



## Generell informasjon

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| Brønnbane navn                           | 6507/3-12                               |
| Type                                     | EXPLORATION                             |
| Formål                                   | WILDCAT                                 |
| Status                                   | P&A                                     |
| Pressemelding                            | <a href="#">lenke til pressemelding</a> |
| Faktakart i nytt vindu                   | <a href="#">lenke til kart</a>          |
| Hovedområde                              | NORWEGIAN SEA                           |
| Funn                                     | <a href="#">6507/3-12 (Osprey)</a>      |
| Brønn navn                               | 6507/3-12                               |
| Seismisk lokalisering                    | 3D EN0804.Inline 4883. X-line 2987      |
| Utvinningstillatelse                     | <a href="#">159 B</a>                   |
| Boreoperatør                             | Statoil Petroleum AS                    |
| Boretillatelse                           | 1648-L                                  |
| Boreinnretning                           | <a href="#">DEEPSEA BERGEN</a>          |
| Boredager                                | 25                                      |
| Borestart                                | 03.02.2017                              |
| Boreslutt                                | 28.02.2017                              |
| Plugget dato                             | 27.02.2017                              |
| Frigitt dato                             | 28.02.2019                              |
| Publiseringsdato                         | 04.04.2019                              |
| Opprinnelig formål                       | WILDCAT                                 |
| Gjenåpnet                                | NO                                      |
| Innhold                                  | GAS                                     |
| Funnbrønnbane                            | YES                                     |
| 1. nivå med hydrokarboner, alder         | CRETACEOUS                              |
| 1. nivå med hydrokarboner, formasjon.    | LYSING FM                               |
| Avstand, boredekk - midlere havflate [m] | 23.0                                    |
| Vanndybde ved midlere havflate [m]       | 381.0                                   |
| Totalt målt dybde (MD) [m RKB]           | 3451.0                                  |
| Totalt vertikalt dybde (TVD) [m RKB]     | 3450.0                                  |
| Maks inklinasjon [°]                     | 4.11                                    |
| Eldste penetrerte alder                  | EARLY JURASSIC                          |
| Eldste penetrerte formasjon              | TOFTE FM                                |
| Geodetisk datum                          | ED50                                    |
| NS grader                                | 65° 58' 3.95" N                         |
| ØV grader                                | 7° 56' 1.53" E                          |



|                      |            |
|----------------------|------------|
| NS UTM [m]           | 7316913.96 |
| ØV UTM [m]           | 451545.26  |
| UTM sone             | 32         |
| NPDID for brønnbanen | 8097       |

## Brønnhistorie

### General

Well 6507/3-12 was drilled to test the Mim prospect on the Revfallet Fault complex in the Norwegian sea. The primary objective was to prove economical hydrocarbon volumes in the Fangst Group, and possible also Båt Group, if discovery in Fangst. A sidetrack into the adjacent structure Mim North would test the same reservoir units if a discovery was made in Mim. A secondary objective was to acquire pressure points in Cretaceous sands associated with observed amplitude anomaly over the Mim structure.

### Operations and results

Wildcat well 6507/3-12 was spudded with the semi-submersible installation Deepsea Bergen on 3 February 2017 and drilled to TD at 3451 m in the Early Jurassic Tofte Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1334 m and with XP-07 oil-based mud from 1334 m to TD.

A gas bearing Cretaceous sandstone belonging to the Lysing Formation was penetrated from 2614.5 m to a gas-down-to contact at 2621 m. The Lysing sandstone had very good permeability and 110 bar overpressure. This discovery was named Osprey. The Fangst group of the Mim structure was water bearing with residual hydrocarbons only. The Båt Group was not tested as a result of this and no sidetrack into Mim North was performed. Direct and cut fluorescence were described from top Garn Formation at 3295 to 3325 m. Direct and cut fluorescence were described also in the Ile Formation from 3347 to 3381 m.

One core was cut from 3299 to 3381 m in the Fangst Group with 100% recovery. Good pressure points were obtained on wire line in both the Lysing Formation and the primary target Fangst Group. MDT gas samples were taken at 2616.1 m in the Lysing Formation.

The well was permanently abandoned on 28 February 2017 as a gas discovery.

### Testing

No drill stem test was performed.

## Borekaks i Sokkeldirektoratet

|                               |                               |
|-------------------------------|-------------------------------|
| Borekaksprøve, topp dybde [m] | Borekaksprøve, bunn dybde [m] |
| 1340.00                       | 3452.00                       |

|                                        |     |
|----------------------------------------|-----|
| Borekaks tilgjengelig for prøvetaking? | YES |
|----------------------------------------|-----|



### Borekjerne i Sokkeldirektoratet

| Kjerneprøve nummer | Kjerneprøve - topp dybde | Kjerneprøve - bunn dybde | Kjerneprøve dybde - enhet |
|--------------------|--------------------------|--------------------------|---------------------------|
| 1                  | 3299.0                   | 3381.6                   | [m ]                      |

|                                       |      |
|---------------------------------------|------|
| Total kjerneprøve lengde [m]          | 82.6 |
| Kjerner tilgjengelig for prøvetaking? | YES  |

### Litostratigrafi

| Topp Dyb [mMD RKB] | Litostrat. enhet                |
|--------------------|---------------------------------|
| 404                | <a href="#">NORDLAND GP</a>     |
| 404                | <a href="#">NAUST FM</a>        |
| 1290               | <a href="#">KAI FM</a>          |
| 1615               | <a href="#">HORDALAND GP</a>    |
| 1615               | <a href="#">BRYGGE FM</a>       |
| 1885               | <a href="#">ROGALAND GP</a>     |
| 1885               | <a href="#">TARE FM</a>         |
| 1925               | <a href="#">TANG FM</a>         |
| 1986               | <a href="#">SHETLAND GP</a>     |
| 1986               | <a href="#">SPRINGAR FM</a>     |
| 2365               | <a href="#">KVITNOS FM</a>      |
| 2615               | <a href="#">CROMER KNOLL GP</a> |
| 2615               | <a href="#">LYSING FM</a>       |
| 2621               | <a href="#">LANGE FM</a>        |
| 2736               | <a href="#">LYR FM</a>          |
| 2891               | <a href="#">VIKING GP</a>       |
| 2891               | <a href="#">SPEKK FM</a>        |
| 3004               | <a href="#">MELKE FM</a>        |
| 3295               | <a href="#">FANGST GP</a>       |
| 3295               | <a href="#">GARN FM</a>         |
| 3303               | <a href="#">NOT FM</a>          |
| 3347               | <a href="#">ILE FM</a>          |
| 3396               | <a href="#">BÅT GP</a>          |
| 3396               | <a href="#">ROR FM</a>          |

### Logger



| Type logg                         | Topp dyp<br>for logg [m] | Bunn dyp for<br>logg [m] |
|-----------------------------------|--------------------------|--------------------------|
| GR MDT                            | 1325                     | 2895                     |
| GR XPT PEX MSIP AIT               | 2818                     | 3451                     |
| MWD - DIR                         | 404                      | 441                      |
| MWD - GR RES APWD                 | 441                      | 3451                     |
| MWD - GR RES DIR APWD ARC-<br>ADN | 1325                     | 2898                     |
| USIT CBL MSIP                     | 1935                     | 2888                     |

Foringsrør og formasjonsstyrketester

| Type utforing | Utforing<br>diam.<br>[tommer] | Utforing<br>dybde<br>[m] | Brønnbane<br>diam.<br>[tommer] | Brønnbane<br>dyp<br>[m] | LOT/FIT slam<br>eqv.<br>[g/cm3] | Type<br>formasjonstest |
|---------------|-------------------------------|--------------------------|--------------------------------|-------------------------|---------------------------------|------------------------|
| CONDUCTOR     | 30                            | 441.0                    | 36                             | 441.0                   | 0.00                            |                        |
| INTERM.       | 13 5/8                        | 1325.7                   | 17 1/2                         | 1334.0                  | 1.61                            | FIT                    |
| INTERM.       | 9 5/8                         | 2888.0                   | 12 1/4                         | 2898.0                  | 1.96                            | LOT                    |
| OPEN HOLE     |                               | 3451.0                   | 8 1/2                          | 3451.0                  | 0.00                            |                        |

Boreslam

| Dybde<br>MD [m] | Egenvekt,<br>slam<br>[g/cm3] | Viskositet,<br>slam<br>[mPa.s] | flytegrense<br>[Pa] | Type slam | Dato, måling |
|-----------------|------------------------------|--------------------------------|---------------------|-----------|--------------|
| 1325            | 1.53                         | 26.0                           |                     | XP-07     |              |
| 1325            | 1.52                         | 28.0                           |                     | XP-07     |              |
| 1334            | 1.54                         | 24.0                           |                     | XP-07     |              |
| 1396            | 1.51                         | 25.0                           |                     | XP-07     |              |
| 2409            | 1.51                         | 24.0                           |                     | XP-07     |              |
| 2898            | 1.51                         | 27.0                           |                     | XP-07     |              |
| 3197            | 1.51                         | 25.0                           |                     | XP-07     |              |
| 3451            | 1.51                         | 22.0                           |                     | XP-07     |              |