



General information





| | |
|------------------------------------|---|
| Wellbore name | 24/9-10 A |
| Type | EXPLORATION |
| Purpose | APPRAISAL |
| Status | P&A |
| Press release | link to press release |
| Factmaps in new window | link to map |
| Main area | NORTH SEA |
| Discovery | 24/9-10 S (Caterpillar) |
| Well name | 24/9-10 |
| Seismic location | DG D15& D58 |
| Production licence | 340 BS |
| Drilling operator | Marathon Petroleum Norge AS |
| Drill permit | 1345-L |
| Drilling facility | TRANSOCEAN WINNER |
| Drilling days | 18 |
| Entered date | 03.02.2011 |
| Completed date | 20.02.2011 |
| Release date | 20.02.2013 |
| Publication date | 20.02.2013 |
| Purpose - planned | APPRAISAL |
| Reentry | NO |
| Content | OIL |
| Discovery wellbore | NO |
| 1st level with HC, age | LATE PALEOCENE |
| 1st level with HC, formation | HERMOD FM |
| Kelly bushing elevation [m] | 26.0 |
| Water depth [m] | 119.0 |
| Total depth (MD) [m RKB] | 2900.0 |
| Final vertical depth (TVD) [m RKB] | 2138.0 |
| Maximum inclination [°] | 73.9 |
| Oldest penetrated age | LATE PALEOCENE |
| Oldest penetrated formation | LISTA FM |
| Geodetic datum | ED50 |
| NS degrees | 59° 16' 34.73" N |
| EW degrees | 1° 55' 36.13" E |
| NS UTM [m] | 6571465.01 |
| EW UTM [m] | 438830.01 |
| UTM zone | 31 |
| NPDID wellbore | 6560 |

**Wellbore history**

Wellbore history

General

Well 24/9-10 A is a geologic sidetrack to well 24/9-10 S on the Caterpillar prospect ca 7.5 km south-southeast of the Bøyla field in the South Viking Graben. The primary well bore 24/9-10 S found oil in the Late Paleocene Hermod Formation. The sidetrack 24/9-10 A was drilled to further delineate and evaluate the economic resource potential in this discovery.

Operations and results

Well 24/9-10 A was kicked off from the 24/9-10 S wellbore at 1408 m in undifferentiated Hordaland Group on 3 February 2011. The well was drilled with the semi-submersible installation Transocean Winner to TD at 2900 m (2138 m TVD). No significant problems were encountered in the operations. The well was drilled with Versatec OBM from kick-off to TD.

The Sele Formation had no reservoir quality intervals; it was predominantly claystone, calcareous in parts. The Hermod Formation came in at 2799 (2064 m TVD) and had 36.5 m (MD) of reservoir quality sands, with predominantly fine occasionally medium quartz aggregate, some calcite cemented stringers and non net shale beds. Average porosity in the reservoir of 24.9% was determined from the density log. An OWC was interpreted at 2850 m (2114 m TVD). A total of 31.9 m (15.3 m TVD) of movable hydrocarbons with an average net water saturation of 33.2% was interpreted within the Hermod Formation. The oil based mud masked any true oil shows on cuttings from the well.

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

The well was permanently abandoned on 20 February 2011 as an oil appraisal well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|-------------------------------|-----------------------------------|
| 1430.00 | 2900.00 |

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

**Lithostratigraphy**

| Top depth [mMD RKB] | Lithostrat. unit |
|------------------------|------------------------------|
| 144 | NORDLAND GP |
| 447 | UTSIRA FM |
| 867 | HORDALAND GP |
| 1248 | GRID FM |
| 2514 | ROGALAND GP |
| 2514 | BALDER FM |
| 2740 | SELE FM |
| 2799 | HERMOD FM |
| 2881 | LISTA FM |

Logs

| Log type | Log top depth [m] | Log bottom depth [m] |
|-----------|----------------------|-------------------------|
| MWD - PDX | 1408 | 2900 |

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 |
|-------------|---------------------------|------------------------|----------------------|-------------------|--------------------------------|------------------------|
| OPEN HOLE | | 2900.0 | 9 1/2 | 2900.0 | 1.55 | LOT |