



## Generell informasjon

|                                          |                                         |
|------------------------------------------|-----------------------------------------|
| Brønnbane navn                           | 24/9-13 A                               |
| Type                                     | EXPLORATION                             |
| Formål                                   | APPRAISAL                               |
| Status                                   | P&A                                     |
| Pressemelding                            | <a href="#">lenke til pressemelding</a> |
| Faktakart i nytt vindu                   | <a href="#">lenke til kart</a>          |
| Hovedområde                              | NORTH SEA                               |
| Funn                                     | <a href="#">24/9-13 (Rumpetroll)</a>    |
| Brønn navn                               | 24/9-13                                 |
| Seismisk lokalisering                    | DN15M01 Inline 17256 Xline 9555         |
| Utvinningstillatelse                     | <a href="#">869</a>                     |
| Boreoperatør                             | Aker BP ASA                             |
| Boretillatelse                           | 1776-L                                  |
| Boreinnretning                           | <a href="#">DEEPSEA NORDKAPP</a>        |
| Boredager                                | 13                                      |
| Borestart                                | 17.07.2019                              |
| Boreslutt                                | 29.07.2019                              |
| Plugget og forlatt dato                  | 29.07.2019                              |
| Frigitt dato                             | 29.07.2021                              |
| Publiseringsdato                         | 10.11.2021                              |
| Opprinnelig formål                       | APPRAISAL                               |
| Gjenåpnet                                | NO                                      |
| Innhold                                  | GAS                                     |
| Funnbrønnbane                            | NO                                      |
| 1. nivå med hydrokarboner, alder         | EOCENE                                  |
| 1. nivå med hydrokarboner, formasjon.    | HORDALAND GP                            |
| Avstand, boredekk - midlere havflate [m] | 33.0                                    |
| Vanndybde ved midlere havflate [m]       | 117.7                                   |
| Totalt målt dybde (MD) [m RKB]           | 3466.0                                  |
| Totalt vertikalt dybde (TVD) [m RKB]     | 2273.0                                  |
| Eldste penetrerte alder                  | PALEOCENE                               |
| Eldste penetrerte formasjon              | HEIMDAL FM                              |
| Geodetisk datum                          | ED50                                    |
| NS grader                                | 59° 17' 51.89" N                        |
| ØV grader                                | 1° 46' 2.45" E                          |
| NS UTM [m]                               | 6574008.68                              |



|                      |           |
|----------------------|-----------|
| ØV UTM [m]           | 429792.70 |
| UTM sone             | 31        |
| NPDID for brønnbanen | 8845      |

## Brønnhistorie

### General

Well 24/9-13 A is an appraisal side-track to the 24/9-13 well in the Vana Sub-basin in the North Sea. Well 24/9-13 discovered gas in intra- Balder Formation and intra-Hordaland Group injectite sands. The primary objective for the 24/9-13 A side-track was to establish hydrocarbon contacts and sample oil if present.

### Operations and results

Appraisal well 24/9-13 A was kicked off at 1462 m on 17 July 2019 and drilled with the semi-submersible installation Deepsea Nordkapp to TD at 3466 m (2273 m TVD) m in the Paleocene Heimdal Formation. The well was vertical down to about 1500 m, building angle to 75° at about 2050 m and with a sail angle between 70° and 80° through the injectite complex to TD. Operations proceeded without significant problems. The well was drilled with Innovert oil-based mud from kick-off to TD.

Gas was confirmed in two thin injectite sands at 2347 m (~0.5 m thick) and 2576 m (~3 m thick) within the Hordaland Group. No sand was encountered within the Balder Formation. The Heimdal Formation sandstone was water wet as expected. No hydrocarbon contact was established. There were no shows above OBM throughout the well.

No cores were cut. No fluid sample was taken due to insufficient continuous sand thickness as well as deteriorating hole conditions after TD.

The well was permanently abandoned on 29 July 2019 as a gas appraisal well.

### Testing

No drill stem test was performed.

## Borekaks i Sokkeldirektoratet

|                               |                               |
|-------------------------------|-------------------------------|
| Borekaksprøve, topp dybde [m] | Borekaksprøve, bunn dybde [m] |
| 1730.00                       | 3466.00                       |

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

## Litostratigrafi

|                       |                            |
|-----------------------|----------------------------|
| Topp Dyb<br>[mMD RKB] | Litostrat. enhet           |
| 151                   | <a href="#">NORLAND GP</a> |



|      |                                  |
|------|----------------------------------|
| 151  | <a href="#">UNDIFFERENTIATED</a> |
| 264  | <a href="#">UTSIRA FM</a>        |
| 763  | <a href="#">HORDALAND GP</a>     |
| 763  | <a href="#">SKADE FM</a>         |
| 1104 | <a href="#">GRID FM</a>          |
| 1462 | <a href="#">UNDIFFERENTIATED</a> |
| 2339 | <a href="#">NO FORMAL NAME</a>   |
| 2353 | <a href="#">NO FORMAL NAME</a>   |
| 2576 | <a href="#">NO FORMAL NAME</a>   |
| 2598 | <a href="#">ROGALAND GP</a>      |
| 2598 | <a href="#">BALDER FM</a>        |
| 2981 | <a href="#">SELE FM</a>          |
| 3176 | <a href="#">NO FORMAL NAME</a>   |
| 3188 | <a href="#">NO FORMAL NAME</a>   |
| 3427 | <a href="#">HEIMDAL FM</a>       |

## Logger

| Type logg                          | Topp dyp<br>for logg [m] | Bunn dyp for<br>logg [m] |
|------------------------------------|--------------------------|--------------------------|
| LWD - ABGR DIR DGR RES DENS<br>POR | 1685                     | 3465                     |
| LWD - DIR GR RES PWD               | 1504                     | 1724                     |
| LWD - GEOT PWD SON                 | 1685                     | 3465                     |

## 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 |
|---------------|-------------------------------|--------------------------|--------------------------------|-------------------------|---------------------------------|------------------------|
| INTERM.       | 10 3/4                        | 1718.0                   | 12 1/4                         | 1724.0                  | 1.54                            | FIT                    |
| OPEN HOLE     |                               | 3465.8                   | 9 1/2                          | 3465.8                  | 0.00                            |                        |