

**General information**

|                                    |                                  |
|------------------------------------|----------------------------------|
| Wellbore name                      | 6506/12-4                        |
| Type                               | EXPLORATION                      |
| Purpose                            | WILDCAT                          |
| Status                             | P&A                              |
| Factmaps in new window             | <a href="#">link to map</a>      |
| Main area                          | NORWEGIAN SEA                    |
| Well name                          | 6506/12-4                        |
| Seismic location                   | ST 8403 - 203 SP. 471            |
| Production licence                 | <a href="#">094</a>              |
| Drilling operator                  | Den norske stats oljeselskap a.s |
| Drill permit                       | 460-L                            |
| Drilling facility                  | <a href="#">DYVI STENA</a>       |
| Drilling days                      | 143                              |
| Entered date                       | 24.03.1985                       |
| Completed date                     | 13.08.1985                       |
| Release date                       | 13.08.1987                       |
| Publication date                   | 02.03.2004                       |
| Purpose - planned                  | WILDCAT                          |
| Reentry                            | NO                               |
| Content                            | SHOWS                            |
| Discovery wellbore                 | NO                               |
| Kelly bushing elevation [m]        | 25.0                             |
| Water depth [m]                    | 257.0                            |
| Total depth (MD) [m RKB]           | 4457.0                           |
| Final vertical depth (TVD) [m RKB] | 4455.0                           |
| Maximum inclination [°]            | 6                                |
| Bottom hole temperature [°C]       | 155                              |
| Oldest penetrated age              | EARLY JURASSIC                   |
| Oldest penetrated formation        | ÅRE FM                           |
| Geodetic datum                     | ED50                             |
| NS degrees                         | 65° 12' 46.97" N                 |
| EW degrees                         | 6° 43' 30.37" E                  |
| NS UTM [m]                         | 7234298.14                       |
| EW UTM [m]                         | 393591.29                        |
| UTM zone                           | 32                               |
| NPDID wellbore                     | 475                              |



## Wellbore history

### General

Wildcat well 6506/12-4 was drilled on the Alpha north segment in the northern part of the Smørbukk field, Haltenbanken. The primary objective was to test the hydrocarbon bearing potential of Middle Jurassic Sandstones.

Secondary objectives were to test Early Jurassic sandstones within the coal beds, and possible sand development within the Cretaceous. The prognosed depth was 4457 m or rocks of Triassic age to satisfy the licence commitment.

The well is the typewell for the Melke, Springar, and Nise Formations, and reference well for the Viking and Cromer Knoll Groups and the Lange, Lysing, and Kvitnos Formations (NPD Bulletin no 4)

### Operations and results

Wildcat well 6506/12-4 was spudded with Dyvi Offshore installation Dyvi Stena 24 March 1985 and drilled to TD at 4457 m in the Early Jurassic Åre Formation. The well was drilled with seawater and hi-vis pills down to 680 m where a shallow gas pocket caused the well to flow. The gas was led through the diverter system and mud weight was increased. This led to lost circulation, but control was gradually regained after pumping LCM pills. A cement plug was set between 600 m and 680 m. The 20" casing was set shallow at 622 m and drilling commenced with a Gypsum / Lignosulphonate mud system to the 8 1/2" section at 3936 m from where a weighted lignosulphonate mud system was used the rest of the well bore down to TD. During coring operation, at 3978 m, a water kick was experienced, but was brought under control. During cleanup at TD the drill string got stuck. While attempting to work this free, the string fell off the hook. Three weeks were spent on fishing for the string without complete success. The top of the fish is left at 3910 m.

About ten m sandstone was encountered in top Lysing Formation (Late Cenomanian ? Turonian). The sandstone was cored and it contained hydrocarbons but none were produced during DST. The Garn Formation was encountered at 3980 m and a pore pressure considerably higher than expected was observed. Shows were recorded on the cores from the Lysing. Shows recorded in sandstone sequences throughout the Jurassic indicated residual hydrocarbons. Three cores were cut in the well: one from 3135 m to 3157 m in the Lysing to Lange Formations and two from 3972 m to 4008.5 m in the Melke to Garn Formations. The well was plugged and abandoned on 13 August 1985 as a dry well with shows.

### Testing

One DST test was performed in the Lysing Formation between 3133 m to 3150 m. Only water was produced and the test indicated poor reservoir characteristics. Maximum temperature at 3095.62 m was 105.9°C

## Cuttings at the Norwegian Offshore Directorate



|                               |                                   |
|-------------------------------|-----------------------------------|
| Cutting sample, top depth [m] | Cutting samples, bottom depth [m] |
| 370.00                        | 4457.00                           |

|                                  |     |
|----------------------------------|-----|
| 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                  | 3129.0                  | 3150.9                     | [m ]                    |
| 2                  | 3972.0                  | 3980.1                     | [m ]                    |
| 3                  | 3980.2                  | 4008.7                     | [m ]                    |

|                               |      |
|-------------------------------|------|
| Total core sample length [m]  | 58.5 |
| Cores available for sampling? | YES  |

### Core photos



3129-3133m



3134-3138m



3139-3143m



3144-3148m



3149-3150m



3972-3977m



3978-3980m



3980-3985m



3986-3991m



3992-3997m



3998-4003m



4004-4008m

**Palynological slides at the Norwegian Offshore Directorate**

| Sample depth | Depth unit | Sample type | Laboratory |
|--------------|------------|-------------|------------|
| 1630.0       | [m]        | DC          | OD         |
| 1990.0       | [m]        | DC          | STRAT      |
| 2010.0       | [m]        | DC          | STRAT      |
| 2020.0       | [m]        | DC          | STRAT      |
| 2040.0       | [m]        | DC          | STRAT      |
| 2050.0       | [m]        | DC          | STRAT      |
| 2070.0       | [m]        | DC          | STRAT      |
| 2080.0       | [m]        | DC          | STRAT      |
| 2100.0       | [m]        | DC          | STRAT      |
| 2110.0       | [m]        | DC          | STRAT      |
| 2130.0       | [m]        | DC          | STRAT      |
| 2140.0       | [m]        | DC          | STRAT      |
| 2140.0       | [m]        | DC          | OD         |
| 2160.0       | [m]        | DC          | STRAT      |
| 2170.0       | [m]        | DC          | STRAT      |
| 2180.0       | [m]        | DC          | OD         |
| 2190.0       | [m]        | DC          | STRAT      |
| 2210.0       | [m]        | DC          | STRAT      |
| 2220.0       | [m]        | DC          | STRAT      |
| 2240.0       | [m]        | DC          | STRAT      |
| 2250.0       | [m]        | DC          | STRAT      |
| 2270.0       | [m]        | DC          | STRAT      |
| 2280.0       | [m]        | DC          | STRAT      |
| 2300.0       | [m]        | DC          | STRAT      |
| 2310.0       | [m]        | DC          | STRAT      |
| 2326.0       | [m]        | DC          | STRAT      |
| 2340.0       | [m]        | DC          | STRAT      |
| 2360.0       | [m]        | DC          | STRAT      |
| 2375.0       | [m]        | SWC         | STRAT      |
| 2381.0       | [m]        | DC          | STRAT      |
| 2390.0       | [m]        | DC          | STRAT      |
| 2405.0       | [m]        | DC          | STRAT      |
| 2434.0       | [m]        | DC          | STRAT      |
| 2449.0       | [m]        | DC          | STRAT      |
| 2464.0       | [m]        | DC          | STRAT      |
| 2481.5       | [m]        | SWC         | STRAT      |
| 2482.0       | [m]        | DC          | STRAT      |
| 2497.0       | [m]        | DC          | STRAT      |



|        |     |     |       |
|--------|-----|-----|-------|
| 2509.0 | [m] | DC  | STRAT |
| 2527.0 | [m] | DC  | STRAT |
| 2539.0 | [m] | DC  | STRAT |
| 2554.0 | [m] | DC  | STRAT |
| 2569.0 | [m] | DC  | STRAT |
| 2579.5 | [m] | SWC | STRAT |
| 2584.0 | [m] | DC  | STRAT |
| 2599.0 | [m] | DC  | STRAT |
| 2614.0 | [m] | DC  | STRAT |
| 2629.0 | [m] | DC  | STRAT |
| 2644.0 | [m] | DC  | STRAT |
| 2659.0 | [m] | DC  | STRAT |
| 2674.0 | [m] | DC  | STRAT |
| 2679.5 | [m] | SWC | STRAT |
| 2689.0 | [m] | DC  | STRAT |
| 2704.0 | [m] | DC  | STRAT |
| 2734.0 | [m] | DC  | STRAT |
| 2749.0 | [m] | DC  | STRAT |
| 2764.0 | [m] | DC  | STRAT |
| 2779.0 | [m] | DC  | STRAT |
| 2780.0 | [m] | SWC | STRAT |
| 2794.0 | [m] | DC  | STRAT |
| 2809.0 | [m] | DC  | STRAT |
| 2824.0 | [m] | DC  | STRAT |
| 2839.0 | [m] | DC  | STRAT |
| 2853.0 | [m] | DC  | STRAT |
| 2868.0 | [m] | DC  | STRAT |
| 2879.5 | [m] | SWC | STRAT |
| 2884.0 | [m] | DC  | STRAT |
| 2899.0 | [m] | DC  | STRAT |
| 2914.0 | [m] | DC  | STRAT |
| 2929.0 | [m] | DC  | STRAT |
| 2934.5 | [m] | SWC | STRAT |
| 2944.0 | [m] | DC  | STRAT |
| 2959.0 | [m] | DC  | STRAT |
| 2974.0 | [m] | DC  | STRAT |
| 2989.0 | [m] | DC  | STRAT |
| 3004.0 | [m] | DC  | STRAT |
| 3019.0 | [m] | DC  | STRAT |
| 3034.0 | [m] | DC  | STRAT |



|            |     |       |
|------------|-----|-------|
| 3034.0 [m] | DC  | RRI   |
| 3049.0 [m] | DC  | STRAT |
| 3052.0 [m] | DC  | RRI   |
| 3064.0 [m] | DC  | STRAT |
| 3070.0 [m] | DC  | RRI   |
| 3079.0 [m] | DC  | STRAT |
| 3084.5 [m] | SWC | STRAT |
| 3094.0 [m] | DC  | STRAT |
| 3094.0 [m] | DC  | RRI   |
| 3109.0 [m] | DC  | STRAT |
| 3114.5 [m] | SWC | STRAT |
| 3124.0 [m] | DC  | STRAT |
| 3129.1 [m] | C   | STRAT |
| 3130.1 [m] | C   | SAGA  |
| 3130.4 [m] | C   | SAGA  |
| 3132.5 [m] | C   | STRAT |
| 3133.2 [m] | C   | STRAT |
| 3133.4 [m] | C   | SAGA  |
| 3136.6 [m] | C   | STRAT |
| 3137.8 [m] | C   | SAGA  |
| 3139.0 [m] | DC  | STRAT |
| 3139.7 [m] | C   | STRAT |
| 3141.0 [m] | C   | STRAT |
| 3143.2 [m] | C   | SAGA  |
| 3143.4 [m] | C   | STRAT |
| 3143.7 [m] | C   | STRAT |
| 3144.3 [m] | C   | SAGA  |
| 3146.4 [m] | C   | STRAT |
| 3146.8 [m] | C   | SAGA  |
| 3148.1 [m] | C   | STRAT |
| 3149.2 [m] | C   | SAGA  |
| 3150.0 [m] | C   | STRAT |
| 3150.9 [m] | C   | SAGA  |
| 3154.0 [m] | DC  | STRAT |
| 3160.0 [m] | DC  | RRI   |
| 3169.0 [m] | DC  | STRAT |
| 3181.0 [m] | DC  | RRI   |
| 3184.0 [m] | DC  | STRAT |
| 3199.0 [m] | DC  | STRAT |
| 3204.5 [m] | SWC | STRAT |



|            |     |       |
|------------|-----|-------|
| 3214.0 [m] | DC  | STRAT |
| 3223.0 [m] | DC  | RRI   |
| 3229.0 [m] | DC  | STRAT |
| 3244.0 [m] | DC  | STRAT |
| 3244.0 [m] | DC  | RRI   |
| 3259.0 [m] | DC  | STRAT |
| 3264.5 [m] | SWC | STRAT |
| 3274.0 [m] | DC  | STRAT |
| 3283.0 [m] | DC  | RRI   |
| 3289.0 [m] | DC  | STRAT |
| 3301.0 [m] | DC  | RRI   |
| 3304.0 [m] | DC  | STRAT |
| 3319.0 [m] | DC  | STRAT |
| 3319.0 [m] | DC  | RRI   |
| 3334.0 [m] | DC  | STRAT |
| 3337.0 [m] | DC  | RRI   |
| 3349.0 [m] | DC  | STRAT |
| 3354.5 [m] | SWC | STRAT |
| 3364.0 [m] | DC  | STRAT |
| 3373.0 [m] | DC  | RRI   |
| 3379.0 [m] | DC  | STRAT |
| 3391.0 [m] | DC  | RRI   |
| 3394.0 [m] | DC  | STRAT |
| 3409.0 [m] | DC  | STRAT |
| 3409.0 [m] | DC  | RRI   |
| 3424.0 [m] | DC  | STRAT |
| 3427.0 [m] | DC  | RRI   |
| 3439.0 [m] | DC  | STRAT |
| 3444.5 [m] | SWC | STRAT |
| 3454.0 [m] | DC  | STRAT |
| 3463.0 [m] | DC  | RRI   |
| 3469.0 [m] | DC  | STRAT |
| 3484.0 [m] | DC  | STRAT |
| 3493.0 [m] | DC  | RRI   |
| 3499.0 [m] | DC  | STRAT |
| 3504.5 [m] | SWC | STRAT |
| 3514.0 [m] | DC  | STRAT |
| 3523.0 [m] | DC  | RRI   |
| 3529.0 [m] | DC  | STRAT |
| 3541.0 [m] | DC  | RRI   |



|            |    |       |
|------------|----|-------|
| 3544.0 [m] | DC | STRAT |
| 3559.0 [m] | DC | STRAT |
| 3559.0 [m] | DC | RRI   |
| 3574.0 [m] | DC | STRAT |
| 3577.0 [m] | DC | RRI   |
| 3589.0 [m] | DC | STRAT |
| 3595.0 [m] | DC | RRI   |
| 3604.0 [m] | DC | STRAT |
| 3613.0 [m] | DC | RRI   |
| 3619.0 [m] | DC | STRAT |
| 3631.0 [m] | DC | RRI   |
| 3634.0 [m] | DC | STRAT |
| 3649.0 [m] | DC | STRAT |
| 3649.0 [m] | DC | RRI   |
| 3664.0 [m] | DC | RRI   |
| 3667.0 [m] | DC | RRI   |
| 3679.0 [m] | DC | STRAT |
| 3685.0 [m] | DC | RRI   |
| 3697.0 [m] | DC | STRAT |
| 3703.0 [m] | DC | RRI   |
| 3709.0 [m] | DC | STRAT |
| 3721.0 [m] | DC | RRI   |
| 3724.0 [m] | DC | STRAT |
| 3736.0 [m] | DC | STRAT |
| 3739.0 [m] | DC | RRI   |
| 3754.0 [m] | DC | STRAT |
| 3757.0 [m] | DC | RRI   |
| 3769.0 [m] | DC | STRAT |
| 3775.0 [m] | DC | RRI   |
| 3784.0 [m] | DC | STRAT |
| 3793.0 [m] | DC | RRI   |
| 3799.0 [m] | DC | STRAT |
| 3811.0 [m] | DC | RRI   |
| 3814.0 [m] | DC | STRAT |
| 3820.0 [m] | DC | RRI   |
| 3829.0 [m] | DC | STRAT |
| 3835.0 [m] | DC | RRI   |
| 3844.0 [m] | DC | STRAT |
| 3847.0 [m] | DC | RRI   |
| 3859.0 [m] | DC | STRAT |



|            |    |       |
|------------|----|-------|
| 3859.0 [m] | DC | RRI   |
| 3871.0 [m] | DC | RRI   |
| 3874.0 [m] | DC | STRAT |
| 3889.0 [m] | DC | STRAT |
| 3898.0 [m] | DC | STRAT |
| 3934.0 [m] | DC | STRAT |
| 3943.0 [m] | DC | STRAT |
| 3964.0 [m] | DC | STRAT |
| 3970.0 [m] | DC | STRAT |
| 3972.1 [m] | C  | STRAT |
| 3972.2 [m] | C  | STRAT |
| 3972.6 [m] | C  | OD    |
| 3973.1 [m] | C  | OD    |
| 3974.1 [m] | C  | STRAT |
| 3974.5 [m] | C  | OD    |
| 3975.2 [m] | C  | STRAT |
| 3975.7 [m] | C  | OD    |
| 3976.1 [m] | C  | STRAT |
| 3977.0 [m] | C  | OD    |
| 3977.0 [m] | C  | STRAT |
| 3977.6 [m] | C  | STRAT |
| 3983.0 [m] | C  | STRAT |
| 3988.4 [m] | C  | OD    |
| 3993.0 [m] | C  | STRAT |
| 3997.9 [m] | C  | STRAT |
| 4012.0 [m] | DC | STRAT |
| 4021.0 [m] | DC | STRAT |
| 4030.0 [m] | DC | STRAT |
| 4039.0 [m] | DC | STRAT |
| 4048.0 [m] | DC | STRAT |
| 4057.0 [m] | DC | STRAT |
| 4066.0 [m] | DC | STRAT |
| 4075.0 [m] | DC | STRAT |
| 4084.0 [m] | DC | STRAT |
| 4093.0 [m] | DC | STRAT |
| 4102.0 [m] | DC | STRAT |
| 4111.0 [m] | DC | STRAT |
| 4120.0 [m] | DC | STRAT |
| 4132.0 [m] | DC | STRAT |
| 4138.0 [m] | DC | STRAT |



|            |    |       |
|------------|----|-------|
| 4156.0 [m] | DC | STRAT |
| 4165.0 [m] | DC | STRAT |
| 4174.0 [m] | DC | STRAT |
| 4183.0 [m] | DC | STRAT |
| 4192.0 [m] | DC | STRAT |
| 4201.0 [m] | DC | STRAT |
| 4210.0 [m] | DC | STRAT |
| 4219.0 [m] | DC | STRAT |
| 4228.0 [m] | DC | STRAT |
| 4237.0 [m] | DC | STRAT |
| 4246.0 [m] | DC | STRAT |
| 4255.0 [m] | DC | STRAT |
| 4264.0 [m] | DC | STRAT |
| 4273.0 [m] | DC | STRAT |
| 4282.0 [m] | DC | STRAT |
| 4291.0 [m] | DC | STRAT |
| 4300.0 [m] | DC | STRAT |
| 4309.0 [m] | DC | STRAT |
| 4318.0 [m] | DC | STRAT |
| 4327.0 [m] | DC | STRAT |
| 4399.0 [m] | DC | STRAT |
| 4408.0 [m] | DC | STRAT |
| 4417.0 [m] | DC | STRAT |
| 4426.0 [m] | DC | STRAT |
| 4435.0 [m] | DC | STRAT |
| 4444.0 [m] | DC | STRAT |
| 4459.0 [m] | DC | STRAT |

**Lithostratigraphy**

| Top depth<br>[mMD RKB] | Lithostrat. unit             |
|------------------------|------------------------------|
| 282                    | <a href="#">NORDLAND GP</a>  |
| 282                    | <a href="#">NAUST FM</a>     |
| 1470                   | <a href="#">KAI FM</a>       |
| 1897                   | <a href="#">HORDALAND GP</a> |
| 1897                   | <a href="#">BRYGGE FM</a>    |
| 2065                   | <a href="#">ROGALAND GP</a>  |
| 2065                   | <a href="#">TARE FM</a>      |
| 2171                   | <a href="#">TANG FM</a>      |



|      |                                 |
|------|---------------------------------|
| 2211 | <a href="#">SHETLAND GP</a>     |
| 2211 | <a href="#">SPRINGAR FM</a>     |
| 2380 | <a href="#">NISE FM</a>         |
| 2600 | <a href="#">KVITNOS FM</a>      |
| 3133 | <a href="#">CROMER KNOLL GP</a> |
| 3133 | <a href="#">LYSING FM</a>       |
| 3150 | <a href="#">LANGE FM</a>        |
| 3835 | <a href="#">LYR FM</a>          |
| 3855 | <a href="#">VIKING GP</a>       |
| 3855 | <a href="#">SPEKK FM</a>        |
| 3863 | <a href="#">MELKE FM</a>        |
| 3980 | <a href="#">FANGST GP</a>       |
| 3980 | <a href="#">GARN FM</a>         |
| 4021 | <a href="#">NOT FM</a>          |
| 4045 | <a href="#">ILE FM</a>          |
| 4116 | <a href="#">BÅT GP</a>          |
| 4116 | <a href="#">ROR FM</a>          |
| 4168 | <a href="#">TOFTE FM</a>        |
| 4252 | <a href="#">TILJE FM</a>        |
| 4414 | <a href="#">ÅRE FM</a>          |

**Composite logs**

| Document name       | Document format | Document size [MB] |
|---------------------|-----------------|--------------------|
| <a href="#">475</a> | pdf             | 0.76               |

**Geochemical information**

| Document name         | Document format | Document size [MB] |
|-----------------------|-----------------|--------------------|
| <a href="#">475_1</a> | pdf             | 4.80               |

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

| Document name                                   | Document format | Document size [MB] |
|-------------------------------------------------|-----------------|--------------------|
| <a href="#">475_01_WDSS_General_Information</a> | pdf             | 0.30               |





|                                            |     |      |
|--------------------------------------------|-----|------|
| <a href="#">475 02 WDSS completion log</a> | pdf | 0.31 |
|--------------------------------------------|-----|------|

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

| Document name                                           | Document format | Document size [MB] |
|---------------------------------------------------------|-----------------|--------------------|
| <a href="#">475 6506 12 4 COMPLETION REPORT AND LOG</a> | pdf             | 32.29              |

**Drill stem tests (DST)**

| Test number | From depth MD [m] | To depth MD [m] | Choke size [mm] |
|-------------|-------------------|-----------------|-----------------|
| 1.0         | 3133              | 3150            | 12.7            |

| Test number | Final shut-in pressure [MPa] | Final flow pressure [MPa] | Bottom hole pressure [MPa] | Downhole temperature [°C] |
|-------------|------------------------------|---------------------------|----------------------------|---------------------------|
| 1.0         | 17.000                       |                           |                            |                           |

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

**Logs**

| Log type           | Log top depth [m] | Log bottom depth [m] |
|--------------------|-------------------|----------------------|
| CBL VDL GR         | 270               | 2087                 |
| CBL VDL GR         | 270               | 2087                 |
| CBL VDL GR         | 275               | 3905                 |
| CST GR             | 2207              | 3505                 |
| ISF LSS MSFL SP GR | 355               | 638                  |
| ISF LSS MSFL SP GR | 620               | 2105                 |
| ISF LSS MSFL SP GR | 2088              | 3953                 |
| ISF LSS MSFL SP GR | 3934              | 4457                 |
| LDL CNL GR         | 620               | 2106                 |
| LDL CNL HGS GR     | 2087              | 3956                 |
| LDL GR             | 620               | 2106                 |
| MWD - GR RES DIR   | 376               | 4437                 |





|          |      |      |
|----------|------|------|
| NGS PL.B | 3650 | 3956 |
| VSP      | 630  | 3905 |

**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                  | 356.0            | 36                | 357.0          | 0.00                     | LOT                 |
| SURF.COND.  | 20                  | 622.0            | 26                | 680.0          | 1.54                     | LOT                 |
| INTERM.     | 13 3/8              | 2089.0           | 17 1/2            | 2107.0         | 1.79                     | LOT                 |
| INTERM.     | 9 5/8               | 3936.0           | 12 1/4            | 3955.0         | 1.92                     | LOT                 |
| OPEN HOLE   |                     | 4457.0           | 8 1/2             | 4457.0         | 0.00                     | LOT                 |

**Drilling mud**

| Depth MD [m] | Mud weight [g/cm3] | Visc. [mPa.s] | Yield point [Pa] | Mud type    | Date measured |
|--------------|--------------------|---------------|------------------|-------------|---------------|
| 680          | 1.12               | 6.0           | 7.3              | WATERBASED  | 10.04.1985    |
| 680          | 1.12               | 6.0           | 7.3              | WATER BASED | 10.04.1985    |
| 1650         | 1.21               | 6.0           | 7.0              | WATERBASED  | 23.04.1985    |
| 1650         | 1.21               | 6.0           | 7.0              | WATER BASED | 23.04.1985    |
| 2107         | 1.50               | 6.0           | 7.0              | WATERBASED  | 25.04.1985    |
| 2107         | 1.50               | 6.0           | 7.0              | WATER BASED | 25.04.1985    |
| 3950         | 1.73               | 18.0          | 6.7              | WATER BASED | 04.06.1985    |
| 3950         | 1.73               | 18.0          | 6.7              | WATERBASED  | 04.06.1985    |
| 3978         | 1.79               | 18.0          | 7.0              | WATERBASED  | 20.06.1985    |
| 3978         | 1.79               | 18.0          | 7.0              | WATER BASED | 20.06.1985    |
| 4112         | 1.79               | 22.0          | 7.7              | WATER BASED | 25.06.1985    |
| 4112         | 1.79               | 22.0          | 7.7              | WATERBASED  | 25.06.1985    |

**Thin sections at the Norwegian Offshore Directorate**

| Depth   | Unit |
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| 3129.35 | [m ] |
| 3136.35 | [m ] |
| 3138.35 | [m ] |
| 3139.35 | [m ] |

