



## Generell informasjon

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Brønnbane navn                           | 2/4-1                             |
| Type                                     | EXPLORATION                       |
| Formål                                   | WILDCAT                           |
| Status                                   | JUNKED                            |
| Faktakart i nytt vindu                   | <a href="#">lenke til kart</a>    |
| Hovedområde                              | NORTH SEA                         |
| Brønn navn                               | 2/4-1                             |
| Seismisk lokalisering                    | PG S6331 & SP 12-1                |
| Utvinningstillatelse                     | <a href="#">018</a>               |
| Boreoperatør                             | Phillips Petroleum Company Norway |
| Boretillatelse                           | 33-L                              |
| Boreinnretning                           | <a href="#">OCEAN VIKING</a>      |
| Boredager                                | 23                                |
| Borestart                                | 25.08.1969                        |
| Boreslutt                                | 16.09.1969                        |
| Frigitt dato                             | 16.09.1971                        |
| Publiseringsdato                         | 18.01.2007                        |
| Opprinnelig formål                       | WILDCAT                           |
| Gjenåpnet                                | NO                                |
| Innhold                                  | OIL/GAS SHOWS                     |
| Funnbrønnbane                            | NO                                |
| Avstand, boredekk - midlere havflate [m] | 27.0                              |
| Vanndybde ved midlere havflate [m]       | 70.5                              |
| Totalt målt dybde (MD) [m RKB]           | 1662.0                            |
| Totalt vertikalt dybde (TVD) [m RKB]     | 1662.0                            |
| Eldste penetrerte alder                  | MIOCENE                           |
| Eldste penetrerte formasjon              | NORDLAND GP                       |
| Geodetisk datum                          | ED50                              |
| NS grader                                | 56° 32' 40.23" N                  |
| ØV grader                                | 3° 11' 55.22" E                   |
| NS UTM [m]                               | 6266841.71                        |
| ØV UTM [m]                               | 512216.57                         |
| UTM sone                                 | 31                                |
| NPDID for brønnbanen                     | 895                               |



## Brønnhistorie

### General

Wildcat well 2/4-1 drilled by Phillips was the first well to be drilled in block 2/4 and the thirty-second to be drilled on the Norwegian continental shelf altogether without making a commercial discovery. The objective of the 2/4-1 well was to test the hydrocarbon potential of the Tertiary and top Mesozoic.

### Operations and results

Well 2/4-1 was spudded with the semi-submersible installation Ocean Viking on 21 August 1969 and drilled to TD at 1662 m in Miocene dolomite (Nordland Group) where it was terminated due to oil kicks and circulation problems.

A 200 ml sample of the kick-oil was centrifuged from the mud. The probable depth of the sample was reported to be 1646 m to 1661 m. Due to a high content of water and solids still remaining after centrifuging, and because the virgin mud itself contained "a small amount of gasoil", an exact characterisation of the native oil could not be made. However, the oil had high viscosity, and true boiling point distillation indicated that more than 50% of the oil was a heavy residue with boiling point above 400 deg C. The oil was also reported to have a "disagreeable odor of oxidised hydrocarbons". No cores were cut and no wire line logs were run.

The well was junked and permanently abandoned on 16 September 1969 as a well with strong oil shows. The original well objectives were not fulfilled, and since the oil kick could indicate a discovery a new well (2/4-2) was initiated two days later at a location ca 1 km south of the 2/4-1 well.

### Testing

No drill stem test was performed

## Borekaks i Sokkeldirektoratet

| Borekaksprøve, topp dybde [m] | Borekaksprøve, bunn dybde [m] |
|-------------------------------|-------------------------------|
| 627.89                        | 1219.20                       |

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

## Litostratigrafi

| Topp Dyb<br>[mMD RKB] | Litostrat. enhet            |
|-----------------------|-----------------------------|
| 98                    | <a href="#">NORDLAND GP</a> |

## Geokjemisk informasjon





| Dokument navn         | Dokument format | Dokument størrelse [KB] |
|-----------------------|-----------------|-------------------------|
| <a href="#">895_1</a> | pdf             | 0.47                    |

#### Dokumenter - eldre Sokkeldirektoratets WDSS rapporter og andre relaterte dokumenter

| Dokument navn                                   | Dokument format | Dokument størrelse [KB] |
|-------------------------------------------------|-----------------|-------------------------|
| <a href="#">895_01_WDSS_General_Information</a> | pdf             | 0.17                    |

#### Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

| Dokument navn                                                     | Dokument format | Dokument størrelse [KB] |
|-------------------------------------------------------------------|-----------------|-------------------------|
| <a href="#">895_01_2_4_1_Well_Completion_report</a>               | PDF             | 0.49                    |
| <a href="#">895_2_4_1_Report_on_Analysis_of_an_Oil_Sample</a>     | pdf             | 0.61                    |
| <a href="#">895_2_4_1_The_Micropalaeontology_and_Stratigraphy</a> | pdf             | 1.67                    |

#### Foringsrør og formasjonsstyrketester

| Type utforing | Utforing diam. [tommer] | Utforing dybde [m] | Brønnbane diam. [tommer] | Brønnbane dyp [m] | LOT/FIT slam eqv. [g/cm3] | Type formasjonstest |
|---------------|-------------------------|--------------------|--------------------------|-------------------|---------------------------|---------------------|
| CONDUCTOR     | 20                      | 146.0              | 26                       | 148.0             | 0.00                      | LOT                 |
| SURF.COND.    | 13 3/8                  | 623.0              | 17 1/2                   | 625.0             | 0.00                      | LOT                 |
| OPEN HOLE     |                         | 1662.0             | 12 1/4                   | 1662.0            | 0.00                      | LOT                 |

#### Boreslam

| Dybde MD [m] | Egenvekt, slam [g/cm3] | Viskositet, slam [mPa.s] | Flytegrense [Pa] | Type slam | Dato, måling |
|--------------|------------------------|--------------------------|------------------|-----------|--------------|
| 160          | 1.07                   | 100.0                    |                  | spud mud  |              |
| 680          | 1.23                   | 70.0                     |                  | spud mud  |              |
| 1069         | 1.44                   | 38.0                     |                  | spud mud  |              |
| 1459         | 1.56                   | 45.0                     |                  | spud mud  |              |
| 1662         | 1.59                   | 44.0                     |                  | spud mud  |              |

#### Tynnslip i Sokkeldirektoratet





| Dybde    | Enhet |
|----------|-------|
| 10010.00 | [ft ] |
| 10015.00 | [ft ] |