

**General information**

|                                    |                               |
|------------------------------------|-------------------------------|
| Wellbore name                      | 7/12-12 S                     |
| Type                               | EXPLORATION                   |
| Purpose                            | WILDCAT                       |
| Status                             | P&A                           |
| Factmaps in new window             | <a href="#">link to map</a>   |
| Main area                          | NORTH SEA                     |
| Well name                          | 7/12-12                       |
| Seismic location                   | INLINE 1588 & CROSS-LINE 1707 |
| Production licence                 | <a href="#">019</a>           |
| Drilling operator                  | BP Norway Limited U.A.        |
| Drill permit                       | 833-L                         |
| Drilling facility                  | <a href="#">ULA DP</a>        |
| Drilling days                      | 125                           |
| Entered date                       | 14.11.1995                    |
| Completed date                     | 17.03.1996                    |
| Plugged and abandon date           | 17.03.1996                    |
| Release date                       | 17.03.1998                    |
| Publication date                   | 06.12.2014                    |
| Purpose - planned                  | WILDCAT                       |
| Reentry                            | NO                            |
| Content                            | DRY                           |
| Discovery wellbore                 | NO                            |
| Kelly bushing elevation [m]        | 57.0                          |
| Water depth [m]                    | 69.5                          |
| Total depth (MD) [m RKB]           | 6079.0                        |
| Final vertical depth (TVD) [m RKB] | 4067.0                        |
| Maximum inclination [°]            | 58.4                          |
| Bottom hole temperature [°C]       | 152                           |
| Oldest penetrated age              | TRIASSIC                      |
| Oldest penetrated formation        | VESTLAND GP                   |
| Geodetic datum                     | ED50                          |
| NS degrees                         | 57° 6' 41.23" N               |
| EW degrees                         | 2° 50' 50.99" E               |
| NS UTM [m]                         | 6329944.79                    |
| EW UTM [m]                         | 490763.04                     |
| UTM zone                           | 31                            |
| NPDID wellbore                     | 2695                          |



## Wellbore history

### General

Well 7/12-12 S was drilled as a reach-out well from the Ula Platform to a fault block separate from the main Ula Field ca 4 km south-southwest of the Platform location. The primary objective was to test the reservoir and hydrocarbon potential in the Ula Formation. In the event of a discovery the plan was to complete the well as a producer.

### Operations and results

Operations on wildcat well 7/12-12 S started on 9 October 1995. The well was drilled from the Ula Platform and was kicked off at 547 m in existing development well 7/12-A-10 the 14th of November 1995. After drilling to 16" hole section TD at 2498 m the hole packed off and the string got stuck. Several attempts were made to retrieve the fish, but failed. A balanced kick-off plug was set and the well was sidetracked (7/12-12 S T2) from 958 m and drilled to final TD at 6079 m (4067 m TVD) in interbedded sands, silts and shales of possible pre-rift age. The well was drilled with Enviromul oil based mud from kick-off to TD. Considerable hole problems occurred during drilling. There is a discrepancy of up to 7 m between drilled and logged depth below 5482 m. Depths given here are drilled depths.

Top Reservoir (Ula Fm) was penetrated at 6018 m MD (4020 m TVD), 118 m TVD deeper than predicted. Base Ula Formation was picked at 6067 m MD (4057 m TVD). Wire line logging and lack of shows proved a dry reservoir. Due to operational problems the planned open hole logging program was restricted to GR/Sonic and Resistivity.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 17 March 1996 as a dry well.

### Testing

No drill stem test was performed.

The well was spudded the 14th of November 1996.

## Lithostratigraphy

| Top depth<br>[mMD RKB] | Lithostrat. unit            |
|------------------------|-----------------------------|
| 127                    | <a href="#">NORDLAND GP</a> |
| 3648                   | <a href="#">ROGALAND GP</a> |
| 3648                   | <a href="#">BALDER FM</a>   |
| 3733                   | <a href="#">SELE FM</a>     |
| 3854                   | <a href="#">LISTA FM</a>    |
| 4020                   | <a href="#">VIDAR FM</a>    |
| 4126                   | <a href="#">SHETLAND GP</a> |
| 4126                   | <a href="#">EKOFISK FM</a>  |
| 4561                   | <a href="#">TOR FM</a>      |



|      |                                 |
|------|---------------------------------|
| 5324 | <a href="#">HOD FM</a>          |
| 5625 | <a href="#">CROMER KNOLL GP</a> |
| 5625 | <a href="#">SOLA FM</a>         |
| 5655 | <a href="#">TUXEN FM</a>        |
| 5753 | <a href="#">ÅSGARD FM</a>       |
| 5902 | <a href="#">TYNE GP</a>         |
| 5902 | <a href="#">MANDAL FM</a>       |
| 5927 | <a href="#">FARSUND FM</a>      |
| 6018 | <a href="#">VESTLAND GP</a>     |
| 6018 | <a href="#">ULA FM</a>          |

**Geochemical information**

| Document name          | Document format | Document size [MB] |
|------------------------|-----------------|--------------------|
| <a href="#">2695_1</a> | pdf             | 0.05               |
| <a href="#">2695_2</a> | pdf             | 0.28               |

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

| Document name                                                     | Document format | Document size [MB] |
|-------------------------------------------------------------------|-----------------|--------------------|
| <a href="#">2695_7_12_12_COMPLETION_REPORT_AND_COMPLETION_LOG</a> | pdf             | 140.53             |

**Logs**

| Log type       | Log top depth [m] | Log bottom depth [m] |
|----------------|-------------------|----------------------|
| DIFL DAC GR    | 4600              | 6086                 |
| FMT GR         | 6019              | 6019                 |
| MWD - DIR      | 958               | 2486                 |
| MWD - DIR GR   | 2489              | 5225                 |
| MWD DIR        | 5225              | 5490                 |
| MWD DIR GR RES | 5490              | 6079                 |

**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   | 27                     | 267.0               | 36                   | 267.0             | 0.00                           | LOT                    |
| SURF.COND.  | 18 3/8                 | 547.0               | 20                   | 547.0             | 0.00                           | LOT                    |
| INTERM.     | 13 3/8                 | 2486.0              | 16                   | 2486.0            | 0.00                           | LOT                    |
| INTERM.     | 9 5/8                  | 5482.0              | 12 1/4               | 5490.0            | 0.00                           | LOT                    |
| OPEN HOLE   |                        | 6079.0              | 8 1/2                | 6079.0            | 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 |
|-----------------|--------------------------|------------------|---------------------|--------------------|------------------|
| 323             | 1.30                     | 9.0              |                     | WATER BASED<br>MUD |                  |
| 500             | 1.30                     | 10.0             |                     | WATER BASED<br>MUD |                  |
| 544             | 1.38                     | 37.0             |                     | OIL BASED MUD      |                  |
| 920             | 1.50                     | 51.0             |                     | OIL BASED MUD      |                  |
| 1320            | 1.43                     | 46.0             |                     | OIL BASED MUD      |                  |
| 1925            | 1.52                     | 56.0             |                     | OIL BASED MUD      |                  |
| 2425            | 1.65                     | 55.0             |                     | OIL BASED MUD      |                  |
| 2486            | 1.57                     | 53.0             |                     | OIL BASED MUD      |                  |
| 2486            | 1.55                     | 52.0             |                     | OIL BASED MUD      |                  |
| 2486            | 1.52                     | 62.0             |                     | OIL BASED MUD      |                  |
| 2498            | 1.50                     | 53.0             |                     | OIL BASED MUD      |                  |
| 2605            | 1.66                     | 54.0             |                     | OIL BASED MUD      |                  |
| 3305            | 1.60                     | 59.0             |                     | OIL BASED MUD      |                  |
| 4129            | 1.62                     | 59.0             |                     | OIL BASED MUD      |                  |
| 4457            | 1.62                     | 54.0             |                     | OIL BASED MUD      |                  |
| 5142            | 1.62                     | 50.0             |                     | OIL BASED MUD      |                  |
| 5490            | 1.64                     | 49.0             |                     | OIL BASED MUD      |                  |
| 6079            | 1.64                     | 48.0             |                     | OIL BASED MUD      |                  |