## General information

| | |
|---|---|
| Wellbore name | 7132/2-1 |
| Type | EXPLORATION |
| Purpose | WILDCAT |
| Status | P&A |
| Press release | link to press release |
| Factmaps in new window | link to map |
| Main area | BARENTS SEA |
| Well name | 7132/2-1 |
| Seismic location | ST-14004. Inline: 5839. Xline: 15483 |
| Production licence | 857 |
| Drilling operator | Equinor Energy AS |
| Drill permit | 1740-L |
| Drilling facility | WEST HERCULES |
| Drilling days | 16 |
| Entered date | 01.01.2019 |
| Completed date | 09.02.2019 |
| Plugged and abondon date | 09.02.2019 |
| Release date | 01.07.2020 |
| Publication date | 03.05.2021 |
| Purpose - planned | WILDCAT |
| Reentry | NO |
| Content | DRY |
| Discovery wellbore | NO |
| Kelly bushing elevation [m] | 31.0 |
| Water depth [m] | 293.0 |
| Total depth (MD) [m RKB] | 883.0 |
| Final vertical depth (TVD) [m RKB] | 883.0 |
| Oldest penetrated age | LATE TRIASSIC |
| Oldest penetrated formation | SNADD FM |
| Geodetic datum | ED50 |
| NS degrees | 71° 51' 55.88'' N |
| EW degrees | 32° 25' 56.4'' E |
| NS UTM [m] | 7974242.39 |
| EW UTM [m] | 480278.88 |
| UTM zone | 36 |
| NPDID wellbore | 8629 |

## Wellbore history

### General

Well 7132/2-1 was drilled to test the Gjøkåsen prospect on the Signalhornet Dome on the Finmark Platform in the Barents Sea. This part of the Barents Sea is a frontier exploration area, the nearest offset well is approximately 60 km away. The Gjøkåsen prospect is located approximately 55 km West of the Russian border and 150 km North of the coast of Norway. The primary exploration target for the well was to prove petroleum in reservoir rocks from the Middle and Early Jurassic Age (the Stø, Nordmela, Tubåen and Fruholmen formation). The secondary exploration target was reservoir rocks from the Early Cretaceous and Late Triassic Age (upper part of the Snadd formation).

### Operations and results

A pilot well 7132/2-U-1was spudded on the 30th of December 2018 and drilled to 601.4m MD (600.3m TVD RKB) within the Kolmule Formation. The pilot well confirmed that no shallow gas or reservoirs were present, and that the main well would have the required operational safety margins to drill as planned.

Wildcat well 7132/2-1 was spudded with the semi-submersible installation West Hercules on 1 January 2019 and drilled to TD at 883 m in the Late Triassic Snadd Formation. The top holes on 7132/2-1 and the nearby 7132/2-2 were batch drilled for more efficient operations and save time on running BOP. Hence, operations on 7132/2-1 was suspended at 600 m between 5 and 14 January before drilling could commence with the 12 ¼" section. Operations proceeded without significant problems. The well was drilled with seawater down to 600 m and with KCl/Polymer/GEM mud from 600 m to TD.

In the primary exploration target, well 7132/2-1 encountered about 8 metres of sandstone reservoir with good reservoir quality in the Stø Formation. In the Nordmela, Tubåen and Fruholmen formations, the well encountered about 32 metres of sandstone reservoir with good to very good reservoir quality.  No reservoir rocks were encountered in the secondary exploration target in the Early Cretaceous. In the upper part of the Snadd formation, the well encountered a water-filled sandstone reservoir totalling about 30 metres with moderate to good reservoir quality. The well was dry without oil shows on cuttings or core. The highest gas value was measured at 660m MD, with 1.34%, from the top Hekkingen Formation.

One core was cut from 705 to 722.8 m with 12.47 m recovery (70.1%) in the Stø and Nordmela formations. 10 good XPT pressure points were acquired, but no fluid sample was taken. Maximum pore pressure was 84.07 bar (1.04 g/cc) at 824.5 m.

The well was permanently abandoned on 9 February 2019 as a dry well.

### Testing

No drill stem test was performed.

## Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|---|---|
| 603.00 | 883.00 |

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

### Cores at the Norwegian Offshore Directorate

| Core sample number | Core sample - top depth | Core sample - bottom depth | Core sample depth - uom |
|---|---|---|---|
| 1 | 705.0 | 717.5 | [m ] |

| | |
|---|---|
| Total core sample length [m] | 12.5 |
| Cores available for sampling? | YES |

### Palynological slides at the Norwegian Offshore Directorate

| Sample depth | Depth unit | Sample type | Laboratory |
|---|---|---|---|
| 603.0 | [m] | DC | CGG |
| 609.0 | [m] | DC | CGG |
| 615.0 | [m] | DC | CGG |
| 621.0 | [m] | DC | CGG |
| 627.0 | [m] | DC | CGG |
| 633.0 | [m] | DC | CGG |
| 639.0 | [m] | DC | CGG |
| 645.0 | [m] | DC | CGG |
| 651.0 | [m] | DC | CGG |
| 657.0 | [m] | DC | CGG |
| 660.0 | [m] | DC | CGG |
| 663.0 | [m] | DC | CGG |
| 669.0 | [m] | DC | CGG |
| 673.0 | [m] | DC | CGG |
| 679.0 | [m] | DC | CGG |
| 685.0 | [m] | DC | CGG |
| 688.0 | [m] | DC | CGG |
| 691.0 | [m] | DC | CGG |
| 694.0 | [m] | DC | CGG |
| 697.0 | [m] | DC | CGG |
| 700.0 | [m] | DC | CGG |
| 703.0 | [m] | DC | CGG |
| 706.0 | [m] | DC | CGG |
| 707.5 | [m] | C | CGG |
| 709.8 | [m] | C | CGG |
| 711.3 | [m] | C | CGG |

| | | | |
|---|---|---|---|
| 715.5 | [m] | C | CGG |
| 717.4 | [m] | C | CGG |
| 724.0 | [m] | DC | CGG |
| 727.0 | [m] | DC | CGG |
| 730.0 | [m] | DC | CGG |
| 736.0 | [m] | DC | CGG |
| 742.0 | [m] | DC | CGG |
| 748.0 | [m] | DC | CGG |
| 754.0 | [m] | DC | CGG |
| 760.0 | [m] | DC | CGG |
| 766.0 | [m] | DC | CGG |
| 772.0 | [m] | DC | CGG |
| 778.0 | [m] | DC | CGG |
| 784.0 | [m] | DC | CGG |
| 790.0 | [m] | DC | CGG |
| 796.0 | [m] | DC | CGG |
| 802.0 | [m] | DC | CGG |
| 808.0 | [m] | DC | CGG |
| 814.0 | [m] | DC | CGG |
| 820.0 | [m] | DC | CGG |
| 826.0 | [m] | DC | CGG |
| 832.0 | [m] | DC | CGG |
| 838.0 | [m] | DC | CGG |
| 844.0 | [m] | DC | CGG |
| 850.0 | [m] | DC | CGG |
| 856.0 | [m] | DC | CGG |
| 862.0 | [m] | DC | CGG |
| 868.0 | [m] | DC | CGG |
| 874.0 | [m] | DC | CGG |
| 880.0 | [m] | DC | CGG |
| 883.0 | [m] | DC | CGG |

## Lithostratigraphy

| Top depth [mMD RKB] | Lithostrat. unit |
|---|---|
| 324 | NORDLAND GP |
| 324 | NAUST FM |
| 345 | ADVENTDALEN GP |
| 345 | KOLMULE FM |

| | |
|---|---|
| 654 | KLIPPFISK FM |
| 662 | HEKKINGEN FM |
| 687 | FUGLEN FM |
| 701 | KAPP TOSCANA GP |
| 701 | STØ FM |
| 709 | NORDMELA FM |
| 720 | FRUHOLMEN FM |
| 779 | SNADD FM |

## Logs

| Log type | Log top depth [m] | Log bottom depth [m] |
|---|---|---|
| HRLA HNGS ECS PEX | 670 | 883 |
| MDT CMR | 670 | 883 |
| MSIP FMI | 306 | 883 |
| MWD LWD - ARC TELE | 377 | 600 |
| MWD LWD - GVR ARC TELE | 671 | 705 |
| MWD LWD - GVR ARC TELE | 722 | 883 |
| MWD LWD - GVR ARC TELE ADNVIS | 600 | 671 |
| MWD LWD - TELE 900 | 324 | 377 |
| VSI4 | 306 | 883 |
| XLR | 676 | 767 |
| XLR | 676 | 676 |

## 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 | 36 | 373.9 | 42 | 374.0 | 0.00 | |
| INTERM. | 13 3/8 | 595.0 | 17 1/2 | 600.0 | 1.40 | FIT |
| INTERM. | 9 5/8 | 670.0 | 12 1/4 | 671.0 | 1.54 | FIT |
| OPEN HOLE | | 833.0 | 8 1/2 | 833.0 | 0.00 | |

## Drilling mud

| Depth MD [m] | Mud weight [g/cm3] | Visc. [mPa.s] | Yield point [Pa] | Mud type | Date measured |
|---|---|---|---|---|---|
| 378 | 1.20 | 18.0 | | KCl/Polymer/GEM | |

| | | | | | |
|---|---|---|---|---|---|
| 600 | 1.35 | 25.0 | | KCl/Polymer/GEM | |
| 600 | 1.14 | 15.0 | | KCl/Polymer/GEM | |
| 671 | 1.16 | 15.0 | | KCl/Polymer/GEM | |
| 671 | 1.21 | 16.0 | | KCl/Polymer/GEM | |
| 705 | 1.21 | 17.0 | | KCl/Polymer/GEM | |
| 883 | 1.21 | 18.0 | | KCl/Polymer/GEM | |