



## Generell informasjon





|                                          |                                           |
|------------------------------------------|-------------------------------------------|
| Brønnbane navn                           | 7322/6-1 S                                |
| 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                              | BARENTS SEA                               |
| Brønn navn                               | 7322/6-1                                  |
| Seismisk lokalisering                    | 3D survey HFC11. Inline 1657. Xline 11536 |
| Utvinningsstillatelse                    | <a href="#">722</a>                       |
| Boreoperatør                             | Equinor Energy AS                         |
| Boretillatelse                           | 1856-L                                    |
| Boreinnretning                           | <a href="#">DEEPSEA NORDKAPP</a>          |
| Boredager                                | 50                                        |
| Borestart                                | 09.04.2021                                |
| Boreslutt                                | 28.05.2021                                |
| Plugget og forlatt dato                  | 28.05.2021                                |
| Frigitt dato                             | 28.02.2022                                |
| Publiseringsdato                         | 28.02.2022                                |
| Opprinnelig formål                       | WILDCAT                                   |
| Gjenåpnet                                | NO                                        |
| Innhold                                  | DRY                                       |
| Funnbrønnbane                            | NO                                        |
| Avstand, boredekk - midlere havflate [m] | 32.7                                      |
| Vanndybde ved midlere havflate [m]       | 439.0                                     |
| Totalt målt dybde (MD) [m RKB]           | 3850.0                                    |
| Totalt vertikalt dybde (TVD) [m RKB]     | 3583.0                                    |
| Maks inklinasjon [°]                     | 38.7                                      |
| Eldste penetrerte alder                  | LATE CARBONIFEROUS                        |
| Eldste penetrerte formasjon              | ØRN FM                                    |
| Geodetisk datum                          | ED50                                      |
| NS grader                                | 73° 34' 39.7" N                           |
| ØV grader                                | 22° 55' 4.88" E                           |
| NS UTM [m]                               | 8169552.05                                |
| ØV UTM [m]                               | 371272.19                                 |
| UTM sone                                 | 35                                        |
| NPDID for brønnbanen                     | 9285                                      |



## Brønnhistorie

### General

Well 7322/6-1 S was drilled to test the Shenzhou prospect on the south-western part of the Bjarmeland Platform in the Barents Sea. The main objectives were to prove petroleum in Snadd Formation Carnian and Ladinian sandstones, and in Late Carboniferous to Early Permian carbonate build-ups in the rn Formation.

### Operations and results

An 8 1/2 pilot hole was drilled to 713 m to check for possible shallow gas in the St and Snadd formations, which were planned to be drilled riser-less. No shallow gas or water flow was encountered.

Wildcat well 7322/6-1 S was spudded with the semi-submersible installation Deepsea Nordkapp on 9 April 2021 and drilled to TD at 3850 m (3583 m TVD) in Late Carboniferous carbonates in the rn Formation. Operations proceeded without significant problems. The well was drilled with spud mud down to 525 m and with KCL/Polymer/GEM mud from 525 m to TD.

Well 7322/6-1 S encountered two sandstone intervals in the Snadd Formation.

An intra-Carnian channel sandstone was identified at 1634 m and is about 35 m thick. Side-wall cores and the conventional core from this section had good shows with both direct and cut fluorescence and hydrocarbon odour starting above this sandstone at 1629 to 1715 m below this sandstone. The channel sandstone is calcareous cemented in the top and silica cemented in the base, while pressure data proved tight to low mobility. An intra-Ladinian deltaic sandstone was identified at 1816 m with ca 20 m gross thickness. This sandstone was tight with no shows. A deeper Ladinian sandstone had weak shows between 1956 to 1964 m.

The rn Formation target was encountered deeper than expected, with carbonate build-ups from 3600 m. Approximately 140 m of rn carbonate build-ups with poor to moderate reservoir quality was drilled and proven dry.

Sandstones with moderate to good reservoir quality were also encountered shallower than the main targets, within the St -Fruholmen formations and Upper Snadd Formation. In the Upper Snadd a sandstone between 1110 and 1116 m had weak shows (no stain or direct fluorescence, cut only), while a cuttings sample at 1520 m had 50% sand with dull direct fluorescence.

Two cores were cut in the Snadd Formation. Core 1 was cut from 1644 to 1698 m with 100% recovery. Core 2 was cut from 1828 to 1892.3 m with 99.8 m recovery. MDT fluid samples were taken at 1667.4 m and 1715.9 m. All samples recovered water.

The well was permanently abandoned on 28 May 2021 as a dry well.

### Testing

No drill stem test was performed.

## Borekaks i Sokkeldirektoratet



|                               |                               |
|-------------------------------|-------------------------------|
| Borekaksprøve, topp dybde [m] | Borekaksprøve, bunn dybde [m] |
| 760.00                        | 3850.00                       |

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

### Borekjerne i Sokkeldirektoratet

| Kjerneprøve nummer | Kjerneprøve - topp dybde | Kjerneprøve - bunn dybde | Kjerneprøve dybde - enhet |
|--------------------|--------------------------|--------------------------|---------------------------|
| 1                  | 1644.0                   | 1698.0                   | [m ]                      |
| 2                  | 1828.0                   | 1892.1                   | [m ]                      |

|                                       |       |
|---------------------------------------|-------|
| Total kjerneprøve lengde [m]          | 118.1 |
| Kjerner tilgjengelig for prøvetaking? | YES   |

### Litostratigrafi

| Topp Dyb [mMD RKB] | Litostrat. enhet                 |
|--------------------|----------------------------------|
| 472                | <a href="#">NORDLAND GP</a>      |
| 472                | <a href="#">NAUST FM</a>         |
| 548                | <a href="#">ADVENTDALEN GP</a>   |
| 548                | <a href="#">KOLMULE FM</a>       |
| 643                | <a href="#">KNURR FM</a>         |
| 651                | <a href="#">HEKKINGEN FM</a>     |
| 679                | <a href="#">FUGLEN FM</a>        |
| 707                | <a href="#">KAPP TOSCANA GP</a>  |
| 707                | <a href="#">STØ FM</a>           |
| 719                | <a href="#">FRUHOLMEN FM</a>     |
| 776                | <a href="#">SNADD FM</a>         |
| 1634               | <a href="#">UNDIFFERENTIATED</a> |
| 1816               | <a href="#">UNDIFFERENTIATED</a> |
| 2190               | <a href="#">SASSEDALEN GP</a>    |
| 2190               | <a href="#">KOBBE FM</a>         |
| 2272               | <a href="#">STEINKOBBE FM</a>    |
| 2391               | <a href="#">KLAPPMYSS FM</a>     |
| 2447               | <a href="#">HAVERT FM</a>        |
| 2519               | <a href="#">TEMPELFJORDEN GP</a> |
| 2519               | <a href="#">ØRRET FM</a>         |
| 3094               | <a href="#">BJARMELAND GP</a>    |



|      |                                  |
|------|----------------------------------|
| 3094 | <a href="#">ISBJØRN FM</a>       |
| 3124 | <a href="#">ULV FM</a>           |
| 3326 | <a href="#">POLARREV FM</a>      |
| 3454 | <a href="#">GIPSDALEN GP</a>     |
| 3454 | <a href="#">ØRN FM</a>           |
| 3600 | <a href="#">UNDIFFERENTIATED</a> |

**Logger**

| Type logg                   | Topp dyp<br>for logg [m] | Bunn dyp for<br>logg [m] |
|-----------------------------|--------------------------|--------------------------|
| MDT CMR                     | 1558                     | 1975                     |
| MSIP NEXT CPEX HRLA XPT     | 1120                     | 2333                     |
| MWD - ADR DGR PWD PCDC      | 3024                     | 3238                     |
| MWD - ADR DGR PWD XBAT PCDC | 525                      | 713                      |
| MWD - ADR DGR PWD XBAT PCDC | 2337                     | 3024                     |
| MWD - ADR GM XBAT PWD DM    | 3290                     | 3850                     |
| MWD - DGR EWR PWD PCDC      | 1539                     | 2337                     |
| MWD - EWR DGR PWD PCDC      | 525                      | 760                      |
| MWD - EWR DGR PWD PCDC      | 763                      | 1539                     |
| MWD - PC DC                 | 472                      | 525                      |
| NEXT CCMR XPT               | 3420                     | 3854                     |
| PEX HRLA                    | 3240                     | 3855                     |
| VSI                         | 1096                     | 3840                     |
| XLR                         | 1575                     | 2320                     |

**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     | 36                            | 522.2                    | 42                             | 525.0                   | 0.00                            |                        |
| INTERM.       | 20                            | 752.8                    | 26                             | 760.0                   | 1.37                            | FIT                    |
| INTERM.       | 13 5/8                        | 1531.4                   | 17 1/2                         | 1539.0                  | 1.80                            | LOT                    |
| LINER         | 9 5/8                         | 2336.0                   | 12 1/4                         | 2337.0                  | 1.62                            | LOT                    |
| LINER         | 7                             | 3237.0                   | 8 1/2                          | 3238.0                  | 1.40                            | FIT                    |
| OPEN HOLE     |                               | 3850.0                   | 6                              | 3850.2                  | 0.00                            |                        |

**Boreslam**



| Dybde MD [m] | Egenvekt, slam [g/cm3] | Viskositet, slam [mPa.s] | Fløytgrense [Pa] | Type slam       | Dato, måling |
|--------------|------------------------|--------------------------|------------------|-----------------|--------------|
| 660          | 1.30                   | 26.0                     | 16.0             | KCl/Polymer     |              |
| 746          | 1.15                   | 8.0                      | 22.0             | KCl/Polymer/GEM |              |
| 762          | 1.03                   | 1.0                      | 0.5              | Seawater        |              |
| 925          | 1.15                   | 15.0                     | 11.0             | KCl/Polymer/GEM |              |
| 1445         | 1.16                   | 19.0                     | 12.5             | KCl/Polymer/GEM |              |
| 1539         | 1.18                   | 20.0                     | 13.0             | KCl/Polymer/GEM |              |
| 1603         | 1.17                   | 21.0                     | 15.5             | KCl/Polymer/GEM |              |
| 1639         | 1.18                   | 20.0                     | 12.0             | KCl/Polymer/GEM |              |
| 1892         | 1.20                   | 20.0                     | 11.5             | KCl/Polymer/GEM |              |
| 2337         | 1.24                   | 22.0                     | 14.0             | KCl/Polymer/GEM |              |
| 2439         | 1.23                   | 16.0                     | 10.0             | KCl/Polymer/GEM |              |
| 2960         | 1.24                   | 18.0                     | 11.0             | KCl/Polymer/GEM |              |
| 3238         | 1.27                   | 16.0                     | 10.0             | KCl/Polymer/GEM |              |
| 3850         | 1.27                   | 16.0                     | 9.5              | KCl/Polymer/GEM |              |