## Generell informasjon

| | |
|---|---|
| Brønnbane navn | 7/3-1 |
| Type | EXPLORATION |
| Formål | WILDCAT |
| Status | P&A |
| Faktakart i nytt vindu | lenke til kart |
| Hovedområde | NORTH SEA |
| Brønn navn | 7/3-1 |
| Seismisk lokalisering | LINE 66-14 SP.2091 |
| Utvinningstillatelse | 005 |
| Boreoperatør | Amoco Norway Oil Company |
| Boretillatelse | 25-L |
| Boreinnretning | ORION |
| Boredager | 65 |
| Borestart | 07.04.1969 |
| Boreslutt | 10.06.1969 |
| Frigitt dato | 10.06.1971 |
| Publiseringsdato | 24.09.2004 |
| Opprinnelig formål | WILDCAT |
| Gjenåpnet | NO |
| Innhold | DRY |
| Funnbrønnbane | NO |
| Avstand, boredekk - midlere havflate [m] | 31.0 |
| Vanndybde ved midlere havflate [m] | 64.0 |
| Totalt målt dybde (MD) [m RKB] | 4700.0 |
| Totalt vertikalt dybde (TVD) [m RKB] | 4700.0 |
| Maks inklinasjon [°] | 3.75 |
| Temperatur ved bunn av brønnbanen [°C] | 131 |
| Eldste penetrerte alder | CARBONIFEROUS |
| Eldste penetrerte formasjon | UNDEFINED GP |
| Geodetisk datum | ED50 |
| NS grader | 57° 50' 35.25'' N |
| ØV grader | 2° 44' 55.61'' E |
| NS UTM [m] | 6411418.07 |
| ØV UTM [m] | 485085.01 |
| UTM sone | 31 |
| NPDID for brønnbanen | 164 |

## Brønnhistorie

**General**

Exploration well 7/3-1 was drilled on the Sørvestlandet High close to the Western part of the Danish Norwegian Basin. Objectives were to test all horizons down to Permian Rotliegendes.

The well is Reference well for the Ran Sandstone Units.

**Operations and results**

Well 7/3-1 was spudded with the jack-up installation Orion on 7 April and drilled to TD at 4699 m in carbonates of an assumed pre-Permian age. Seawater was used to drill the 36" hole and returns were to the sea floor. A sea water/ Spersene/XP-20 mud was used to a depth of 2735 m, approximately to the top of the rock salt. The mud system was then converted to an invert emulsion oil based mud, which was used to TD. While drilling at 4699 m (TD) a salt water flow occurred and contaminated the mud. The flow was controlled, but the condition of the hole was bad and the lower approximately 120 m of the well, therefore, has not been logged.

The well penetrated relatively complete Tertiary, Cretaceous, Late Jurassic, and the Permian sequences. The Triassic and the Early Jurassic were missing. The Permian Zechstein salt was 1437 m thick, resting on a thin Kupferschiefer sequence. None of the sedimentary sequences penetrated contained significant amounts of hydrocarbons. Three conventional cores were cut in the interval from 4380.6 m to 4575.4 m from the Zechstein salt and into the Rotliegendes Group. No fluid samples were taken.

The well was permanently abandoned 10 June 1969 as a dry well.

**Testing**

No drill stem test was performed

## Borekjerner i Sokkeldirektoratet

| Kjerneprøve nummer | Kjerneprøve - topp dybde | Kjerneprøve - bunn dybde | Kjerneprøve dybde - enhet |
|---|---|---|---|
| 1 | 4380.6 | 4385.0 | [m ] |
| 2 | 4414.7 | 4433.9 | [m ] |
| 3 | 4547.9 | 4575.4 | [m ] |

| | |
|---|---|
| Total kjerneprøve lengde [m] | 51.1 |
| Kjerner tilgjengelig for prøvetaking? | YES |

## Palynologiske preparater i Sokkeldirektoratet

| Prøve dybde | Dybde enhet | Prøve type | Laboratorie |
|---|---|---|---|
| 8700.0 | [ft] | DC | OU |
| 8760.0 | [ft] | DC | SGU |
| 8770.0 | [ft] | DC | OU |
| 8780.0 | [ft] | DC | OU |
| 8790.0 | [ft] | DC | OU |
| 8800.0 | [ft] | DC | SGU |
| 8800.0 | [ft] | DC | OU |
| 8830.0 | [ft] | DC | OU |
| 8840.0 | [ft] | DC | SGU |

**Litostratigrafi**

| Topp Dyb [mMD RKB] | Litostrat. enhet |
|---|---|
| 95 | NORDLAND GP |
| 881 | HORDALAND GP |
| 1712 | ROGALAND GP |
| 1712 | BALDER FM |
| 1758 | SELE FM |
| 1820 | LISTA FM |
| 1845 | VÅLE FM |
| 1882 | SHETLAND GP |
| 1882 | EKOFISK FM |
| 1890 | TOR FM |
| 2260 | HOD FM |
| 2386 | CROMER KNOLL GP |
| 2386 | RØDBY FM |
| 2396 | RAN SANDSTONE UNITS |
| 2412 | SOLA FM |
| 2419 | ÅSGARD FM |
| 2598 | BOKNFJORD GP |
| 2598 | FLEKKEFJORD FM |
| 2643 | SAUDA FM |
| 2655 | VESTLAND GP |
| 2655 | SANDNES FM |
| 2696 | ZECHSTEIN GP |
| 2696 | UNDIFFERENTIATED |
| 4402 | KUPFERSCHIEFER FM |
| 4406 | ROTLIEGEND GP |

| | |
|---|---|
| 4692 | UNDEFINED GP |

### Spleisede logger

| Dokument navn | Dokument format | Dokument størrelse [KB] |
|---|---|---|
| 164 | pdf | 0.39 |

### Geokjemisk informasjon

| Dokument navn | Dokument format | Dokument størrelse [KB] |
|---|---|---|
| 164_1_Preliminary results of Petroleum Geochemical Studies_1978 | pdf | 0.43 |

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

| Dokument navn | Dokument format | Dokument størrelse [KB] |
|---|---|---|
| 164_01_WDSS_General_Information | pdf | 0.20 |

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

| Dokument navn | Dokument format | Dokument størrelse [KB] |
|---|---|---|
| 164_1_Completion_Report | pdf | 11.98 |

### Dokumenter - Sokkeldirektoratets publikasjoner

| Dokument navn | Dokument format | Dokument størrelse [KB] |
|---|---|---|
| 164_01_NPD_Paper_No.20_Lithology__Well_7_3_1 | pdf | 10.63 |
| 164_02_NPD_Paper_No.20_Interpreted_Lithology_log__Well_7_3_1 | pdf | 86.42 |

### Logger

| Type logg | Topp dyp for logg [m] | Bunn dyp for logg [m] |
|---|---|---|
| BHC SONIC | 2708 | 4380 |
| BHC SONIC GR | 362 | 1717 |
| BHC SONIC GR | 4328 | 4578 |
| CDM | 1538 | 2719 |
| CDM DIR | 4328 | 4578 |
| DIL | 4328 | 4580 |
| FDC | 362 | 2720 |
| FDC | 4328 | 4578 |
| IEL | 362 | 2721 |
| NP | 4328 | 4579 |
| VSP | 130 | 1882 |

**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 | 30 | 146.0 | 36 | 146.0 | 0.00 | LOT |
| SURF.COND. | 20 | 363.0 | 26 | 371.0 | 0.00 | LOT |
| INTERM. | 13 3/8 | 1557.0 | 17 1/2 | 1557.0 | 0.00 | LOT |
| INTERM. | 9 5/8 | 2708.0 | 12 1/4 | 2720.0 | 0.00 | LOT |
| OPEN HOLE | | 4700.0 | 8 1/2 | 4700.0 | 0.00 | LOT |

**Boreslam**

| Dybde MD [m] | Egenvekt, slam [g/cm3] | Viskositet, slam [mPa.s] | Flytegrense [Pa] | Type slam | Dato, måling |
|---|---|---|---|---|---|
| 136 | 1.11 | 44.0 | | seawater | |
| 371 | 1.34 | 43.0 | | seawater | |
| 748 | 1.25 | 44.0 | | seawater | |
| 1556 | 1.31 | 45.0 | | seawater | |
| 2164 | 1.40 | 47.0 | | seawater | |
| 2700 | 1.38 | 45.0 | | seawater | |
| 3374 | 1.69 | 53.0 | | seawater | |
| 4394 | 1.77 | 61.0 | | seawater | |
| 4640 | 1.79 | 70.0 | | seawater | |

**Tynnslip i Sokkeldirektoratet**

| Dybde | Enhet |
|---|---|
| 14485.00 | [ft ] |
| 14516.10 | [ft ] |
| 14542.00 | [ft ] |
| 14933.50 | [ft ] |
| 14948.00 | [ft ] |
| 14953.50 | [ft ] |
| 14992.70 | [ft ] |
| 15003.50 | [ft ] |
| 1448.40 | [ft ] |
| 14498.00 | [ft ] |
| 14921.00 | [ft ] |
| 14531.00 | [ft ] |