## General information

| | |
|---|---|
| Wellbore name | 6406/3-1 |
| Type | EXPLORATION |
| Purpose | WILDCAT |
| Status | P&A |
| Factmaps in new window | link to map |
| Main area | NORWEGIAN SEA |
| Well name | 6406/3-1 |
| Seismic location | line 911 279-shot point 950 |
| Production licence | 091 |
| Drilling operator | Den norske stats oljeselskap a.s |
| Drill permit | 412-L |
| Drilling facility | ROSS ISLE |
| Drilling days | 110 |
| Entered date | 27.04.1984 |
| Completed date | 14.08.1984 |
| Release date | 14.08.1986 |
| Publication date | 28.06.2007 |
| Purpose - planned | WILDCAT |
| Reentry | NO |
| Content | GAS SHOWS |
| Discovery wellbore | NO |
| Kelly bushing elevation [m] | 22.0 |
| Water depth [m] | 256.0 |
| Total depth (MD) [m RKB] | 4902.0 |
| Final vertical depth (TVD) [m RKB] | 4896.0 |
| Maximum inclination [°] | 9.5 |
| Bottom hole temperature [°C] | 169 |
| Oldest penetrated age | LATE TRIASSIC |
| Oldest penetrated formation | RED BEDS (INFORMAL) |
| Geodetic datum | ED50 |
| NS degrees | 64° 45' 29.77'' N |
| EW degrees | 6° 49' 21.77'' E |
| NS UTM [m] | 7183474.26 |
| EW UTM [m] | 396410.13 |
| UTM zone | 32 |
| NPDID wellbore | 108 |

## Wellbore history

### General

Well 6406/3-1 is located in the southern end of the block, west of the Tyrihans S ør Field on the Mid Norway continental shelf. The primary objective was to test the reservoir potential of the Middle Jurassic sandstones. Secondary objectives were the Early Jurassic sandstones, penetration of the Triassic Grey Beds and Red Beds, and sampling of potential source rocks.

### Operations and results

Well 6406/3-1 was spudded with the semi-submersible installation Ross Isle on 27 April 1984 and drilled to TD at 4902 in the Late Triassic Red Beds. The well was drilled with seawater and gel (bentonite/soda) down to 962 m, with gypsum/lignosulphonate mud from 962 m to 3775 m, and with gel/lignosulphonate/lignite mud from 3775 m to TD. At 4498 m a pill of IMCO SPOT/ Pipe Lax was added to free the pipe, which was stuck.

A hydrocarbon bearing Middle Jurassic sandstone was encountered at 3782 m, but a drill stem test proved only low concentration of gas in a water phase. The pore pressures in the well were higher than expected and the Middle Jurassic sandstone, which was believed to have a pore pressure equivalent to 1.14 s.g., proved to have a pore pressure equivalent to 1.82 s.g. Post-well geochemical analyses detected migrated hydrocarbons frequently below 1650 metres. These shows were seen chiefly as wet gas/condensate between 2405 - 2585 m and as wet to extremely wet gas at 3665 - 3785 m. Good shows of wet or marginally wet gas were associated with the coals within the Early Jurassic and Trias (Åre Formation). These were suggested in the geochemical report to be in-situ generated and not migrated.

Four cores were cut in the well: three from 3783 m to 3847 m in Middle Jurassic Sandstones (Garn Formation) and one from 4539 m to 4549 m in the "Coal Unit" (Åre Formation). An RFT fluid sample was taken at 3784.5 m in the Garn Formation.

The well was permanently abandoned on 14 August 1984 as a well with strong gas shows.

### Testing

One drill stem test was performed from the interval 3782.5 - 3787.5 m. It produced 1469 m3 water and 8763 Sm3 gas/day. Bottom hole temperature in the test was 140 deg C. Gas samples were collected.

## Cuttings at the Norwegian Offshore Directorate

| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
|---|---|
| 360.00 | 4901.80 |

| Cuttings available for sampling? | YES |
|---|---|

## Cores at the Norwegian Offshore Directorate

| Core sample number | Core sample - top depth | Core sample - bottom depth | Core sample depth - uom |
|---|---|---|---|
| 1 | 3783.0 | 3794.5 | [m ] |
| 2 | 3794.5 | 3822.0 | [m ] |
| 3 | 3822.0 | 3846.3 | [m ] |
| 4 | 4537.0 | 4548.0 | [m ] |

| | |
|---|---|
| Total core sample length [m] | 74.3 |
| Cores available for sampling? | YES |

## Core photos


3783-3788m


3789-3794m


3795-3800m


3800-3806m


3806-3812m


3812-3818m


3818-3822m


3822-3828m


3828-3834m


3834-3839m


3834-3846m


3846-3846m

## Palynological slides at the Norwegian Offshore Directorate

| Sample depth | Depth unit | Sample type | Laboratory |
|---|---|---|---|
| 2181.0 | [m] | SWC | LAP |
| 2200.0 | [m] | DC | LAP |
| 2207.0 | [m] | SWC | LAP |
| 2215.0 | [m] | DC | LAP |

| | | | |
|---|---|---|---|
| 2230.0 | [m] | DC | LAP |
| 2245.0 | [m] | DC | LAP |
| 2260.0 | [m] | DC | LAP |
| 2275.0 | [m] | DC | LAP |
| 2290.0 | [m] | DC | LAP |
| 2305.0 | [m] | DC | LAP |
| 2306.0 | [m] | SWC | LAP |
| 2320.0 | [m] | DC | LAP |
| 2320.0 | [m] | SWC | LAP |
| 2350.0 | [m] | DC | LAP |
| 2365.0 | [m] | DC | LAP |
| 2380.0 | [m] | DC | LAP |
| 2395.0 | [m] | DC | LAP |
| 2410.0 | [m] | DC | LAP |
| 2410.0 | [m] | SWC | LAP |
| 2425.0 | [m] | DC | LAP |
| 2440.0 | [m] | DC | LAP |
| 2440.0 | [m] | SWC | LAP |
| 2455.0 | [m] | DC | LAP |
| 2470.0 | [m] | DC | LAP |
| 2485.0 | [m] | DC | LAP |
| 2500.0 | [m] | DC | LAP |
| 2515.0 | [m] | DC | LAP |
| 2530.0 | [m] | DC | LAP |
| 2530.0 | [m] | SWC | LAP |
| 2545.0 | [m] | DC | LAP |
| 2560.0 | [m] | DC | LAP |
| 2575.0 | [m] | DC | LAP |
| 2590.0 | [m] | DC | LAP |
| 2597.0 | [m] | SWC | LAP |
| 2605.0 | [m] | DC | LAP |
| 2620.0 | [m] | DC | LAP |
| 2635.0 | [m] | DC | LAP |
| 2650.0 | [m] | DC | LAP |
| 2650.0 | [m] | DC | OD |
| 2660.0 | [m] | DC | OD |
| 2665.0 | [m] | DC | LAP |
| 2670.0 | [m] | DC | OD |
| 2680.0 | [m] | DC | OD |
| 2680.0 | [m] | DC | LAP |

| | | | |
|---|---|---|---|
| 2690.0 | [m] | DC | OD |
| 2695.0 | [m] | DC | LAP |
| 2700.0 | [m] | DC | OD |
| 2710.0 | [m] | DC | LAP |
| 2710.0 | [m] | DC | OD |
| 2717.0 | [m] | SWC | LAP |
| 2720.0 | [m] | DC | OD |
| 2725.0 | [m] | DC | LAP |
| 2730.0 | [m] | DC | OD |
| 2740.0 | [m] | DC | OD |
| 2740.0 | [m] | DC | LAP |
| 2750.0 | [m] | DC | OD |
| 2755.0 | [m] | DC | LAP |
| 2760.0 | [m] | DC | OD |
| 2770.0 | [m] | DC | LAP |
| 2770.0 | [m] | DC | OD |
| 2780.0 | [m] | DC | OD |
| 2785.0 | [m] | DC | LAP |
| 2790.0 | [m] | DC | OD |
| 2800.0 | [m] | DC | OD |
| 2800.0 | [m] | DC | LAP |
| 2810.0 | [m] | DC | OD |
| 2815.0 | [m] | DC | LAP |
| 2820.0 | [m] | DC | OD |
| 2830.0 | [m] | DC | OD |
| 2830.0 | [m] | DC | LAP |
| 2840.0 | [m] | DC | OD |
| 2845.0 | [m] | DC | LAP |
| 2850.0 | [m] | DC | OD |
| 2860.0 | [m] | DC | OD |
| 2860.0 | [m] | DC | LAP |
| 2870.0 | [m] | DC | OD |
| 2875.0 | [m] | DC | LAP |
| 2880.0 | [m] | DC | OD |
| 2890.0 | [m] | DC | OD |
| 2890.0 | [m] | DC | LAP |
| 2900.0 | [m] | DC | OD |
| 2905.0 | [m] | DC | LAP |
| 2910.0 | [m] | DC | OD |
| 2920.0 | [m] | DC | OD |

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|---|---|---|---|
| 2920.0 | [m] | DC | LAP |
| 2932.0 | [m] | DC | OD |
| 2935.0 | [m] | DC | LAP |
| 2940.0 | [m] | DC | OD |
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| 2950.0 | [m] | DC | LAP |
| 2960.0 | [m] | DC | OD |
| 2965.0 | [m] | DC | LAP |
| 2970.0 | [m] | DC | OD |
| 2980.0 | [m] | DC | OD |
| 2980.0 | [m] | DC | LAP |
| 2990.0 | [m] | DC | OD |
| 2995.0 | [m] | DC | LAP |
| 3000.0 | [m] | DC | OD |
| 3010.0 | [m] | DC | OD |
| 3010.0 | [m] | DC | LAP |
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| 3025.0 | [m] | DC | LAP |
| 3030.0 | [m] | DC | OD |
| 3040.0 | [m] | DC | OD |
| 3040.0 | [m] | DC | LAP |
| 3050.0 | [m] | DC | OD |
| 3055.0 | [m] | DC | LAP |
| 3060.0 | [m] | DC | OD |
| 3070.0 | [m] | DC | OD |
| 3070.0 | [m] | DC | LAP |
| 3080.0 | [m] | DC | OD |
| 3085.0 | [m] | DC | LAP |
| 3090.0 | [m] | DC | OD |
| 3100.0 | [m] | DC | OD |
| 3100.0 | [m] | DC | LAP |
| 3110.0 | [m] | DC | OD |
| 3115.0 | [m] | DC | LAP |
| 3120.0 | [m] | DC | OD |
| 3130.0 | [m] | DC | OD |
| 3130.0 | [m] | DC | LAP |
| 3140.0 | [m] | DC | OD |
| 3142.0 | [m] | SWC | LAP |
| 3145.0 | [m] | DC | LAP |
| 3150.0 | [m] | DC | OD |

| | | | |
|---|---|---|---|
| 3160.0 | [m] | DC | OD |
| 3160.0 | [m] | DC | LAP |
| 3170.0 | [m] | DC | OD |
| 3175.0 | [m] | DC | LAP |
| 3180.0 | [m] | DC | OD |
| 3190.0 | [m] | DC | OD |
| 3190.0 | [m] | DC | LAP |
| 3197.0 | [m] | SWC | LAP |
| 3205.0 | [m] | DC | LAP |
| 3210.0 | [m] | DC | OD |
| 3220.0 | [m] | DC | OD |
| 3220.0 | [m] | DC | LAP |
| 3230.0 | [m] | DC | OD |
| 3235.0 | [m] | DC | LAP |
| 3240.0 | [m] | DC | OD |
| 3250.0 | [m] | SWC | OD |
| 3260.0 | [m] | DC | OD |
| 3262.0 | [m] | DC | LAP |
| 3265.0 | [m] | DC | LAP |
| 3270.0 | [m] | DC | OD |
| 3280.0 | [m] | DC | OD |
| 3280.0 | [m] | DC | LAP |
| 3287.0 | [m] | SWC | OD |
| 3290.0 | [m] | DC | OD |
| 3295.0 | [m] | DC | LAP |
| 3300.0 | [m] | DC | OD |
| 3310.0 | [m] | DC | OD |
| 3310.0 | [m] | DC | LAP |
| 3320.0 | [m] | DC | OD |
| 3325.0 | [m] | DC | LAP |
| 3330.0 | [m] | DC | OD |
| 3340.0 | [m] | DC | OD |
| 3340.0 | [m] | DC | LAP |
| 3350.0 | [m] | DC | OD |
| 3355.0 | [m] | DC | LAP |
| 3360.0 | [m] | DC | OD |
| 3368.0 | [m] | SWC | OD |
| 3370.0 | [m] | DC | LAP |
| 3385.0 | [m] | DC | LAP |
| 3400.0 | [m] | DC | LAP |

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|---|---|---|---|
| 3415.0 | [m] | DC | LAP |
| 3430.0 | [m] | DC | LAP |
| 3434.0 | [m] | SWC | LAP |
| 3445.0 | [m] | DC | LAP |
| 3460.0 | [m] | DC | LAP |
| 3464.0 | [m] | SWC | OD |
| 3475.0 | [m] | DC | LAP |
| 3490.0 | [m] | DC | LAP |
| 3505.0 | [m] | DC | LAP |
| 3520.0 | [m] | DC | LAP |
| 3535.0 | [m] | DC | LAP |
| 3550.0 | [m] | DC | LAP |
| 3565.0 | [m] | DC | LAP |
| 3580.0 | [m] | DC | LAP |
| 3588.0 | [m] | SWC | OD |
| 3595.0 | [m] | DC | LAP |
| 3604.0 | [m] | SWC | OD |
| 3608.0 | [m] | SWC | LAP |
| 3610.0 | [m] | DC | LAP |
| 3625.0 | [m] | DC | LAP |
| 3640.0 | [m] | DC | LAP |
| 3650.0 | [m] | DC | STRATL |
| 3655.0 | [m] | DC | LAP |
| 3657.0 | [m] | SWC | OD |
| 3659.0 | [m] | SWC | OD |
| 3660.0 | [m] | DC | STRATL |
| 3664.0 | [m] | SWC | OD |
| 3666.0 | [m] | SWC | LAP |
| 3667.0 | [m] | SWC | OD |
| 3668.0 | [m] | SWC | LAP |
| 3669.0 | [m] | SWC | CGG |
| 3670.0 | [m] | DC | LAP |
| 3670.0 | [m] | SWC | OD |
| 3670.0 | [m] | DC | OD |
| 3670.0 | [m] | DC | STRATL |
| 3673.0 | [m] | SWC | LAP |
| 3680.0 | [m] | DC | OD |
| 3680.0 | [m] | DC | STRATL |
| 3685.0 | [m] | DC | LAP |
| 3686.0 | [m] | SWC | LAP |

| | | | |
|---|---|---|---|
| 3690.0 | [m] | DC | OD |
| 3690.0 | [m] | DC | STRATL |
| 3700.0 | [m] | DC | STRATL |
| 3700.0 | [m] | DC | LAP |
| 3700.0 | [m] | DC | OD |
| 3710.0 | [m] | DC | OD |
| 3710.0 | [m] | DC | STRATL |
| 3715.0 | [m] | SWC | LAP |
| 3720.0 | [m] | DC | OD |
| 3720.0 | [m] | DC | STRATL |
| 3730.0 | [m] | DC | STRATL |
| 3730.0 | [m] | DC | OD |
| 3730.0 | [m] | DC | LAP |
| 3740.0 | [m] | DC | OD |
| 3740.0 | [m] | DC | STRATL |
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| 3745.0 | [m] | DC | LAP |
| 3745.0 | [m] | DC | STRATL |
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| 3750.0 | [m] | DC | OD |
| 3760.0 | [m] | DC | OD |
| 3760.0 | [m] | DC | LAP |
| 3760.0 | [m] | DC | STRATL |
| 3770.0 | [m] | DC | STRATL |
| 3770.0 | [m] | DC | OD |
| 3774.0 | [m] | SWC | LAP |
| 3775.0 | [m] | DC | LAP |
| 3780.0 | [m] | DC | OD |
| 3780.0 | [m] | DC | STRATL |
| 3783.2 | [m] | C | LAP |
| 3786.7 | [m] | C | STRATL |
| 3790.0 | [m] | DC | LAP |
| 3790.0 | [m] | DC | OD |
| 3799.4 | [m] | C | LAP |
| 3800.0 | [m] | DC | OD |
| 3816.3 | [m] | C | LAP |
| 3819.6 | [m] | C | LAP |
| 3821.2 | [m] | C | LAP |
| 3822.5 | [m] | C | OD |
| 3823.6 | [m] | C | LAP |

| | | | |
|---|---|---|---|
| 3823.9 | [m] | C | LAP |
| 3823.9 | [m] | C | STRATL |
| 3830.0 | [m] | DC | OD |
| 3838.6 | [m] | C | STRATL |
| 3841.4 | [m] | C | STRATL |
| 3842.0 | [m] | C | LAP |
| 3842.5 | [m] | C | OD |
| 3850.0 | [m] | DC | OD |
| 3850.0 | [m] | DC | LAP |
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| 3857.5 | [m] | DC | LAP |
| 3860.0 | [m] | DC | OD |
| 3860.0 | [m] | DC | STRATL |
| 3865.0 | [m] | DC | LAP |
| 3870.0 | [m] | DC | OD |
| 3870.0 | [m] | DC | STRATL |
| 3872.5 | [m] | DC | LAP |
| 3880.0 | [m] | DC | LAP |
| 3880.0 | [m] | DC | OD |
| 3880.0 | [m] | DC | STRATL |
| 3887.5 | [m] | DC | LAP |
| 3890.0 | [m] | DC | OD |
| 3890.0 | [m] | DC | STRATL |
| 3895.0 | [m] | DC | LAP |
| 3895.2 | [m] | SWC | LAP |
| 3900.0 | [m] | DC | OD |
| 3900.0 | [m] | DC | STRATL |
| 3910.0 | [m] | DC | STRATL |
| 3910.0 | [m] | DC | OD |
| 3910.0 | [m] | DC | LAP |
| 3917.5 | [m] | DC | LAP |
| 3920.0 | [m] | DC | OD |
| 3920.0 | [m] | DC | STRATL |
| 3925.0 | [m] | DC | LAP |
| 3930.0 | [m] | DC | OD |
| 3930.0 | [m] | DC | STRATL |
| 3932.5 | [m] | DC | LAP |
| 3940.0 | [m] | DC | LAP |
| 3940.0 | [m] | DC | OD |
| 3940.0 | [m] | DC | STRATL |

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|---|---|---|---|
| 3947.5 | [m] | DC | STRATL |
| 3947.5 | [m] | DC | LAP |
| 3950.0 | [m] | DC | OD |
| 3955.0 | [m] | DC | LAP |
| 3960.0 | [m] | DC | OD |
| 3962.5 | [m] | DC | LAP |
| 3970.0 | [m] | DC | LAP |
| 3970.0 | [m] | DC | OD |
| 3977.5 | [m] | DC | LAP |
| 3980.0 | [m] | DC | OD |
| 3985.0 | [m] | DC | LAP |
| 3990.0 | [m] | DC | OD |
| 3992.5 | [m] | DC | LAP |
| 4000.0 | [m] | DC | LAP |
| 4000.0 | [m] | DC | OD |
| 4007.5 | [m] | DC | LAP |
| 4010.0 | [m] | DC | OD |
| 4015.0 | [m] | DC | LAP |
| 4020.0 | [m] | DC | OD |
| 4022.7 | [m] | SWC | LAP |
| 4030.0 | [m] | DC | OD |
| 4030.0 | [m] | DC | LAP |
| 4040.0 | [m] | DC | OD |
| 4045.0 | [m] | DC | LAP |
| 4050.0 | [m] | DC | OD |
| 4058.6 | [m] | SWC | LAP |
| 4060.0 | [m] | DC | LAP |
| 4060.0 | [m] | DC | OD |
| 4070.0 | [m] | DC | OD |
| 4075.0 | [m] | DC | LAP |
| 4080.0 | [m] | DC | OD |
| 4090.0 | [m] | DC | OD |
| 4090.0 | [m] | DC | LAP |
| 4105.0 | [m] | DC | LAP |
| 4120.0 | [m] | DC | LAP |
| 4135.0 | [m] | DC | LAP |
| 4150.0 | [m] | DC | LAP |
| 4165.0 | [m] | DC | LAP |
| 4172.5 | [m] | DC | LAP |
| 4180.0 | [m] | DC | LAP |

| | | | |
|---|---|---|---|
| 4181.0 | [m] | SWC | LAP |
| 4187.5 | [m] | DC | LAP |
| 4195.0 | [m] | DC | LAP |
| 4202.5 | [m] | DC | LAP |
| 4210.0 | [m] | DC | LAP |
| 4225.0 | [m] | DC | LAP |
| 4225.2 | [m] | SWC | LAP |
| 4240.0 | [m] | DC | LAP |
| 4247.5 | [m] | DC | LAP |
| 4255.0 | [m] | DC | LAP |
| 4262.5 | [m] | DC | LAP |
| 4270.0 | [m] | DC | LAP |
| 4277.5 | [m] | DC | LAP |
| 4285.0 | [m] | DC | LAP |
| 4292.5 | [m] | DC | LAP |
| 4300.0 | [m] | DC | LAP |
| 4307.5 | [m] | DC | LAP |
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| 4322.5 | [m] | DC | LAP |
| 4330.0 | [m] | DC | LAP |
| 4337.5 | [m] | DC | LAP |
| 4345.0 | [m] | DC | LAP |
| 4352.0 | [m] | DC | LAP |
| 4360.0 | [m] | DC | LAP |
| 4367.5 | [m] | DC | LAP |
| 4375.0 | [m] | DC | LAP |
| 4385.2 | [m] | SWC | LAP |
| 4390.0 | [m] | DC | LAP |
| 4405.0 | [m] | DC | LAP |
| 4411.8 | [m] | SWC | LAP |
| 4420.0 | [m] | DC | LAP |
| 4435.0 | [m] | DC | LAP |
| 4450.0 | [m] | DC | LAP |
| 4465.0 | [m] | DC | LAP |
| 4480.0 | [m] | DC | LAP |
| 4495.0 | [m] | DC | LAP |
| 4510.0 | [m] | DC | LAP |
| 4525.0 | [m] | DC | LAP |
| 4537.0 | [m] | C | LAP |
| 4540.0 | [m] | DC | LAP |

| | | | |
|---|---|---|---|
| 4540.2 | [m] | C | LAP |
| 4545.0 | [m] | C | LAP |
| 4547.0 | [m] | C | LAP |
| 4555.0 | [m] | DC | LAP |
| 4570.0 | [m] | DC | LAP |
| 4585.0 | [m] | DC | LAP |
| 4600.0 | [m] | DC | LAP |
| 4615.0 | [m] | DC | LAP |
| 4630.0 | [m] | DC | LAP |
| 4645.0 | [m] | DC | LAP |
| 4660.0 | [m] | DC | LAP |
| 4667.5 | [m] | DC | LAP |
| 4675.0 | [m] | DC | LAP |
| 4682.5 | [m] | DC | LAP |
| 4690.0 | [m] | DC | LAP |
| 4697.5 | [m] | DC | LAP |
| 4705.0 | [m] | DC | LAP |
| 4712.5 | [m] | DC | LAP |
| 4720.0 | [m] | DC | LAP |
| 4727.5 | [m] | DC | LAP |
| 4735.0 | [m] | DC | LAP |
| 4740.0 | [m] | SWC | LAP |
| 4750.0 | [m] | DC | LAP |
| 4759.0 | [m] | SWC | LAP |
| 4770.5 | [m] | SWC | LAP |
| 4810.0 | [m] | DC | LAP |
| 4825.0 | [m] | DC | LAP |
| 4840.0 | [m] | DC | LAP |
| 4847.5 | [m] | SWC | LAP |
| 4855.0 | [m] | DC | LAP |
| 4870.0 | [m] | DC | LAP |
| 4885.0 | [m] | DC | LAP |
| 4901.8 | [m] | DC | LAP |

## Lithostratigraphy

| Top depth [mMD RKB] | Lithostrat. unit |
|---|---|
| 278 | NORDLAND GP |
| 278 | NAUST FM |

| | |
|---|---|
| 1450 | KAI FM |
| 1996 | HORDALAND GP |
| 1996 | BRYGGE FM |
| 2279 | ROGALAND GP |
| 2279 | TARE FM |
| 2347 | TANG FM |
| 2410 | SHETLAND GP |
| 3196 | CROMER KNOLL GP |
| 3662 | VIKING GP |
| 3662 | SPEKK FM |
| 3685 | MELKE FM |
| 3782 | FANGST GP |
| 3782 | GARN FM |
| 3901 | NOT FM |
| 3934 | ILE FM |
| 4012 | BÅT GP |
| 4012 | ROR FM |
| 4177 | TILJE FM |
| 4380 | ÅRE FM |
| 4758 | GREY BEDS (INFORMAL) |
| 4864 | RED BEDS (INFORMAL) |

## Composite logs

| Document name | Document format | Document size [MB] |
|---|---|---|
| 108_6406_3_1 | pdf | 1.01 |

## Geochemical information

| Document name | Document format | Document size [MB] |
|---|---|---|
| 108_1 | pdf | 1.56 |
| 108_2 | pdf | 0.32 |
| 108_3 | pdf | 0.43 |
| 108_4 | pdf | 0.44 |
| 108_5 | pdf | 9.11 |

## Documents - older Norwegian Offshore Directorate WDSS reports and other related documents

| Document name | Document format | Document size [MB] |
|---|---|---|
| 108_01_WDSS_General_Information | pdf | 0.26 |
| 108_02_WDSS_completion_log | pdf | 0.39 |

## Documents - reported by the production licence (period for duty of secrecy expired)

| Document name | Document format | Document size [MB] |
|---|---|---|
| 108_01_6406_3_1_Completion_Report | PDF | 30.33 |
| 108_02_6406_3_1_Composite_Well_Log | pdf | 3.35 |
| 108_03_6406_3_1_Final_Report_Exlog | pdf | 33.51 |
| 108_04_6406_3_1_Final_report_DLWD | pdf | 3.46 |
| 108_05_6406_3_1_Biostratigraphy_Kerogen_Analysis | pdf | 4.81 |
| 108_06_6406_3_1_Gas_Composition | pdf | 0.56 |
| 108_07_6406_3_1_Geochemical_Evaluation | pdf | 13.16 |
| 108_08_6406_3_1_Pressure_DST1 | pdf | 7.81 |
| 108_09_6406_3_1_QC_Routine_Core_Analysis | pdf | 0.58 |
| 108_10_6406_3_1_Report_on_Stable_Isotopes | pdf | 1.16 |
| 108_11_6406_3_1_Routine_Core_Geco | pdf | 1.14 |
| 108_12_6406_3_1_Water_Analysis_RFT | pdf | 1.34 |
| 108_13_6406_3_1_Water_Analysis_WestLab | pdf | 0.74 |
| 108_14_6406_3_1_Well_Testing_Report | pdf | 8.80 |

## Drill stem tests (DST)

| Test number | From depth MD [m] | To depth MD [m] | Choke size [mm] |
|---|---|---|---|
| 1.0 | 3783 | 3788 | 15.9 |

| Test number | Final shut-in pressure [MPa] | Final flow pressure [MPa] | Bottom hole pressure [MPa] | Downhole temperature [°C] |
|---|---|---|---|---|
| 1.0 | 11.000 | 50.000 | 67.000 | 140 |

| Test number | Oil [Sm3/day] | Gas [Sm3/day] | Oil density [g/cm3] | Gas grav. rel.air | GOR [m3/m3] |
|---|---|---|---|---|---|
| 1.0 | | 8000 | | | 6 |

## Logs

| Log type | Log top depth [m] | Log bottom depth [m] |
|---|---|---|
| CBL VDL GR | 700 | 2147 |
| CBL VDL GR | 2000 | 4466 |
| CBL VDL GR | 3000 | 3760 |
| DLL GR | 3763 | 4494 |
| HDT | 4468 | 4899 |
| ISF BHC GR MSFL | 351 | 4902 |
| LDL CNL GR | 351 | 4903 |
| NGS | 3450 | 3761 |
| NGS | 3761 | 4463 |
| NGS | 4480 | 4893 |
| RFT GR | 3784 | 3840 |
| RFT GR | 3784 | 4085 |
| RFT GR | 3784 | 3832 |
| SHDT | 2147 | 3771 |
| VELOCITY | 325 | 4902 |

## Casing and leak-off tests

| Casing type | Casing diam. [inch] | Casing depth [m] | Hole diam. [inch] | Hole depth [m] | LOT/FIT mud eqv. [g/cm3] | Formation test type |
|---|---|---|---|---|---|---|
| CONDUCTOR | 30 | 352.0 | 36 | 354.0 | 0.00 | LOT |
| SURF.COND. | 20 | 945.0 | 26 | 962.0 | 1.71 | LOT |
| INTERM. | 13 3/8 | 2148.0 | 17 1/2 | 2177.0 | 1.85 | LOT |
| INTERM. | 9 5/8 | 3765.0 | 12 1/4 | 3784.0 | 2.07 | LOT |
| LINER | 7 | 4470.0 | 8 1/2 | 4505.0 | 2.16 | LOT |
| OPEN HOLE | | 4902.0 | 6 | 4902.0 | 0.00 | LOT |

## Drilling mud

| Depth MD [m] | Mud weight [g/cm3] | Visc. [mPa.s] | Yield point [Pa] | Mud type | Date measured |
|---|---|---|---|---|---|
| 292 | 1.03 | | | WATER BASED | 07.05.1984 |
| 347 | 1.03 | | | WATER BASED | 07.05.1984 |
| 353 | 1.03 | | | WATER BASED | 10.05.1984 |
| 354 | 1.06 | 5.0 | | WATER BASED | 10.05.1984 |
| 556 | 1.08 | 8.0 | | WATER BASED | 10.05.1984 |
| 716 | 1.08 | 4.0 | | WATER BASED | 10.05.1984 |
| 754 | 1.08 | 6.0 | | WATER BASED | 10.05.1984 |
| 805 | 1.08 | 5.0 | | WATER BASED | 10.05.1984 |
| 906 | 1.10 | 3.0 | | WATER BASED | 10.05.1984 |
| 930 | 1.11 | 6.0 | | WATER BASED | 13.05.1984 |
| 968 | 1.11 | 6.0 | | WATER BASED | 13.05.1984 |
| 1000 | 1.12 | 8.0 | | WATER BASED | 13.05.1984 |
| 1350 | 1.12 | 8.0 | | WATER BASED | 13.05.1984 |
| 1570 | 1.17 | 15.0 | | WATER BASED | 13.05.1984 |
| 1617 | 1.18 | 14.0 | | WATER BASED | 13.05.1984 |
| 1654 | 1.30 | 17.0 | | WATER BASED | 13.05.1984 |
| 1750 | 1.38 | 18.0 | | WATER BASED | 13.05.1984 |
| 1860 | 1.38 | 15.0 | | WATER BASED | 13.05.1984 |
| 2038 | 1.53 | 13.0 | | WATER BASED | 14.05.1984 |
| 2095 | 1.53 | 13.0 | | WATER BASED | 14.05.1984 |
| 2112 | 1.59 | 13.0 | | WATER BASED | 17.05.1984 |
| 2160 | 1.71 | 14.0 | | WATER BASED | 20.05.1984 |
| 2160 | 1.71 | 14.0 | | WATER BASED | 20.05.1984 |
| 2160 | 1.70 | 14.0 | | WATER BASED | 20.05.1984 |
| 2169 | 1.59 | 15.0 | | WATER BASED | 17.05.1984 |
| 2177 | 1.72 | 14.0 | | WATER BASED | 20.05.1984 |
| 2180 | 1.77 | 17.0 | | WATER BASED | 24.05.1984 |
| 2186 | 1.70 | 13.0 | | WATER BASED | 20.05.1984 |
| 2188 | 1.77 | 17.0 | 9.6 | WATER BASED | 28.05.1984 |
| 2351 | 1.82 | 22.0 | 8.2 | WATER BASED | 28.05.1984 |
| 2399 | 1.85 | 24.0 | 9.6 | WATER BASED | 28.05.1984 |
| 2500 | 1.85 | 25.0 | 9.0 | WATER BASED | 28.05.1984 |
| 2820 | 1.85 | 25.0 | 8.2 | WATER BASED | 31.05.1984 |
| 2932 | 1.85 | 24.0 | 7.2 | WATER BASED | 01.06.1984 |
| 3061 | 1.85 | 22.0 | 8.0 | WATER BASED | 04.06.1984 |
| 3775 | 1.85 | 20.0 | 7.3 | WATER BASED | 18.06.1984 |
| 3775 | 1.60 | 15.0 | 8.5 | WATER BASED | 18.06.1984 |

| | | | | | |
|---|---|---|---|---|---|
| 3775 | 1.60 | 15.0 | 8.5 | WATER BASED | 18.06.1984 |
| 3782 | 1.40 | 12.0 | 5.4 | WATER BASED | 20.06.1984 |
| 3784 | 1.40 | 25.0 | 3.7 | WATER BASED | 20.06.1984 |
| 3847 | 1.87 | 26.0 | | WATER BASED | 22.06.1984 |
| 3857 | 1.89 | 31.0 | 5.8 | WATER BASED | 25.06.1984 |
| 3872 | 1.89 | 35.0 | 7.1 | WATER BASED | 25.06.1984 |
| 3930 | 1.89 | 34.0 | 6.2 | WATER BASED | 25.06.1984 |
| 4340 | 1.89 | 23.0 | 3.0 | WATER BASED | 31.07.1984 |
| 4469 | 1.89 | 32.0 | 7.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.86 | 33.0 | 5.0 | WATER BASED | 13.07.1984 |
| 4498 | 1.89 | 32.0 | 6.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.89 | 38.0 | 7.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.89 | 32.0 | 5.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.86 | 21.0 | 4.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.86 | 33.0 | 4.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.86 | 33.0 | 5.0 | WATER BASED | 13.07.1984 |
| 4498 | 1.89 | 32.0 | 6.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.89 | 32.0 | 5.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.86 | 21.0 | 4.0 | WATER BASED | 12.07.1984 |
| 4498 | 1.86 | 33.0 | 4.0 | WATER BASED | 12.07.1984 |
| 4505 | 1.74 | 23.0 | 4.0 | WATER BASED | 16.07.1984 |
| 4521 | 1.74 | 24.0 | 5.0 | WATER BASED | 17.07.1984 |
| 4537 | 1.74 | 25.0 | 6.0 | WATER BASED | 17.07.1984 |
| 4549 | 1.74 | 24.0 | 6.0 | WATER BASED | 17.07.1984 |
| 4601 | 1.74 | 24.0 | 5.0 | WATER BASED | 18.07.1984 |
| 4649 | 1.74 | 23.0 | 5.0 | WATER BASED | 19.07.1984 |
| 4699 | 1.74 | 24.0 | 6.0 | WATER BASED | 20.07.1984 |
| 4763 | 1.74 | 23.0 | 6.0 | WATER BASED | 24.07.1984 |
| 4902 | 1.74 | 21.0 | 40.0 | WATER BASED | 30.07.1984 |

## Pressure plots

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

| Document name | Document format | Document size [MB] |
|---|---|---|
| 108_Formation_pressure_(Formasjonstrykk) | pdf | 0.28 |