraphy**

| Top depth<br>[mMD RKB] | Lithostrat. unit               |
|------------------------|--------------------------------|
| 149                    | <a href="#">NORDLAND GP</a>    |
| 490                    | <a href="#">UTSIRA FM</a>      |
| 716                    | <a href="#">HORDALAND GP</a>   |
| 716                    | <a href="#">SKADE FM</a>       |
| 1063                   | <a href="#">NO FORMAL NAME</a> |
| 1904                   | <a href="#">ROGALAND GP</a>    |
| 1904                   | <a href="#">BALDER FM</a>      |
| 2002                   | <a href="#">SELE FM</a>        |
| 2018                   | <a href="#">HERMOD FM</a>      |
| 2121                   | <a href="#">LISTA FM</a>       |



|      |                             |
|------|-----------------------------|
| 2176 | <a href="#">HEIMDAL FM</a>  |
| 2371 | <a href="#">TY FM</a>       |
| 2512 | <a href="#">SHETLAND GP</a> |
| 2512 | <a href="#">EKOFISK FM</a>  |
| 2550 | <a href="#">TOR FM</a>      |

**Composite logs**

| Document name        | Document format | Document size [MB] |
|----------------------|-----------------|--------------------|
| <a href="#">3114</a> | pdf             | 0.32               |

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

| Document name                                   | Document format | Document size [MB] |
|-------------------------------------------------|-----------------|--------------------|
| <a href="#">3114 25 7 4 S COMPLETION LOG</a>    | pdf             | 2.04               |
| <a href="#">3114 25 7 4 S COMPLETION REPORT</a> | pdf             | 39.80              |

**Logs**

| Log type                | Log top depth [m] | Log bottom depth [m] |
|-------------------------|-------------------|----------------------|
| CST                     | 1987              | 2236                 |
| DSI DIT GR              | 1932              | 2546                 |
| MWD - DIR GR SN         | 231               | 1190                 |
| MWD - DIR GR SN         | 1190              | 1940                 |
| MWD - DIR GR SN DEN NEU | 1940              | 2560                 |
| VSP GR                  | 1932              | 2546                 |

**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                  | 226.0            | 36                | 226.0          | 0.00                     | LOT                 |
| SURF.COND.  | 13 3/8              | 1188.0           | 17 1/4            | 1190.0         | 1.90                     | LOT                 |
| INTERM.     | 9 5/8               | 1931.0           | 12 1/4            | 1931.0         | 1.59                     | LOT                 |
| OPEN HOLE   |                     | 2560.0           | 8 1/2             | 2560.0         | 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 |
|-----------------|--------------------------|------------------|---------------------|----------------|------------------|
| 149             | 1.00                     |                  |                     | SPUD MUD       |                  |
| 222             | 1.00                     |                  |                     | SPUD MUD       |                  |
| 536             | 1.07                     |                  |                     | SPUD MUD       |                  |
| 1188            | 1.20                     |                  |                     | SPUD MUD       |                  |
| 1198            | 1.45                     | 42.0             |                     | KCL/GLYCOL/GEM |                  |
| 1200            | 1.07                     |                  |                     | SPUD MUD       |                  |
| 1224            | 1.45                     | 39.0             |                     | KCL/GLYCOL/GEM |                  |
| 1452            | 1.32                     | 20.0             |                     | KCL/GLYCOL/GEM |                  |
| 1940            | 1.20                     | 15.0             |                     | KCL/POLYMER    |                  |
| 2280            | 1.20                     | 11.0             |                     | KCL/POLYMER    |                  |
| 2560            | 1.21                     | 12.0             |                     | KCL/POLYMER    |                  |