



## Generell informasjon

|                                          |                                  |
|------------------------------------------|----------------------------------|
| Brønnbane navn                           | 30/6-24 S                        |
| Type                                     | EXPLORATION                      |
| Formål                                   | WILDCAT                          |
| Status                                   | P&A                              |
| Faktakart i nytt vindu                   | <a href="#">lenke til kart</a>   |
| Hovedområde                              | NORTH SEA                        |
| Brønn navn                               | 30/6-24                          |
| Seismisk lokalisering                    | NH 850 - 110 SP. 182             |
| Utvinningstillatelse                     | <a href="#">170</a>              |
| Boreoperatør                             | Norsk Hydro Produksjon AS        |
| Boretillatelse                           | 700-L                            |
| Boreinnretning                           | <a href="#">VILDKAT EXPLORER</a> |
| Boredager                                | 55                               |
| Borestart                                | 13.10.1991                       |
| Boreslutt                                | 06.12.1991                       |
| Frigitt dato                             | 06.12.1993                       |
| Publiseringsdato                         | 29.03.2014                       |
| Opprinnelig formål                       | WILDCAT                          |
| Gjenåpnet                                | NO                               |
| Innhold                                  | SHOWS                            |
| Funnbrønnbane                            | NO                               |
| Avstand, boredekk - midlere havflate [m] | 25.0                             |
| Vanndybde ved midlere havflate [m]       | 120.0                            |
| Totalt målt dybde (MD) [m RKB]           | 3986.0                           |
| Totalt vertikalt dybde (TVD) [m RKB]     | 3742.0                           |
| Maks inklinasjon [°]                     | 33.9                             |
| Temperatur ved bunn av brønnbanen [°C]   | 140                              |
| Eldste penetrerte alder                  | LATE TRIASSIC                    |
| Eldste penetrerte formasjon              | LUNDE FM                         |
| Geodetisk datum                          | ED50                             |
| NS grader                                | 60° 42' 2.74" N                  |
| ØV grader                                | 2° 41' 34.28" E                  |
| NS UTM [m]                               | 6729655.59                       |
| ØV UTM [m]                               | 483230.99                        |
| UTM sone                                 | 31                               |
| NPDID for brønnbanen                     | 1855                             |



## Brønnhistorie

### General

Well 30/6-24 S was drilled on the Delta Structure, some 5 km north of the main Oseberg Field area. The primary objective was to test the hydrocarbon potential of the Statfjord Formation.

### Operations and results

Wildcat well was spudded with the semi-submersible installation Vildkat Explorer on 13 October 1991 and drilled to TD at 3986 m (3742 m TVD). The well was offset from the target location and deviated below 1035 m due to the proximity of a 30" gas pipeline above the target co-ordinates. An 8 1/2" pilot hole was drilled from 231 m to 422 m to check for shallow gas, but no shallow gas was found. The well was drilled with spud mud down to 1017 m, with KCl mud from 1017 m to 3300 m, and with Thermadril WBM mud from 3300 m to TD. When running the 9 5/8" casing it stuck at 3052 m. A spot of 25 m3 EZ spot/diesel was added to free the casing and this oil was in the mud down to 3974 m.

An oil show was recorded on cuttings from a limestone stringer at 2505 m. Top Jurassic, Dunlin Group came in at 3581 m. Dunlin Group had sporadic weak shows on siltstone cuttings. Top of target reservoir Statfjord Group was encountered at 3683 m. It was water bearing with oil shows on core no 1 in a 2-meter zone from 3686 m to 3688 m. Otherwise no hydrocarbon indications were recorded in the well.

Two cores were cut in the top of the Statfjord Group from 3682 m to 3712 m. No wire line fluid samples were taken.

The well was permanently abandoned on 6 December 1991 as a dry well with shows.

### Testing

No drill stem test was performed.

## Borekaks i Sokkeldirektoratet

| Borekaksprøve, topp dybde [m] | Borekaksprøve, bunn dybde [m] |
|-------------------------------|-------------------------------|
| 1040.00                       | 3985.00                       |

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

## Borekjerne i Sokkeldirektoratet

| Kjerneprøve nummer | Kjerneprøve - topp dybde | Kjerneprøve - bunn dybde | Kjerneprøve dybde - enhet |
|--------------------|--------------------------|--------------------------|---------------------------|
| 1                  | 3682.0                   | 3692.0                   | [m ]                      |
| 2                  | 3696.5                   | 3712.0                   | [m ]                      |



|                                       |      |
|---------------------------------------|------|
| Total kjerneprøve lengde [m]          | 25.5 |
| Kjerner tilgjengelig for prøvetaking? | YES  |

### Kjernebilder



3682-3687m



3687-3692m



3696-3701m



3701-3706m



3706-3711m

### Palynologiske preparater i Sakkeldirektoratet

| Prøve dybde | Dybde enhet | Prøve type | Laboratorie |
|-------------|-------------|------------|-------------|
| 1130.0      | [m]         | DC         | SPT         |
| 1160.0      | [m]         | DC         | SPT         |
| 1190.0      | [m]         | DC         | SPT         |
| 1220.0      | [m]         | DC         | SPT         |
| 1250.0      | [m]         | DC         | SPT         |
| 1280.0      | [m]         | DC         | SPT         |
| 1310.0      | [m]         | DC         | SPT         |
| 1340.0      | [m]         | DC         | SPT         |
| 1370.0      | [m]         | DC         | SPT         |
| 1400.0      | [m]         | DC         | SPT         |
| 1430.0      | [m]         | DC         | SPT         |
| 1460.0      | [m]         | DC         | SPT         |
| 1490.0      | [m]         | DC         | SPT         |
| 1520.0      | [m]         | DC         | SPT         |
| 1550.0      | [m]         | DC         | SPT         |
| 1580.0      | [m]         | DC         | SPT         |
| 1610.0      | [m]         | DC         | SPT         |
| 1640.0      | [m]         | DC         | SPT         |
| 1670.0      | [m]         | DC         | SPT         |
| 1700.0      | [m]         | DC         | SPT         |
| 1730.0      | [m]         | DC         | SPT         |
| 1760.0      | [m]         | DC         | SPT         |
| 1790.0      | [m]         | DC         | SPT         |



|        |     |    |     |
|--------|-----|----|-----|
| 1820.0 | [m] | DC | SPT |
| 1850.0 | [m] | DC | SPT |
| 1880.0 | [m] | DC | SPT |
| 1910.0 | [m] | DC | SPT |
| 1940.0 | [m] | DC | SPT |
| 2030.0 | [m] | DC | SPT |
| 2060.0 | [m] | DC | SPT |
| 2120.0 | [m] | DC | SPT |
| 2130.0 | [m] | DC | SPT |
| 2150.0 | [m] | DC | SPT |
| 2170.0 | [m] | DC | SPT |
| 2180.0 | [m] | DC | SPT |
| 2210.0 | [m] | DC | SPT |
| 2230.0 | [m] | DC | SPT |
| 2240.0 | [m] | DC | SPT |
| 2270.0 | [m] | DC | SPT |
| 2300.0 | [m] | DC | SPT |
| 2320.0 | [m] | DC | SPT |
| 2330.0 | [m] | DC | SPT |
| 2350.0 | [m] | DC | SPT |
| 2360.0 | [m] | DC | SPT |
| 2390.0 | [m] | DC | SPT |
| 2410.0 | [m] | DC | SPT |
| 2420.0 | [m] | DC | SPT |
| 2440.0 | [m] | DC | SPT |
| 2450.0 | [m] | DC | SPT |
| 2470.0 | [m] | DC | SPT |
| 2480.0 | [m] | DC | SPT |
| 2500.0 | [m] | DC | SPT |
| 2510.0 | [m] | DC | SPT |
| 2525.0 | [m] | DC | SPT |
| 2540.0 | [m] | DC | SPT |
| 2555.0 | [m] | DC | SPT |
| 2570.0 | [m] | DC | SPT |
| 2600.0 | [m] | DC | SPT |
| 2615.0 | [m] | DC | SPT |
| 2630.0 | [m] | DC | SPT |
| 2645.0 | [m] | DC | SPT |
| 2675.0 | [m] | DC | SPT |
| 2720.0 | [m] | DC | SPT |



|        |     |    |     |
|--------|-----|----|-----|
| 2735.0 | [m] | DC | SPT |
| 2750.0 | [m] | DC | SPT |
| 2765.0 | [m] | DC | SPT |
| 2780.0 | [m] | DC | SPT |
| 2795.0 | [m] | DC | SPT |
| 2810.0 | [m] | DC | SPT |
| 2825.0 | [m] | DC | SPT |
| 2840.0 | [m] | DC | SPT |
| 2855.0 | [m] | DC | SPT |
| 2870.0 | [m] | DC | SPT |
| 2885.0 | [m] | DC | SPT |
| 2900.0 | [m] | DC | SPT |
| 2915.0 | [m] | DC | SPT |
| 2930.0 | [m] | DC | SPT |
| 2945.0 | [m] | DC | SPT |
| 2960.0 | [m] | DC | SPT |
| 2975.0 | [m] | DC | SPT |
| 2990.0 | [m] | DC | SPT |
| 3005.0 | [m] | DC | SPT |
| 3020.0 | [m] | DC | SPT |
| 3035.0 | [m] | DC | SPT |
| 3050.0 | [m] | DC | SPT |
| 3065.0 | [m] | DC | SPT |
| 3095.0 | [m] | DC | SPT |
| 3260.0 | [m] | DC | SPT |
| 3275.0 | [m] | DC | SPT |
| 3290.0 | [m] | DC | SPT |
| 3305.0 | [m] | DC | SPT |
| 3320.0 | [m] | DC | SPT |
| 3335.0 | [m] | DC | SPT |
| 3350.0 | [m] | DC | SPT |
| 3365.0 | [m] | DC | SPT |
| 3380.0 | [m] | DC | SPT |
| 3395.0 | [m] | DC | SPT |
| 3410.0 | [m] | DC | SPT |
| 3425.0 | [m] | DC | SPT |
| 3440.0 | [m] | DC | SPT |
| 3455.0 | [m] | DC | SPT |
| 3472.0 | [m] | DC | SPT |
| 3485.0 | [m] | DC | SPT |



|        |     |    |       |
|--------|-----|----|-------|
| 3500.0 | [m] | DC | SPT   |
| 3515.0 | [m] | DC | SPT   |
| 3527.0 | [m] | DC | SPT   |
| 3547.0 | [m] | DC | SPT   |
| 3575.0 | [m] | DC | SPT   |
| 3580.0 | [m] | DC | SPT   |
| 3582.0 | [m] | DC | SPT   |
| 3585.0 | [m] | DC | SPT   |
| 3590.0 | [m] | DC | SPT   |
| 3600.0 | [m] | DC | SPT   |
| 3602.0 | [m] | DC | SPT   |
| 3605.0 | [m] | DC | SPT   |
| 3615.0 | [m] | DC | SPT   |
| 3625.0 | [m] | DC | SPT   |
| 3635.0 | [m] | DC | SPT   |
| 3645.0 | [m] | DC | SPT   |
| 3655.0 | [m] | DC | SPT   |
| 3665.0 | [m] | DC | SPT   |
| 3675.0 | [m] | DC | SPT   |
| 3683.7 | [m] | C  | HYDRO |
| 3685.0 | [m] | DC | SPT   |
| 3686.0 | [m] | C  | HYDRO |
| 3689.5 | [m] | C  | HYDRO |
| 3691.8 | [m] | C  | HYDRO |
| 3691.9 | [m] | C  | HYDRO |
| 3696.5 | [m] | C  | HYDRO |
| 3704.5 | [m] | C  | HYDRO |
| 3707.3 | [m] | C  | HYDRO |
| 3707.8 | [m] | C  | HYDRO |
| 3709.9 | [m] | C  | HYDRO |
| 3745.0 | [m] | DC | SPT   |
| 3755.0 | [m] | DC | SPT   |
| 3765.0 | [m] | DC | SPT   |
| 3775.0 | [m] | DC | SPT   |
| 3785.0 | [m] | DC | SPT   |
| 3795.0 | [m] | DC | SPT   |
| 3805.0 | [m] | DC | SPT   |
| 3815.0 | [m] | DC | SPT   |
| 3825.0 | [m] | DC | SPT   |
| 3835.0 | [m] | DC | SPT   |



|        |     |    |     |
|--------|-----|----|-----|
| 3845.0 | [m] | DC | SPT |
| 3855.0 | [m] | DC | SPT |
| 3865.0 | [m] | DC | SPT |
| 3875.0 | [m] | DC | SPT |
| 3885.0 | [m] | DC | SPT |
| 3905.0 | [m] | DC | SPT |
| 3915.0 | [m] | DC | SPT |
| 3927.0 | [m] | DC | SPT |
| 3935.0 | [m] | DC | SPT |
| 3947.0 | [m] | DC | SPT |
| 3955.0 | [m] | DC | SPT |
| 3965.0 | [m] | DC | SPT |

### Litostratigrafi

| Topp Dyb<br>[mMD RKB] | Litostrat. enhet                |
|-----------------------|---------------------------------|
| 145                   | <a href="#">NORDLAND GP</a>     |
| 716                   | <a href="#">UTSIRA FM</a>       |
| 923                   | <a href="#">HORDALAND GP</a>    |
| 2107                  | <a href="#">ROGALAND GP</a>     |
| 2107                  | <a href="#">BALDER FM</a>       |
| 2197                  | <a href="#">SELE FM</a>         |
| 2247                  | <a href="#">LISTA FM</a>        |
| 2377                  | <a href="#">VÅLE FM</a>         |
| 2442                  | <a href="#">SHETLAND GP</a>     |
| 3575                  | <a href="#">CROMER KNOLL GP</a> |
| 3581                  | <a href="#">DUNLIN GP</a>       |
| 3581                  | <a href="#">AMUNDSEN FM</a>     |
| 3682                  | <a href="#">STATFJORD GP</a>    |
| 3940                  | <a href="#">HEGRE GP</a>        |
| 3940                  | <a href="#">LUNDE FM</a>        |

### Geokjemisk informasjon

| Dokument navn          | Dokument<br>format | Dokument<br>størrelse [KB] |
|------------------------|--------------------|----------------------------|
| <a href="#">1855_1</a> | pdf                | 0.17                       |
| <a href="#">1855_2</a> | pdf                | 2.81                       |







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

| Dokument navn                                    | Dokument format | Dokument størrelse [KB] |
|--------------------------------------------------|-----------------|-------------------------|
| <a href="#">1855_01_WDSS_General_Information</a> | pdf             | 0.49                    |
| <a href="#">1855_02_WDSS_completion_log</a>      | pdf             | 0.22                    |

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

| Dokument navn                                            | Dokument format | Dokument størrelse [KB] |
|----------------------------------------------------------|-----------------|-------------------------|
| <a href="#">1855_30_6_24_S_COMPLETION_REPORT_AND_LOG</a> | pdf             | 12.63                   |

## Logger

| Type logg          | Topp dyp for logg [m] | Bunn dyp for logg [m] |
|--------------------|-----------------------|-----------------------|
| DIL LSS SP GR AMS  | 970                   | 2987                  |
| DIL LSS SP GR AMS  | 3056                  | 3989                  |
| FMS4 GR AMS        | 3056                  | 3990                  |
| LDL CNL GR CAL AMS | 970                   | 2987                  |
| LDL CNL GR CAL AMS | 3056                  | 3990                  |
| MWD                | 145                   | 3741                  |
| RFT HP GR AMS      | 3687                  | 3783                  |
| VSP                | 300                   | 3560                  |
| VSP                | 1400                  | 3040                  |
| VSP                | 3940                  | 3960                  |

## 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                      | 231.0              | 36                       | 231.0             | 0.00                      | LOT                 |
| INTERM.       | 13 3/8                  | 1004.0             | 17 1/2                   | 1017.0            | 1.95                      | LOT                 |
| INTERM.       | 9 5/8                   | 3052.0             | 12 1/4                   | 3070.0            | 1.80                      | LOT                 |
| OPEN HOLE     |                         | 3986.0             | 8 1/2                    | 3986.0            | 0.00                      | LOT                 |

## Boreslam





## Faktasider

### Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 22:56

| Dybde<br>MD [m] | Egenvekt,<br>slam<br>[g/cm3] | Viskositet,<br>slam<br>[mPa.s] | Flytegrense<br>[Pa] | Type slam   | Dato, måling |
|-----------------|------------------------------|--------------------------------|---------------------|-------------|--------------|
| 199             | 1.05                         |                                |                     | WATER BASED | 15.10.1991   |
| 231             | 1.05                         |                                |                     | WATER BASED | 15.10.1991   |
| 422             | 1.05                         |                                |                     | WATER BASED | 17.10.1991   |
| 863             | 1.05                         |                                |                     | WATER BASED | 18.10.1991   |
| 1017            | 1.20                         |                                |                     | WATER BASED | 18.10.1991   |
| 1017            | 1.20                         |                                |                     | WATER BASED | 21.10.1991   |
| 1017            | 0.00                         |                                |                     | WATER BASED | 21.10.1991   |
| 1017            | 1.08                         |                                |                     | WATER BASED | 22.10.1991   |
| 1017            | 1.20                         |                                |                     | WATER BASED | 21.10.1991   |
| 1195            | 1.10                         | 10.0                           | 5.0                 | WATER BASED | 23.10.1991   |
| 1458            | 1.38                         | 17.0                           | 10.0                | WATER BASED | 24.10.1991   |
| 1740            | 1.40                         | 14.0                           | 9.0                 | WATER BASED | 25.10.1991   |
| 2206            | 1.40                         | 15.0                           | 10.0                | WATER BASED | 29.10.1991   |
| 2264            | 1.41                         | 18.0                           | 12.0                | WATER BASED | 29.10.1991   |
| 2457            | 1.40                         | 23.0                           | 11.0                | WATER BASED | 29.10.1991   |
| 2722            | 1.39                         | 26.0                           | 13.0                | WATER BASED | 31.10.1991   |
| 2742            | 1.40                         | 21.0                           | 12.0                | WATER BASED | 01.11.1991   |
| 2745            | 1.40                         | 18.0                           | 12.0                | WATER BASED | 04.11.1991   |
| 2794            | 1.40                         | 26.0                           | 12.0                | WATER BASED | 04.11.1991   |
| 2906            | 1.46                         | 24.0                           | 10.0                | WATER BASED | 04.11.1991   |
| 2966            | 1.40                         | 25.0                           | 13.0                | WATER BASED | 05.11.1991   |
| 3026            | 1.40                         | 25.0                           | 10.0                | WATER BASED | 06.11.1991   |
| 3070            | 1.40                         | 26.0                           | 14.0                | WATER BASED | 08.11.1991   |
| 3070            | 1.39                         | 26.0                           | 13.0                | WATER BASED | 12.11.1991   |
| 3070            | 1.40                         | 25.0                           | 13.0                | WATER BASED | 07.11.1991   |
| 3070            | 1.40                         | 22.0                           | 13.0                | WATER BASED | 12.11.1991   |
| 3070            | 1.40                         | 23.0                           | 11.0                | WATER BASED | 12.11.1991   |
| 3070            | 1.40                         | 23.0                           | 9.0                 | WATER BASED | 12.11.1991   |
| 3112            | 1.34                         | 20.0                           | 10.0                | WATER BASED | 13.11.1991   |
| 3165            | 1.32                         | 23.0                           | 10.0                | WATER BASED | 14.11.1991   |
| 3326            | 1.30                         | 20.0                           | 10.0                | WATER BASED | 15.11.1991   |
| 3412            | 1.37                         | 22.0                           | 11.0                | WATER BASED | 19.11.1991   |
| 3530            | 1.41                         | 26.0                           | 9.0                 | WATER BASED | 19.11.1991   |
| 3541            | 1.40                         | 20.0                           | 11.0                | WATER BASED | 19.11.1991   |
| 3587            | 1.40                         | 19.0                           | 10.0                | WATER BASED | 19.11.1991   |
| 3587            | 1.39                         | 16.0                           | 9.0                 | WATER BASED | 20.11.1991   |
| 3632            | 1.40                         | 18.0                           | 10.0                | WATER BASED | 21.11.1991   |



|      |      |      |      |             |            |
|------|------|------|------|-------------|------------|
| 3689 | 1.41 | 17.0 | 7.0  | WATER BASED | 22.11.1991 |
| 3712 | 1.41 | 19.0 | 9.0  | WATER BASED | 25.11.1991 |
| 3819 | 1.40 | 20.0 | 11.0 | WATER BASED | 25.11.1991 |
| 3974 | 1.40 | 19.0 | 12.0 | WATER BASED | 25.11.1991 |
| 3986 | 1.40 | 16.0 | 9.0  | WATER BASED | 26.11.1991 |
| 3986 | 1.40 | 17.0 | 9.0  | WATER BASED | 27.11.1991 |
| 3986 | 1.40 | 15.0 | 6.0  | WATER BASED | 28.11.1991 |
| 3986 | 1.40 | 21.0 | 8.0  | WATER BASED | 02.12.1991 |
| 3986 | 1.40 | 21.0 | 7.0  | WATER BASED | 29.11.1991 |
| 3986 | 1.40 | 21.0 | 11.0 | WATER BASED | 02.12.1991 |

## Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

| Dokument navn                                             | Dokument format | Dokument størrelse [KB] |
|-----------------------------------------------------------|-----------------|-------------------------|
| <a href="#">1855_Formation_pressure_(Formasjonstrykk)</a> | pdf             | 0.24                    |

