



## Generell informasjon

|                                          |                                  |
|------------------------------------------|----------------------------------|
| Brønnbane navn                           | 6608/11-1                        |
| Type                                     | EXPLORATION                      |
| Formål                                   | WILDCAT                          |
| Status                                   | P&A                              |
| Faktakart i nytt vindu                   | <a href="#">lenke til kart</a>   |
| Hovedområde                              | NORWEGIAN SEA                    |
| Brønn navn                               | 6608/11-1                        |
| Seismisk lokalisering                    | NRGS 84 - 456 SP. 3540           |
| Utvinningstillatelse                     | <a href="#">128</a>              |
| Boreoperatør                             | Den norske stats oljeselskap a.s |
| Boretillatelse                           | 523-L                            |
| Boreinnretning                           | <a href="#">DYVI STENA</a>       |
| Boredager                                | 26                               |
| Borestart                                | 19.07.1986                       |
| Boreslutt                                | 13.08.1986                       |
| Frigitt dato                             | 13.08.1988                       |
| Publiseringsdato                         | 15.12.2006                       |
| Opprinnelig formål                       | WILDCAT                          |
| Gjenåpnet                                | NO                               |
| Innhold                                  | DRY                              |
| Funnbrønnbane                            | NO                               |
| Avstand, boredekk - midlere havflate [m] | 25.0                             |
| Vanndybde ved midlere havflate [m]       | 381.0                            |
| Totalt målt dybde (MD) [m RKB]           | 1620.0                           |
| Totalt vertikalt dybde (TVD) [m RKB]     | 1620.0                           |
| Eldste penetrerte alder                  | LATE TRIASSIC                    |
| Eldste penetrerte formasjon              | GREY BEDS (INFORMAL)             |
| Geodetisk datum                          | ED50                             |
| NS grader                                | 66° 1' 4.02" N                   |
| ØV grader                                | 8° 23' 38.67" E                  |
| NS UTM [m]                               | 7322210.51                       |
| ØV UTM [m]                               | 472517.23                        |
| UTM sone                                 | 32                               |
| NPDID for brønnbanen                     | 936                              |



## Brønnhistorie

### General

Well 6608/11-1 was drilled on the Nordland Ridge, west of the Helgeland Basin and east of the Norne Field area. The Primary objective was sandstones of Middle to Early Jurassic age. The well should drill into Triassic deposits expected at 2010 m and TD was planned at 2095 m.

### Operations and results

Wildcat well 6608/11-1 was spudded with the semi-submersible installation Dyvi Stena on 19 July 1986. Due to unexpected geological development, the well was terminated already at 1620 m in Late Triassic Grey Beds. Drilling proceeded without significant problems. The well was drilled with seawater bentonite spud mud down to 695 m, with KCl/polymer mud from 695 m to 1619 m, and with bentonite/polymer mud from 1619 m to TD.

The well penetrated Pliocene rocks with traces of tuff, which were interpreted as re-worked Paleocene tuffaceous rocks. Due to erosion these Pliocene rocks were situated on top of the Paleocene deposits, implying that most of the Tertiary rocks are missing. The Paleocene sediments were resting on Early Jurassic sediments, Åre Formation at 1233 m. Only the lowermost part of the Åre Formation was present due to erosion, implying that the whole of the Cretaceous and most of the Jurassic succession is missing in the well. The penetrated Åre Formation consisted of interbedded sandstones and claystones with minor coal beds. The electrical logs showed that the formation was water filled. No shows were reported from any section in the well neither on-rig, or from post-well geochemical analyses.

One core was cut in the interval 1372 - 1397.7 m in Triassic rocks. No wire line pressure data or fluid samples were collected in the well.

The well was permanently abandoned on 13 August 1986 as a dry well

### Testing

No drill stem test was performed

## Borekaks i Sokkeldirektoratet

| Borekaksprøve, topp dybde [m] | Borekaksprøve, bunn dybde [m] |
|-------------------------------|-------------------------------|
| 525.00                        | 1619.00                       |

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

## Borekjerne i Sokkeldirektoratet

| Kjerneprøve nummer | Kjerneprøve - topp dybde | Kjerneprøve - bunn dybde | Kjerneprøve dybde - enhet |
|--------------------|--------------------------|--------------------------|---------------------------|
| 1                  | 1372.0                   | 1397.7                   | [m ]                      |



|                                       |      |
|---------------------------------------|------|
| Total kjerneprøve lengde [m]          | 25.7 |
| Kjerner tilgjengelig for prøvetaking? | YES  |

### Kjernebilder



1372-1377m



1377-1382m



1382-1387m



1387-1392m



1392-1397m



1372-1397m

### Palynologiske preparater i Sokkeldirektoratet

| Prøve dybde | Dybde enhet | Prøve type | Laboratorie |
|-------------|-------------|------------|-------------|
| 1184.9      | [m]         | DC         | STRAT       |
| 1211.0      | [m]         | DC         | STRAT       |
| 1223.9      | [m]         | DC         | STRAT       |
| 1231.0      | [m]         | DC         | STRAT       |
| 1243.0      | [m]         | DC         | STRAT       |
| 1249.0      | [m]         | DC         | STRAT       |
| 1265.9      | [m]         | DC         | STRAT       |
| 1280.0      | [m]         | DC         | STRAT       |
| 1322.0      | [m]         | DC         | STRAT       |
| 1331.0      | [m]         | DC         | STRAT       |
| 1340.0      | [m]         | DC         | STRAT       |
| 1361.0      | [m]         | DC         | STRAT       |
| 1372.0      | [m]         | DC         | STRAT       |
| 1384.0      | [m]         | DC         | STRAT       |
| 1397.0      | [m]         | DC         | STRAT       |
| 1412.0      | [m]         | DC         | STRAT       |
| 1421.0      | [m]         | DC         | STRAT       |



|        |     |    |       |
|--------|-----|----|-------|
| 1433.0 | [m] | DC | STRAT |
| 1442.0 | [m] | DC | STRAT |
| 1450.0 | [m] | DC | STRAT |
| 1463.0 | [m] | DC | STRAT |
| 1472.0 | [m] | DC | STRAT |
| 1490.0 | [m] | DC | STRAT |
| 1502.0 | [m] | DC | STRAT |
| 1511.0 | [m] | DC | STRAT |
| 1519.9 | [m] | DC | STRAT |
| 1532.0 | [m] | DC | STRAT |
| 1541.0 | [m] | DC | STRAT |
| 1550.0 | [m] | DC | STRAT |
| 1562.0 | [m] | DC | STRAT |
| 1571.0 | [m] | DC | STRAT |
| 1583.0 | [m] | DC | STRAT |
| 1595.0 | [m] | DC | STRAT |
| 1601.0 | [m] | DC | STRAT |
| 1615.0 | [m] | DC | STRAT |
| 1619.0 | [m] | DC | STRAT |

Litostratigrafi

| Topp Dyb<br>[mMD RKB] | Litostrat. enhet                     |
|-----------------------|--------------------------------------|
| 406                   | <a href="#">NORDLAND GP</a>          |
| 406                   | <a href="#">NAUST FM</a>             |
| 1177                  | <a href="#">ROGALAND GP</a>          |
| 1177                  | <a href="#">TARE FM</a>              |
| 1222                  | <a href="#">TANG FM</a>              |
| 1233                  | <a href="#">BÅT GP</a>               |
| 1233                  | <a href="#">ÅRE FM</a>               |
| 1318                  | <a href="#">GREY BEDS (INFORMAL)</a> |

Geokjemisk informasjon

| Dokument navn         | Dokument format | Dokument størrelse [KB] |
|-----------------------|-----------------|-------------------------|
| <a href="#">936_1</a> | pdf             | 0.39                    |
| <a href="#">936_2</a> | pdf             | 0.45                    |
| <a href="#">936_3</a> | pdf             | 1.06                    |





|                       |     |      |
|-----------------------|-----|------|
| <a href="#">936 4</a> | pdf | 3.74 |
|-----------------------|-----|------|

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

| Dokument navn                                   | Dokument format | Dokument størrelse [KB] |
|-------------------------------------------------|-----------------|-------------------------|
| <a href="#">936 01 WDSS General Information</a> | pdf             | 0.21                    |
| <a href="#">936 02 WDSS completion log</a>      | pdf             | 0.16                    |

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

| Dokument navn                                           | Dokument format | Dokument størrelse [KB] |
|---------------------------------------------------------|-----------------|-------------------------|
| <a href="#">936 01 6608 11 1 Completion report</a>      | pdf             | 6.90                    |
| <a href="#">936 02 6608 11 1 Completion log</a>         | pdf             | 0.77                    |
| <a href="#">936 6608 11 1 COMPLETION REPORT AND LOG</a> | pdf             | 13.74                   |

### Logger

| Type logg       | Topp dyp for logg [m] | Bunn dyp for logg [m] |
|-----------------|-----------------------|-----------------------|
| CST             | 715                   | 1170                  |
| CST             | 1185                  | 1615                  |
| ISF BHC GR      | 677                   | 1170                  |
| ISF BHC MSFL GR | 1165                  | 1613                  |
| ISF LSS GR      | 519                   | 693                   |
| LDL CNL GR      | 1165                  | 1614                  |
| LDL GR          | 519                   | 693                   |
| LDL GR          | 677                   | 1171                  |
| MWD - GR RES    | 525                   | 1620                  |
| SHDT GR         | 1165                  | 1614                  |
| VSP             | 870                   | 1615                  |

### 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                      | 519.0              | 36                       | 524.0             | 0.00                      | LOT                 |
| SURF.COND.    | 20                      | 677.0              | 26                       | 695.0             | 1.42                      | LOT                 |





|         |        |        |        |        |      |     |
|---------|--------|--------|--------|--------|------|-----|
| INTERM. | 13 3/8 | 1165.0 | 17 1/2 | 1185.0 | 1.50 | LOT |
|---------|--------|--------|--------|--------|------|-----|

### Boreslam

| Dybde<br>MD [m] | Egenvekt,<br>slam<br>[g/cm <sup>3</sup> ] | Viskositet,<br>slam<br>[mPa.s] | Flytegrense<br>[Pa] | Type slam   | Dato, måling |
|-----------------|-------------------------------------------|--------------------------------|---------------------|-------------|--------------|
| 695             | 1.12                                      | 700.0                          | 30.5                | WATER BASED | 27.07.1986   |
| 695             | 1.10                                      | 1400.0                         | 5.1                 | WATER BASED | 30.07.1986   |
| 695             | 1.12                                      | 1100.0                         | 33.0                | WATER BASED | 27.07.1986   |
| 757             | 1.10                                      | 1900.0                         | 6.8                 | WATER BASED | 31.07.1986   |
| 1015            | 1.30                                      | 2200.0                         | 8.4                 | WATER BASED | 11.08.1986   |
| 1066            | 1.11                                      | 1600.0                         | 5.9                 | WATER BASED | 01.08.1986   |
| 1182            | 1.21                                      | 2900.0                         | 10.9                | WATER BASED | 04.08.1986   |
| 1182            | 0.00                                      | 2700.0                         | 11.4                | WATERBASED  | 04.08.1986   |
| 1185            | 1.25                                      | 2100.0                         | 5.9                 | WATER BASED | 04.08.1986   |
| 1276            | 1.35                                      | 2900.0                         | 10.9                | WATER BASED | 05.08.1986   |
| 1372            | 1.33                                      | 3000.0                         | 10.2                | WATER BASED | 06.08.1986   |
| 1399            | 1.28                                      | 2300.0                         | 8.0                 | WATER BASED | 07.08.1986   |
| 1620            | 1.28                                      | 2400.0                         | 6.8                 | WATER BASED | 08.08.1986   |
| 1620            | 1.30                                      | 2200.0                         | 8.5                 | WATER BASED | 11.08.1986   |