



General information





Wellbore name	35/3-4
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Discovery	35/3-2 Agat
Well name	35/3-4
Seismic location	
Production licence	041
Drilling operator	Saga Petroleum ASA
Drill permit	272-L
Drilling facility	BYFORD DOLPHIN
Drilling days	189
Entered date	30.11.1980
Completed date	06.06.1981
Release date	06.06.1983
Publication date	18.05.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS/CONDENSATE
Discovery wellbore	NO
1st level with HC, age	EARLY CRETACEOUS
1st level with HC, formation	AGAT FM
Kelly bushing elevation [m]	25.0
Water depth [m]	258.0
Total depth (MD) [m RKB]	4089.0
Final vertical depth (TVD) [m RKB]	4087.0
Maximum inclination [°]	3.5
Bottom hole temperature [°C]	125
Oldest penetrated age	PRE-DEVONIAN
Oldest penetrated formation	BASEMENT
Geodetic datum	ED50
NS degrees	61° 51' 54.54" N
EW degrees	3° 52' 26.99" E
NS UTM [m]	6859631.80
EW UTM [m]	545989.90
UTM zone	31
NPDID wellbore	219



Wellbore history

General

Wildcat wells 35/3-3 and 35/3-4 were drilled in the Norwegian sector of the North Sea approximately 50 km west of Måløy, Norway. The primary target was to test the possible extension of Lower Cretaceous sandstones to the east of those encountered in wells 35/3-1 and 35/3-2. A stratigraphic trap was thought to exist in these sandstones. A secondary target was possible sandstones of Early Jurassic age with a possible pinch-out trap.

Well 35/3-3 was spudded with the semi-submersible installation Byford Dolphin on 30 October 1980. It was drilled and logged to 900 m, then junked because of technical problems running the 20" casing. The rig was moved about 20 meters, and the well was respudded as 35/3-4.

Operations and results

Well 35/3-4 was spudded with the semi-submersible installation Byford Dolphin on 30 November 1980 and drilled to TD at 4089 m in Basement rocks (Caledonian age). A sidetrack was drilled from 3768 m. The well was drilled with seawater and gel down to 457m, with seawater/gel/lignosulfonate from 457 m to 879 m, with lignosulfonate/gypsum/gel mud from 879 m to 2388 m, and with gel/lignosulfonate/PAC mud from 2388 m to TD.

The well penetrated strata from Tertiary through Jurassic before reaching basement rocks-of Caledonian age.

Hydrocarbon shows were encountered in Lower Cretaceous and Lower-Middle Jurassic sand. The Lower Cretaceous sediments were interpreted as submarine fans. RFT measurements in Lower Cretaceous indicate an upper zone with a gas gradient of 0.4 psi/m, and a deeper zone with a water gradient of 1,54 psi/m. There seem to be no pressure communication between these two zones. Log evaluation indicate 13 m net thickness in the interval 3445 m to 3471 m, with an average porosity of 19 % and an average water saturation of 52 %.

Organic geochemical analyses showed poor, immature to marginally mature source rocks with limited potential for gas/condensate down to ca 3200 m. At 3200 m to ca 3650 metres zones of medium to dark grey shales have useful TOC (up to ca 3%) but are effectively immature in well position and have a negligible potential for gas (hydrogen index from 50 to 150 mg HC/g TOC).

Abundant medium to dark grey and dark olive grey shales occur in zones from 3650 m to TD. Although they are generally poor source rocks scattered fair and good to very good interbeds are also present, notably in the Heather Formation and below 4000 m (base of Cook). The best interval was found in the interval 3695 m to 3725 m in the Heather Formation (TOC from 3.1 % to 3.8 % and hydrogen index from 260 mg/g to 360 mg/g). Their marginal maturity will, however, limit hydrocarbon generation on-structure to minor volumes of gas and associated liquids. Ten cores were cut in the Agat Formation from 3400.6 m to 3543 m and one core was cut in basement at TD from 4087 m to 4088.8 m.

The well was plugged and abandoned on 6 June 1981 as a gas/condensate appraisal of the 35/3-2 Agat Discovery.

Testing

Three drill stem tests were performed in the Lower Cretaceous sequence. In DST1 the intervals 3488.50 m to 3495.00, 3498.25 m to 3503.25, and 3504.50 m to 3507.75 were



perforated, but no fluids were produced. In DST2 the intervals 3445.00 m to 3447.5, 3449.25 m to 3453.5, 3454.5 m to 3459.5, and 3464.0 m to 3471.5 were perforated, but due to technical problems the test was abandoned. The final test, named DST 2A the same perforation intervals as in DST2 were used. Final gas flow rate under the first main flow period was 688000 Sm³/day and the corresponding condensate flow rate was 84 Sm³/day on a 36/64" choke. This correspond to a GOR of 8200 Sm³/Sm³. The gas gravity was 0.62 (air = 1) and condensate gravity was 50.3 °API.

Based on the test results from both 35/3-2 and 35/3-4 the reservoir encountered in 35/3-2 was interpreted as close to its dew point, while the 35/3-4 reservoir may not be. The reservoir penetrated by 35/3-4 is in a different pressure regime showing the two reservoirs to be different.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
890.00	4086.00

Cuttings available for sampling?	NO
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3400.6	3415.4	[m]
2	3447.3	3457.6	[m]
3	3458.5	3459.6	[m]
4	3459.7	3478.1	[m]
5	3478.1	3488.6	[m]
6	3491.8	3497.0	[m]
7	3497.8	3509.5	[m]
8	3509.5	3514.8	[m]
9	3518.0	3530.7	[m]
10	3536.0	3542.8	[m]
11	4087.0	4088.5	[m]

Total core sample length [m]	98.2
Cores available for sampling?	YES

Core photos



3400-3403m



3403-3406m



3406-3408m



3408-3411m



3411-3414m



3414-3415m



3447-3450m



3450-3452m



3452-3455m



3455-3457m



3458-3459m



3459-3462m



3462-3465m



3465-3467m



3467-3470m



3470-3473m



3473-3475m



3475-3481m



3478-3480m



3480-3483m



3483-3486m



3486-3488m



3497-3500m



3500-3503m



3491-3494m



3494-3497m



3503-3505m



3505-3508m



3503-3505m



3505-3508m



3508-3509m



4087-4088m



3509-3512m



3512-3514m



3518-3520m



3520-3523m



3523-3526m



3526-3528m



3528-3530m



3536-3538m



3538-3541m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
660.0	[m]	DC	RRI
1020.0	[m]	DC	ROBERTSO
1030.0	[m]	DC	ROBERTSO
1040.0	[m]	DC	ROBERTSO
1070.0	[m]	DC	ROBERTSO
1080.0	[m]	DC	ROBERTSO
1090.0	[m]	DC	ROBERTSO
1100.0	[m]	DC	ROBERTSO
1110.0	[m]	DC	ROBERTSO
1120.0	[m]	DC	ROBERTSO
1130.0	[m]	DC	ROBERTSO
1140.0	[m]	DC	ROBERTSO
1150.0	[m]	DC	ROBERTSO
1160.0	[m]	DC	ROBERTSO
1170.0	[m]	DC	ROBERTSO
1180.0	[m]	DC	ROBERTSO



1190.0 [m]	DC	ROBERTSO
1200.0 [m]	DC	ROBERTSO
1210.0 [m]	DC	ROBERTSO
1210.0 [m]	DC	RRI
1220.0 [m]	DC	ROBERTSO
1230.0 [m]	DC	ROBERTSO
1240.0 [m]	DC	ROBERTSO
1250.0 [m]	DC	ROBERTSO
1260.0 [m]	DC	ROBERTSO
1270.0 [m]	DC	ROBERTSO
1280.0 [m]	DC	ROBERTSO
1290.0 [m]	DC	ROBERTSO
1300.0 [m]	DC	ROBERTSO
1310.0 [m]	DC	R
1320.0 [m]	DC	ROBERTSO
1330.0 [m]	DC	ROBERTSO
1340.0 [m]	DC	ROBERTSO
1350.0 [m]	DC	ROBERTSO
1360.0 [m]	DC	ROBERTSO
1370.0 [m]	DC	ROBERTSO
1380.0 [m]	DC	ROBERTSO
1390.0 [m]	DC	ROBERTSO
1400.0 [m]	DC	ROBERTSO
1410.0 [m]	DC	RRI
1420.0 [m]	DC	ROBERTSO
1440.0 [m]	DC	ROBERTSO
1450.0 [m]	DC	ROBERTSO
1460.0 [m]	DC	ROBERTSO
1470.0 [m]	DC	RRI
1490.0 [m]	DC	RRI
1510.0 [m]	DC	RRI
1530.0 [m]	DC	RRI
1550.0 [m]	DC	RRI
1570.0 [m]	DC	RRI
1590.0 [m]	DC	RRI
1610.0 [m]	DC	RRI
1630.0 [m]	DC	RRI
1650.0 [m]	DC	RRI
1670.0 [m]	DC	RRI
1690.0 [m]	DC	RRI



1710.0 [m]	DC	RRI
1730.0 [m]	DC	RRI
1750.0 [m]	DC	RRI
1770.0 [m]	DC	RRI
1790.0 [m]	DC	RRI
1810.0 [m]	DC	RRI
1830.0 [m]	DC	RRI
1850.0 [m]	DC	RRI
1870.0 [m]	DC	RRI
1890.0 [m]	DC	RRI
1910.0 [m]	DC	RRI
1930.0 [m]	DC	RRI
1990.0 [m]	DC	RRI
2010.0 [m]	DC	RRI
2030.0 [m]	DC	RRI
2050.0 [m]	DC	RRI
2070.0 [m]	DC	RRI
2090.0 [m]	DC	RRI
2110.0 [m]	DC	RRI
2120.0 [m]	DC	RRI
2130.0 [m]	DC	RRI
2150.0 [m]	DC	RRI
2170.0 [m]	DC	RRI
2190.0 [m]	DC	RRI
2210.0 [m]	DC	RRI
2230.0 [m]	DC	RRI
2250.0 [m]	DC	RRI
2270.0 [m]	DC	RRI
2290.0 [m]	DC	RRI
2310.0 [m]	DC	RRI
2330.0 [m]	DC	RRI
2350.0 [m]	DC	RRI
2370.0 [m]	DC	RRI
2385.0 [m]	DC	RRI
2405.0 [m]	DC	RRI
2425.0 [m]	DC	RRI
2445.0 [m]	DC	RRI
2465.0 [m]	DC	RRI
2485.0 [m]	DC	RRI
2505.0 [m]	DC	RRI



2525.0	[m]	DC	RRI
2545.0	[m]	DC	RRI
2565.0	[m]	DC	RRI
2585.0	[m]	DC	RRI
2605.0	[m]	DC	RRI
2625.0	[m]	DC	RRI
2645.0	[m]	DC	RRI
2665.0	[m]	DC	RRI
2680.0	[m]	DC	RRI
2700.0	[m]	DC	RRI
2720.0	[m]	DC	RRI
2740.0	[m]	DC	RRI
2760.0	[m]	DC	RRI
2780.0	[m]	DC	RRI
2800.0	[m]	DC	RRI
2805.0	[m]	DC	RRI
2820.0	[m]	DC	RRI
2840.0	[m]	DC	RRI
2860.0	[m]	DC	RRI
2880.0	[m]	DC	RRI
3000.0	[m]	DC	RRI
3020.0	[m]	DC	RRI
3040.0	[m]	DC	RRI
3090.0	[m]	DC	RRI
3110.0	[m]	DC	RRI
3130.0	[m]	DC	RRI
3200.0	[m]	DC	RRI
3221.0	[m]	DC	RRI
3236.0	[m]	DC	RRI
3251.0	[m]	DC	RRI
3266.0	[m]	DC	RRI
3281.0	[m]	DC	RRI
3296.0	[m]	DC	RRI
3311.0	[m]	DC	RRI
3323.0	[m]	DC	RRI
3326.0	[m]	DC	RRI
3338.0	[m]	DC	RRI
3353.0	[m]	DC	OD
3359.0	[m]	DC	RRI
3362.0	[m]	DC	RRI



3374.0 [m]	DC	RRI
3389.0 [m]	DC	RRI
3400.6 [m]	C	RRI
3400.8 [m]	C	OD
3401.2 [m]	DC	OD
3401.8 [m]	C	OD
3402.8 [m]	C	OD
3403.6 [m]	C	OD
3404.0 [m]	DC	RRI
3404.4 [m]	C	OD
3404.5 [m]	C	RRI
3404.8 [m]	C	OD
3405.0 [m]	DC	OD
3405.9 [m]	C	OD
3405.9 [m]	C	OD
3406.6 [m]	C	OD
3406.6 [m]	C	OD
3407.0 [m]	DC	OD
3407.2 [m]	C	OD
3408.3 [m]	C	OD
3409.0 [m]	C	RRI
3409.3 [m]	C	OD
3410.0 [m]	C	OD
3410.0 [m]	C	OD
3410.7 [m]	C	OD
3410.8 [m]	C	OD
3412.0 [m]	C	OD
3412.1 [m]	DC	OD
3412.5 [m]	C	RRI
3412.9 [m]	C	OD
3413.5 [m]	DC	OD
3414.0 [m]	C	OD
3415.3 [m]	C	RRI
3415.4 [m]	C	OD
3422.0 [m]	DC	RRI
3427.0 [m]	DC	OD
3437.0 [m]	DC	RRI
3439.0 [m]	DC	OD
3447.0 [m]	DC	OD
3447.3 [m]	C	OD



3448.2 [m]	C	STATOIL
3448.6 [m]	C	OD
3449.8 [m]	C	OD
3450.0 [m]	C	STATOIL
3450.2 [m]	DC	OD
3450.5 [m]	C	RRI
3450.8 [m]	C	OD
3450.8 [m]	C	OD
3450.8 [m]	C	OD
3451.8 [m]	C	OD
3452.0 [m]	DC	RRI
3452.8 [m]	C	OD
3454.8 [m]	C	OD
3456.0 [m]	C	OD
3456.0 [m]	C	OD
3456.2 [m]	C	RRI
3456.6 [m]	C	OD
3456.7 [m]	C	OD
3457.0 [m]	C	OD
3457.4 [m]	C	OD
3457.4 [m]	C	OD
3458.9 [m]	C	OD
3459.0 [m]	C	OD
3459.5 [m]	C	RRI
3459.6 [m]	C	OD
3459.6 [m]	C	OD
3459.9 [m]	C	OD
3461.0 [m]	C	OD
3462.3 [m]	C	OD
3463.2 [m]	C	OD
3464.2 [m]	C	OD
3464.8 [m]	C	OD
3464.9 [m]	C	OD
3465.0 [m]	C	OD
3465.0 [m]	C	RRI
3465.0 [m]	C	STATOIL
3466.5 [m]	C	OD
3467.0 [m]	DC	RRI
3467.7 [m]	C	OD
3469.0 [m]	C	OD



3469.3 [m]	C	OD
3469.3 [m]	C	OD
3469.7 [m]	C	OD
3470.5 [m]	C	OD
3471.0 [m]	C	OD
3471.2 [m]	C	OD
3471.2 [m]	C	OD
3471.2 [m]	C	OD
3471.6 [m]	C	RRI
3472.3 [m]	C	OD
3473.0 [m]	C	OD
3474.0 [m]	C	OD
3474.1 [m]	C	OD
3474.7 [m]	C	OD
3474.8 [m]	C	RRI
3474.9 [m]	C	RRI
3475.0 [m]	C	OD
3475.7 [m]	C	OD
3475.8 [m]	C	OD
3477.2 [m]	C	OD
3477.3 [m]	C	OD
3477.4 [m]	C	OD
3478.1 [m]	C	OD
3479.7 [m]	C	OD
3479.8 [m]	C	OD
3480.2 [m]	C	OD
3481.1 [m]	C	OD
3481.1 [m]	C	OD
3482.0 [m]	DC	STATOIL
3482.2 [m]	C	OD
3483.1 [m]	C	OD
3483.2 [m]	C	OD
3483.2 [m]	C	RRI
3483.5 [m]	C	OD
3483.5 [m]	C	RRI
3483.7 [m]	C	OD
3483.8 [m]	C	OD
3485.8 [m]	C	OD
3486.2 [m]	C	STATOIL
3486.8 [m]	C	OD



3487.7 [m]	C	OD
3487.8 [m]	C	OD
3488.6 [m]	C	OD
3491.9 [m]	C	OD
3492.0 [m]	C	RRI
3492.4 [m]	C	OD
3493.3 [m]	C	OD
3493.5 [m]	C	OD
3494.5 [m]	C	OD
3494.9 [m]	C	OD
3495.2 [m]	C	OD
3495.3 [m]	C	OD
3495.4 [m]	C	STATOIL
3497.9 [m]	C	OD
3500.0 [m]	DC	STATOIL
3505.2 [m]	C	OD
3505.2 [m]	C	OD
3505.3 [m]	C	OD
3505.4 [m]	C	RRI
3506.2 [m]	C	OD
3506.3 [m]	C	OD
3507.1 [m]	C	OD
3507.2 [m]	C	OD
3507.2 [m]	C	OD
3508.0 [m]	C	OD
3508.1 [m]	C	OD
3509.1 [m]	C	OD
3509.5 [m]	C	RRI
3510.3 [m]	C	OD
3510.4 [m]	C	OD
3510.9 [m]	C	OD
3511.1 [m]	C	OD
3511.1 [m]	C	OD
3511.7 [m]	C	OD
3511.7 [m]	C	OD
3512.3 [m]	C	RRI
3512.4 [m]	C	OD
3512.7 [m]	C	OD
3513.7 [m]	C	OD
3514.0 [m]	C	OD



3514.6	[m]	C	RRI
3514.7	[m]	C	OD
3514.8	[m]	C	OD
3515.0	[m]	DC	STATOIL
3518.7	[m]	C	OD
3518.8	[m]	C	OD
3518.8	[m]	C	RRI
3519.7	[m]	C	OD
3519.8	[m]	C	OD
3520.7	[m]	C	OD
3521.0	[m]	C	OD
3521.1	[m]	C	OD
3522.1	[m]	C	OD
3522.3	[m]	C	OD
3523.6	[m]	C	OD
3523.8	[m]	C	OD
3523.9	[m]	C	OD
3524.9	[m]	C	OD
3525.0	[m]	C	OD
3526.0	[m]	C	OD
3527.4	[m]	C	OD
3527.9	[m]	C	STATOIL
3528.7	[m]	C	OD
3529.7	[m]	C	OD
3530.6	[m]	C	OD
3533.0	[m]	DC	STATOIL
3536.2	[m]	C	OD
3537.3	[m]	C	OD
3538.6	[m]	C	OD
3539.8	[m]	C	OD
3539.9	[m]	C	OD
3539.9	[m]	C	RRI
3541.0	[m]	C	OD
3541.4	[m]	C	OD
3542.1	[m]	C	OD
3542.2	[m]	C	OD
3542.4	[m]	C	OD
3548.0	[m]	DC	STATOIL
3552.0	[m]	C	OD
3563.0	[m]	DC	STATOIL



3565.0	[m]	C	OD
3572.0	[m]	C	OD
3572.0	[m]	DC	RRI
3578.0	[m]	DC	STATOIL
3583.0	[m]	C	OD
3593.0	[m]	DC	STATOIL
3596.0	[m]	C	OD
3596.0	[m]	C	OD
3608.0	[m]	DC	STATOIL
3623.0	[m]	DC	STATOI
3637.0	[m]	C	OD
3638.0	[m]	DC	STATOIL
3652.0	[m]	C	OD
3683.0	[m]	DC	RRI
3688.0	[m]	DC	OD
3690.0	[m]	DC	OD
3693.0	[m]	DC	OD
3695.0	[m]	DC	OD
3710.0	[m]	DC	OD
3725.0	[m]	DC	OD
3764.0	[m]	DC	RRI
3770.0	[m]	DC	OD
3794.0	[m]	DC	OD
3824.0	[m]	DC	RRI
3923.0	[m]	DC	RRI
3975.0	[m]	DC	OD
3983.0	[m]	DC	RRI
4043.0	[m]	DC	RRI
4087.1	[m]	C	OD
4088.3	[m]	C	OD

Oil samples at the Norwegian Offshore Directorate

Test type	Bottle number	Top depth MD [m]	Bottom depth MD [m]	Fluid type	Test time	Samples available
DST	DST2A	3445.00	3471.50		25.05.1981 - 15:40	YES

**Lithostratigraphy**

Top depth [mMD RKB]	Lithostrat. unit
283	NORDLAND GP
575	HORDALAND GP
575	NO FORMAL NAME
1162	ROGALAND GP
1162	BALDER FM
1177	LISTA FM
1327	NO FORMAL NAME
1356	LISTA FM
1401	NO FORMAL NAME
1457	VÅLE FM
1470	SHETLAND GP
1470	JORSALFARE FM
1561	KYRRE FM
2714	TRYGGVASON FM
3040	BLODØKS FM
3088	SVARTE FM
3345	CROMER KNOLL GP
3345	AGAT FM
3583	ÅSGARD FM
3667	VIKING GP
3667	HEATHER FM
3800	DUNLIN GP
3800	DRAKE FM
3963	COOK FM
4069	BASEMENT

Composite logs

Document name	Document format	Document size [MB]
219	pdf	0.72

Geochemical information





Document name	Document format	Document size [MB]
219_01	pdf	1.98
219_02	pdf	1.93
219_03	pdf	1.84
219_04	pdf	1.89
219_05	pdf	1.89
219_06	pdf	1.25
219_07	pdf	2.00
219_08	pdf	1.89
219_09	pdf	1.74
219_10	pdf	2.00
219_11	pdf	0.10

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

Document name	Document format	Document size [MB]
219_01 WDSS General Information	pdf	0.11
219_02 WDSS completion log	pdf	0.25

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

Document name	Document format	Document size [MB]
219_35_3_4 COMPLETION REPORT AND LOG	pdf	4.29

Drill stem tests (DST)

Test number	From depth MD [m]	To depth MD [m]	Choke size [mm]
2.0	3445	3471	14.3

Test number	Final shut-in pressure [MPa]	Final flow pressure [MPa]	Bottom hole pressure [MPa]	Downhole temperature [°C]
2.0				





Test number	Oil [Sm3/day]	Gas [Sm3/day]	Oil density [g/cm3]	Gas grav. rel.air	GOR [m3/m3]
2.0	84	688000	0.778	0.620	8190

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL	1850	3574
CBL	2300	3756
CBL	3388	3566
CST	2721	3780
CST	3781	4080
DLL MSFL GR	2650	3797
FDC CNL GR	874	2382
FDC CNL GR	2368	3798
HDT	2368	3791
HDT	3756	4085
ISF BHC GR	2320	3800
ISF LSS GR	874	2382
ISF MSFL BHC GR	3700	4084
LDL CNL GR	3756	4085
NGS	3200	3650
RFT	2368	3798
RFT	3446	3548
RFT	3859	3878
VSP WST	2367	3798
WST	888	2382
WST	3640	4084

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	456.0	36	457.0	0.00	LOT
SURF.COND.	20	873.0	26	879.0	1.63	LOT
INTERM.	13 3/8	2367.0	17 1/2	2383.0	1.64	LOT
INTERM.	8 5/8	3756.0	12 1/4	3800.0	1.76	LOT
OPEN HOLE		4089.0	8 1/2	4089.0	0.00	LOT

**Drilling mud**

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
457	0.00			seawater	
879	1.13	100.0		water	
1506	1.23	56.0		water	
1836	1.25	50.0		water	
2000	1.29	58.0		water	
2197	1.32	71.0		water	
2383	1.28	55.0		water	
3200	1.29	44.0		water	
3401	1.34	47.0		water	
3417	1.35	70.0		water	
3458	1.40	42.0		water	
3478	1.37	50.0		water	
3518	1.38	43.0		water	
3800	1.36	47.0		water	
4089	1.43	56.0		water	

Thin sections at the Norwegian Offshore Directorate

Depth	Unit
3409.98	[m]
3401.78	[m]
3404.80	[m]
3405.85	[m]
3405.88	[m]
3406.48	[m]
3407.20	[m]
3408.25	[m]
3400.75	[m]
3410.00	[m]
3410.70	[m]
3411.98	[m]
3413.98	[m]
3447.30	[m]
3448.60	[m]



3449.75	[m]
3450.77	[m]
3450.80	[m]
3451.80	[m]
3452.83	[m]
3454.84	[m]
3455.95	[m]
3455.98	[m]
3456.96	[m]
3457.35	[m]
3457.40	[m]
3458.96	[m]
3459.58	[m]
3459.88	[m]
3460.99	[m]
3462.25	[m]
3463.20	[m]
3464.15	[m]
3465.00	[m]
3466.50	[m]
3467.70	[m]
3468.95	[m]
3469.30	[m]
3470.50	[m]
3471.23	[m]
3472.30	[m]
3473.00	[m]
3474.00	[m]
3474.05	[m]
3475.70	[m]
3475.76	[m]
3477.32	[m]
3477.36	[m]
3478.10	[m]
3479.72	[m]
3480.23	[m]
3481.05	[m]
3481.08	[m]
3482.20	[m]
3483.70	[m]



3485.75	[m]
3486.75	[m]
3487.72	[m]
3487.76	[m]
3488.60	[m]
3492.40	[m]
3493.25	[m]
3494.45	[m]
3494.88	[m]
3495.20	[m]
3496.40	[m]
3497.95	[m]
3499.00	[m]
3500.15	[m]
3501.15	[m]
3502.30	[m]
3503.35	[m]
3504.55	[m]
3505.23	[m]
3505.33	[m]
3506.20	[m]
3506.30	[m]
3507.05	[m]
3509.05	[m]
3510.30	[m]
3510.35	[m]
3510.88	[m]
3511.08	[m]
3511.12	[m]
3511.65	[m]
3511.70	[m]
3513.70	[m]
3514.75	[m]
3518.75	[m]
3519.68	[m]
3519.78	[m]
3520.65	[m]
3521.00	[m]
3539.80	[m]
3522.30	[m]



3523.75	[m]
3523.90	[m]
3524.85	[m]
3526.00	[m]
3527.35	[m]
3528.70	[m]
3529.70	[m]
3530.60	[m]
3536.15	[m]
3537.28	[m]
3538.60	[m]
4088.30	[m]
3542.20	[m]
4087.10	[m]
3525.00	[m]
3512.70	[m]
3521.06	[m]

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.

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