

**General information**

Wellbore name	25/4-6 S
Type	EXPLORATION
Purpose	WILDCAT
Status	SUSPENDED
Factmaps in new window	link to map
Main area	NORTH SEA
Field	VALE
Discovery	25/4-6 S Vale
Well name	25/4-6
Seismic location	EL8802 - 110 SP 205
Production licence	036
Drilling operator	Elf Petroleum Norge AS
Drill permit	678-L
Drilling facility	WEST VANGUARD
Drilling days	132
Entered date	15.04.1991
Completed date	24.08.1991
Release date	24.08.1993
Publication date	15.02.2006
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS/CONDENSATE
Discovery wellbore	YES
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	HUGIN FM
Kelly bushing elevation [m]	22.0
Water depth [m]	114.0
Total depth (MD) [m RKB]	4170.0
Final vertical depth (TVD) [m RKB]	4136.0
Maximum inclination [°]	22.5
Bottom hole temperature [°C]	143
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	59° 42' 35.43" N
EW degrees	2° 19' 4.45" E
NS UTM [m]	6619449.04
EW UTM [m]	461620.07



UTM zone	31
NPDID wellbore	1703

Wellbore history

General

Well 25/4-6 S was planned to prove the hydrocarbon potential in a structure located on the northern extension of the Heimdal Ridge. The structure is located in the NE corner of block 25/4, fairly close to the Heimdal, Frøy and Frigg Fields. Four-ways closures were mapped on all levels from the "Near top Frigg sequence" marker to the Base Vestland Group Marker. The structure above the Base Cretaceous Unconformity is a fairly simple dome/mounded feature, while the Vestland Group and deeper sections consist of an antithetic tilted block. The objective of the well was to explore all closures down to at least Vestland Group level. The primary target was the Vestland Group; secondary targets were the Frigg and Heimdal Formations, while the Statfjord Formation was a third, optional target. Based on data from surrounding wells, no abnormal pressure was expected. To achieve an optimal position in reaching the targets the well was planned deviated.

Operations and results

Wildcat well 25/4-6 S was spudded with the semi-submersible installation West Vanguard on 15 April 1991 and drilled to TD at 4170 m, 41 m into the Statfjord Formation. The well was drilled vertical (max 2 deg deviation) through the Frigg and Heimdal prospects down to 2424 m. From here angle was built up to a maximum of 22.5 deg at 3025 m before it was dropped off again to 3 deg at final TD. The hole opener cone was lost at 266 m resulting in 8 days and 15 hours lost time before drilling could be resumed. The FMT tool got stuck at 3836 m with fishing unsuccessful. Thus it was decided to set a cement plug on top of the tool and perform a sidetrack. The well was drilled with seawater and viscous pills down to 197 m, with bentonite mud from 197 m to 1220 m, with KCl/polymer mud from 1220 m to 2503 m, and with lignosulphonate mud from 2503 m to TD.

The Early Eocene Frigg reservoir was not found, and the Palaeocene Heimdal reservoir was water bearing. Top Vestland Group came in at a depth of 3716 m, 37 m deeper than predicted. The group was 222 m thick and hydrocarbon bearing over the uppermost 120 m (hydrocarbon/water contact at 3836 m). The reservoir fluid type was assumed to be a condensate/wet gas with a 0.486 g/cc gradient over the HC-bearing zone, according to the RFT measurements. The Statfjord Formation was water bearing.

A total of 12 conventional cores were cut from the Vestland Group, Dunlin Group, and the Statfjord Formation. The mismatch between core depth and logger's depth was large. Core depth had to be added a correction of 8.5 m to 11 m in order to match with the logger's depth. A total of 25 sidewall cores were attempted and 19 were recovered. Two FMT fluid samples were taken, at 3803.5 m in the Hugin Formation and at 4141.5 m in the Statfjord Formation. Both recovered salt water with a small volume of gas.

The well was suspended on 24 August 1991 as a gas/condensate discovery.

Testing

One DST tests was performed in the interval 3802-3819 m and flowed at a rate of 461700 Sm³/d gas and 688 Sm³/d oil through a 20.64 mm choke. The GOR was 671 Sm³/Sm³ with an oil density of 0.82 g/ml (41 deg API).

**Cuttings at the Norwegian Offshore Directorate**

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
210.00	4020.00

Cuttings available for sampling?	YES
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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	3712.0	3714.3	[m]
2	3715.0	3733.2	[m]
3	3734.0	3745.8	[m]
4	3746.0	3774.0	[m]
5	3774.0	3790.4	[m]
6	3791.0	3818.8	[m]
7	3819.0	3846.3	[m]
8	3846.5	3873.0	[m]
9	3874.0	3902.2	[m]
10	4061.0	4070.0	[m]
11	4124.0	4131.1	[m]
12	4131.5	4134.0	[m]

Total core sample length [m]	205.0
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
2100.0	[m]	DC	PETROSTR
2110.0	[m]	DC	PETROS
2120.0	[m]	DC	PETROS
2130.0	[m]	DC	PETROS
2140.0	[m]	DC	PETROS
2150.0	[m]	DC	PETROS
2160.0	[m]	DC	PETROS
2170.0	[m]	DC	PETROS
2180.0	[m]	DC	PETROS



2190.0	[m]	DC	PETROS
2200.0	[m]	DC	PETROS
2220.0	[m]	DC	PETROS
2240.0	[m]	DC	PETROS
2310.0	[m]	DC	PETROS
2330.0	[m]	DC	PETROS
2340.0	[m]	DC	PETROS
2360.0	[m]	DC	PETROS
2380.0	[m]	DC	PETROS
2390.0	[m]	DC	PETROS
2420.0	[m]	DC	PETROS
2440.0	[m]	DC	PETROS
2450.0	[m]	DC	PETROS
2460.0	[m]	DC	PETROS
2490.0	[m]	DC	PETROS
2510.0	[m]	DC	PETROS
2520.0	[m]	DC	PETROS
2530.0	[m]	DC	PETROS
2545.0	[m]	DC	PETROS
2555.0	[m]	DC	PETROS
2570.0	[m]	DC	PETROS
2580.0	[m]	DC	PETROS
2610.0	[m]	DC	PETROS
2620.0	[m]	DC	PETROS
2630.0	[m]	DC	PETROS
2650.0	[m]	DC	PETROS
2665.0	[m]	DC	PETROS
2685.0	[m]	DC	PETROS
2700.0	[m]	DC	PETROS
2715.0	[m]	DC	PETROS
2730.0	[m]	DC	PETROS
2740.0	[m]	DC	PETROS
2750.0	[m]	DC	PETROS
2846.5	[m]	C	SNEA(P)
3680.0	[m]	DC	SNEA(P)
3700.0	[m]	DC	SNEA(P)
3710.0	[m]	DC	SNEA(P)
3712.1	[m]	C	SNEA(P)
3713.2	[m]	C	SNEA(P)
3715.5	[m]	C	SNEA(P)



3716.5	[m]	C	SNEA(P)
3717.3	[m]	C	SNEA(P)
3718.0	[m]	DC	SNEA(P)
3719.5	[m]	C	SNEA(P)
3721.0	[m]	DC	SNEA(P)
3723.0	[m]	DC	SNEA(P)
3725.5	[m]	C	SNEA(P)
3727.0	[m]	DC	SNEA(P)
3729.4	[m]	C	SNEA(P)
3731.0	[m]	C	SNEA(P)
3734.0	[m]	DC	SNEA(P)
3736.0	[m]	DC	SNEA(P)
3738.5	[m]	C	SNEA(P)
3740.0	[m]	C	SNEA(P)
3742.0	[m]	DC	SNEA(P)
3744.0	[m]	DC	SNEA(P)
3746.3	[m]	C	SNEA(P)
3749.3	[m]	C	SNEA(P)
3751.0	[m]	DC	SNEA(P)
3753.0	[m]	DC	SNEA(P)
3754.9	[m]	C	SNEA(P)
3756.0	[m]	DC	SNEA(P)
3759.3	[m]	C	SNEA(P)
3761.0	[m]	DC	SNEA(P)
3763.0	[m]	DC	SNEA(P)
3765.0	[m]	C	SNEA(P)
3768.0	[m]	DC	SNEA(P)
3769.9	[m]	C	SNEA(P)
3770.5	[m]	C	SNEA(P)
3772.0	[m]	DC	SNEA(P)
3774.0	[m]	DC	SNEA(P)
3777.0	[m]	DC	SNEA(P)
3779.5	[m]	C	SNEA(P)
3781.0	[m]	DC	SNEA(P)
3783.9	[m]	C	SNEA(P)
3784.5	[m]	C	SNEA(P)
3784.6	[m]	C	SNEA(P)
3785.9	[m]	C	SNEA(P)
3787.4	[m]	C	SNEA(P)
3788.5	[m]	C	SNEA(P)



3789.0	[m]	DC	SNEA(P)
3791.0	[m]	DC	SNEA(P)
3793.0	[m]	C	SNEA(P)
3795.0	[m]	C	SNEA(P)
3797.0	[m]	DC	SNEA(P)
3799.0	[m]	DC	SNEA(P)
3801.0	[m]	DC	SNEA(P)
3802.4	[m]	C	SNEA(P)
3802.6	[m]	C	SNEA(P)
3804.0	[m]	DC	SNEA(P)
3806.3	[m]	C	SNEA(P)
3810.2	[m]	C	SNEA(P)
3811.0	[m]	DC	SNEA(P)
3814.0	[m]	DC	SNEA(P)
3817.0	[m]	DC	SNEA(P)
3819.5	[m]	C	SNEA(P)
3820.2	[m]	C	SNEA(P)
3820.4	[m]	C	SNEA(P)
3822.0	[m]	C	SNEA(P)
3825.0	[m]	DC	SNEA(P)
3828.0	[m]	DC	SNEA(P)
3831.0	[m]	C	SNEA(P)
3834.0	[m]	DC	SNEA(P)
3835.1	[m]	C	SNEA(P)
3835.8	[m]	C	SNEA(P)
3837.0	[m]	C	SNEA(P)
3840.0	[m]	C	SNEA(P)
3843.0	[m]	C	SNEA(P)
3849.5	[m]	C	SNEA(P)
3852.6	[m]	C	SNEA(P)
3855.5	[m]	C	SNEA(P)
3858.5	[m]	C	SNEA(P)
3862.5	[m]	C	SNEA(P)
3864.1	[m]	C	SNEA(P)
3864.3	[m]	C	SNEA(P)
3864.5	[m]	C	SNEA(P)
3864.8	[m]	C	SNEA(P)
3865.3	[m]	C	SNEA(P)
3866.3	[m]	C	SNEA(P)
3866.5	[m]	C	SNEA(P)



3869.5	[m]	C	SNEA(P)
3873.0	[m]	C	SNEA(P)
3875.0	[m]	C	SNEA(P)
3876.7	[m]	C	SNEA(P)
3877.8	[m]	C	SNEA(P)
3880.8	[m]	C	SNEA(P)
3881.4	[m]	C	SNEA(P)
3882.8	[m]	C	SNEA(P)
3885.8	[m]	C	SNEA(P)
3888.4	[m]	C	SNEA(P)
3889.8	[m]	C	SNEA(P)
3892.6	[m]	C	SNEA(P)
3892.7	[m]	C	SNEA(P)
3894.3	[m]	C	SNEA(P)
3894.7	[m]	C	SNEA(P)
3895.3	[m]	C	SNEA(P)
3897.0	[m]	DC	SNEA(P)
3898.0	[m]	DC	SNEA(P)
3901.6	[m]	C	SNEA(P)
3905.0	[m]	DC	SNEA(P)
3920.0	[m]	DC	SNEA(P)
3935.0	[m]	DC	SNEA(P)
3940.0	[m]	DC	SNEA(P)
3950.0	[m]	DC	SNEA(P)
3970.0	[m]	DC	SNEA(P)
3990.0	[m]	DC	SNEA(P)
4010.0	[m]	DC	SNEA(P)
4030.0	[m]	DC	SNEA(P)
4061.0	[m]	DC	SNEA(P)
4063.0	[m]	DC	SNEA(P)
4065.0	[m]	DC	SNEA(P)
4067.0	[m]	DC	SNEA(P)
4121.0	[m]	DC	SNEA(P)
4126.0	[m]	DC	SNEA(P)
4128.0	[m]	DC	SNEA(P)
4130.0	[m]	C	SNEA(P)
4131.5	[m]	C	SNEA(P)
4133.0	[m]	C	SNEA(P)

**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	DST1	3802.00	3819.00		14.08.1991 - 00:00	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
136	NORDLAND GP
225	UTSIRA FM
976	HORDALAND GP
1192	SKADE FM
1203	NO FORMAL NAME
1272	GRID FM
1362	NO FORMAL NAME
2121	ROGALAND GP
2121	BALDER FM
2136	SELE FM
2169	LISTA FM
2200	HEIMDAL FM
2611	VÅLE FM
2759	SHETLAND GP
2759	TOR FM
2903	KYRRE FM
3335	TRYGGVASON FM
3381	BLODØKS FM
3485	SVARTE FM
3532	CROMER KNOLL GP
3532	RØDBY FM
3545	SOLA FM
3563	ÅSGARD FM
3571	VIKING GP
3571	DRAUPNE FM
3619	HEATHER FM
3716	VESTLAND GP
3716	HUGIN FM
3874	SLEIPNER FM



3940	DUNLIN GP
4129	STATEFJORD GP

Composite logs

Document name	Document format	Document size [MB]
1703	pdf	0.53

Geochemical information

Document name	Document format	Document size [MB]
1703_1	pdf	5.25

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

Document name	Document format	Document size [MB]
1703_01_WDSS_General_Information	pdf	0.67
1703_02_WDSS_completion_log	pdf	0.23

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

Document name	Document format	Document size [MB]
1703_25_4_6_S_COMPLETION_LOG	pdf	4.69
1703_25_4_6_S_COMPLETION_REPORT	pdf	102.09

Drill stem tests (DST)

Test number	From depth MD [m]	To depth MD [m]	Choke size [mm]
1.0	3802	3819	20.6

Test number	Final shut-in pressure [MPa]	Final flow pressure [MPa]	Bottom hole pressure [MPa]	Downhole temperature [°C]
1.0				126





Test number	Oil [Sm3/day]	Gas [Sm3/day]	Oil density [g/cm3]	Gas grav. rel.air	GOR [m3/m3]
1.0	688	461700	0.810	0.720	671

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CAL	130	3430
DIF AC GR	4021	4140
DIF AC GR CBL	2706	4002
DIFL AC ZDEN GR	1910	2499
DIFL AC ZDL GR	2493	3591
DIL SLS GR LDT CNL	3700	4170
DIP	1207	2499
DIP	3595	3970
DIP GR	3581	3591
DL GR	4021	4170
DLL MLL SL	3578	4022
FMT	2205	2225
FMT	3736	3838
MCL	150	3490
MFC	3585	3590
MWD RWD	198	4022
SBT GR CCL	3430	4021
SWC	2037	2462
VSP	1800	4021
ZDL CN GR	3578	3878

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	197.0	36	200.0	0.00	LOT
INTERM.	20	1207.0	26	1210.0	1.75	LOT
INTERM.	13 3/8	2493.0	17 1/2	2495.0	1.84	LOT
INTERM.	9 5/8	3578.0	12 1/4	3580.0	1.98	LOT
LINER	7	4021.0	8 1/2	4170.0	2.15	LOT

**Drilling mud**

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
313	1.05	7.0	16.0	WATER BASED	22.04.1991
717	1.08	8.0	22.0	WATER BASED	23.04.1991
973	1.08	9.0	23.0	WATER BASED	24.04.1991
1215	1.09	9.0	19.0	WATER BASED	25.04.1991
1215	1.08	8.0	14.0	WATER BASED	26.04.1991
1215	1.09	7.0	20.0	WATER BASED	29.04.1991
1220	1.08	7.0	17.0	WATER BASED	29.04.1991
1220	1.09			WATER BASED	29.04.1991
1220	1.09			WATER BASED	30.04.1991
1220	1.09			WATER BASED	02.05.1991
1220	1.09			WATER BASED	03.05.1991
1220	1.09			WATER BASED	06.05.1991
1240	1.25	20.0	14.0	WATER BASED	06.05.1991
1240	1.25	25.0	36.0	WATER BASED	07.05.1991
1503	1.25	21.0	32.0	WATER BASED	06.05.1991
2000	1.25	28.0	18.0	WATER BASED	08.05.1991
2066	1.30	29.0	19.0	WATER BASED	10.05.1991
2303	1.30	31.0	19.0	WATER BASED	10.05.1991
2433	1.30	30.0	19.5	WATER BASED	13.05.1991
2433	1.30	29.0	16.0	WATER BASED	13.05.1991
2433	1.30	29.0	16.0	WATER BASED	13.05.1991
2433	1.35	26.0	14.5	WATER BASED	15.05.1991
2433	1.38	25.0	12.5	WATER BASED	16.05.1991
2433	1.38	24.0	14.0	WATER BASED	21.05.1991
2433	1.38	22.0	14.5	WATER BASED	21.05.1991
2433	1.38	23.0	29.0	WATER BASED	21.05.1991
2433	1.38	25.0	15.0	WATER BASED	21.05.1991
2433	1.38	26.0	15.5	WATER BASED	21.05.1991
2433	1.35	22.0	17.0	WATER BASED	14.05.1991
2446	1.38	23.0	14.5	WATER BASED	22.05.1991
2503	1.38	21.0	14.0	WATER BASED	23.05.1991
2503	1.38	24.0	12.0	WATER BASED	27.05.1991
2503	1.38	23.0	11.5	WATER BASED	27.05.1991
2503	1.38	23.0	11.5	WATER BASED	28.05.1991



2503	1.38	23.0	12.0	WATER BASED	24.05.1991
2503	1.38	23.0	24.0	WATER BASED	27.05.1991
2535	1.36	29.0	15.0	WATER BASED	29.05.1991
2609	1.36	33.0	13.0	WATER BASED	30.05.1991
2695	1.36	28.0	33.0	WATER BASED	03.06.1991
2695	1.36	25.0	17.5	WATER BASED	31.05.1991
2712	1.36	26.0	31.0	WATER BASED	03.06.1991
2738	1.36	24.0	13.5	WATER BASED	03.06.1991
2761	1.36	26.0	12.0	WATER BASED	04.06.1991
2761	1.36	26.0	12.0	WATER BASED	05.06.1991
2777	1.42	28.0	14.0	WATER BASED	07.06.1991
2788	1.42	28.0	14.0	WATER BASED	07.06.1991
2820	1.42	31.0	28.0	WATER BASED	10.06.1991
2871	1.42	31.0	13.5	WATER BASED	10.06.1991
3080	1.42	32.0	25.0	WATER BASED	12.06.1991
3184	1.42	32.0	13.5	WATER BASED	13.06.1991
3376	1.42	28.0	10.0	WATER BASED	14.06.1991
3414	1.42	22.0	19.0	WATER BASED	19.06.1991
3429	1.75	45.0	12.0	WATER BASED	29.07.1991
3470	1.42	24.0	20.0	WATER BASED	19.06.1991
3591	1.56	28.0	17.0	WATER BASED	19.06.1991
3591	1.56	27.0	17.0	WATER BASED	19.06.1991
3591	1.56	25.0	5.7	WATER BASED	20.06.1991
3591	1.56	25.0	7.5	WATER BASED	21.06.1991
3591	1.57	27.0	10.5	WATER BASED	25.06.1991
3591	1.57	27.0	8.1	WATER BASED	25.06.1991
3591	1.56	30.0	22.0	WATER BASED	19.06.1991
3591	1.56	21.0	7.5	WATER BASED	25.06.1991
3591	1.75	23.0	8.6	WATER BASED	26.06.1991
3608	1.75	23.0	9.6	WATER BASED	26.06.1991
3650	1.75	31.0	10.1	WATER BASED	27.06.1991
3700	1.75	31.0	12.0	WATER BASED	28.06.1991
3712	1.75	28.0	10.5	WATER BASED	01.07.1991
3712	1.75	25.0	9.6	WATER BASED	01.07.1991
3733	1.75	28.0	9.6	WATER BASED	01.07.1991
3746	1.75	29.0	9.6	WATER BASED	02.07.1991
3774	1.75	28.0	9.5	WATER BASED	03.07.1991
3782	1.75	29.0	10.5	WATER BASED	04.07.1991
3817	1.75	32.0	10.5	WATER BASED	05.07.1991
3819	1.75	31.0	9.6	WATER BASED	09.07.1991



3854	1.75	32.0	10.5	WATER BASED	09.07.1991
3886	1.75	35.0	12.0	WATER BASED	09.07.1991
3902	1.75	32.0	10.1	WATER BASED	09.07.1991
3930	1.75	34.0	9.1	WATER BASED	12.08.1991
3930	1.75	34.0	9.6	WATER BASED	13.08.1991
3972	1.75	40.0	8.6	WATER BASED	23.07.1991
3976	1.75	40.0	12.0	WATER BASED	24.07.1991
3986	1.75	39.0	10.5	WATER BASED	25.07.1991
3999	1.75	34.0	12.4	WATER BASED	10.07.1991
4021	1.75	45.0	10.5	WATER BASED	29.07.1991
4022	1.75	43.0	12.0	WATER BASED	26.07.1991
4022	1.75	43.0	12.0	WATER BASED	29.07.1991
4022	1.75	30.0	11.0	WATER BASED	11.07.1991
4022	1.75	28.0	9.6	WATER BASED	15.07.1991
4022	1.75	43.0	10.5	WATER BASED	30.07.1991
4022	1.75	30.0	10.1	WATER BASED	15.07.1991
4022	1.75	27.0	9.6	WATER BASED	15.07.1991
4022	1.75	31.0	9.6	WATER BASED	15.07.1991
4022	1.75	28.0	7.7	WATER BASED	16.07.1991
4022	1.75	31.0	9.1	WATER BASED	17.07.1991
4022	1.75	27.0	7.2	WATER BASED	18.07.1991
4022	1.75	24.0	5.7	WATER BASED	19.07.1991
4022	1.75	25.0	6.2	WATER BASED	22.07.1991
4022	1.75	35.0	6.7	WATER BASED	22.07.1991
4022	1.75	40.0	9.6	WATER BASED	22.07.1991
4039	1.75	43.0	10.5	WATER BASED	31.07.1991
4039	1.75	40.0	9.6	WATER BASED	05.08.1991
4062	1.75	44.0	9.6	WATER BASED	01.08.1991
4072	1.75	44.0	11.0	WATER BASED	02.08.1991
4112	1.75	41.0	10.1	WATER BASED	05.08.1991
4131	1.75	40.0	10.5	WATER BASED	05.08.1991
4147	1.75	38.0	8.6	WATER BASED	06.08.1991
4170	1.75	38.0	9.6	WATER BASED	07.08.1991
4170	1.75	42.0	9.1	WATER BASED	09.08.1991
4170	1.75	41.0	8.6	WATER BASED	12.08.1991
4170	1.75	41.0	8.6	WATER BASED	12.08.1991
4170	1.75	44.0	8.6	WATER BASED	14.08.1991
4170	1.75	37.0	7.7	WATER BASED	15.08.1991
4170	1.75	35.0	6.7	WATER BASED	19.08.1991
4170	1.75	35.0	6.7	WATER BASED	19.08.1991



4170	1.75	48.0	10.1	WATER BASED	20.08.1991
4170	1.75	45.0	9.6	WATER BASED	21.08.1991
4170	1.75	38.0	10.5	WATER BASED	22.08.1991
4170	0.00			WATER BASED	26.08.1991
4170	1.75	38.0	8.6	WATER BASED	08.08.1991
4170	1.75	35.0	7.2	WATER BASED	16.08.1991
4170	1.75	34.0	7.7	WATER BASED	19.08.1991
4170	1.75			WATER BASED	23.08.1991

Thin sections at the Norwegian Offshore Directorate

Depth	Unit
3718.50	[m]
3724.80	[m]
3734.50	[m]
3745.45	[m]
3752.65	[m]
3755.29	[m]
3771.76	[m]
3774.72	[m]
3782.79	[m]
3794.70	[m]
3798.40	[m]
3818.51	[m]
3824.77	[m]
3828.25	[m]
3844.10	[m]
3849.20	[m]
3854.55	[m]
3869.97	[m]
3902.00	[m]
3879.55	[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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