General information

Wellbore name	6507/3-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Field	ALVE
Discovery	6507/3-1 Alve
Well name	6507/3-1
Seismic location	NRGS 84-446 SP 1077
Production licence	159
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	635-L
Drilling facility	ROSS RIG (2)
Drilling days	168
Entered date	12.05.1990
Completed date	26.10.1990
Release date	26.10.1992
Publication date	17.09.2007
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS/CONDENSATE
Discovery wellbore	YES
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	FANGST GP
2nd level with HC, age	EARLY JURASSIC
2nd level with HC, formation	BÅT GP
Kelly bushing elevation [m]	24.0
Water depth [m]	369.0
Total depth (MD) [m RKB]	4757.0
Bottom hole temperature [°C]	171
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	65° 58' 29.85'' N
EW degrees	7° 49' 31.52'' E
NS UTM [m]	7317803.72
EW UTM [m]	446637.44
UTM zone	32
NPDID wellbore	1533

Wellbore history

General

Well 6507/3-1 is located west-southwest of the Norne Field on the Dønna Terrace offshore Mid Norway. The prospect, called the Alpha structure, was defined as a horst structure oriented in a northeast - southwest direction on the Dønna Terrace, west of the Nordland Ridge in the northern part of the block. The northern part of the structure extended into block 6607/12. The well was expected to penetrate rocks of Cenozoic-, Cretaceous-, and Jurassic age. The primary objective of the well was to test the hydrocarbon potential of the Middle to Early Jurassic Fangst and Båt Groups. Secondary objectives were to test possible reservoirs in the Early Cretaceous (Cromer Knoll Group) and Late Jurassic (Rogn Formation sands). The commitment of the well was to drill into rocks of Triassic age or to 5000 m.

Operations and results

Wildcat well 6507/3-1 was spudded with the semi-submersible installation Ross Rig on 12 May 1990, and drilled to TD at 4757 m in Late Triassic sediments of the Åre Formation. After having set the 9 5/8" casing with shoe at 3167 m, an 8 1/2" hole was drilled to 4080 m. This hole, especially the Melke Formation, became very unstable and caused serious drilling problems. After having worked with stuck pipe and fish, the hole was finally plugged back to the 9 5/8" casing shoe and sidetracked from 3177 m, (a technical bypass) and drilled to TD. Due to the problems encountered the first hole was logged from 3850 m to hole TD at 4080 with MWD only, while the sidetracked hole was not logged below 4506 m. The Directional survey shows a practically vertical well with TVD only one meter short of MD down to this depth. The well was drilled with seawater and CMC hi-vis pills down to 900 m, with gypsum/polymer mud from 900 m to 3183 m, with gel/lignosulphonate mud from 3183 m to 3974 m, and with Kemseal/PAC/Miltemp mud from 3974 m to final TD.

Top of the Garn formation was penetrated at 3608 m. Above this level no sand sections of interest were observed. Top of the Garn formation has very good reservoir properties. At approximately 3624 m mica is introduced into the sandstone and below this level the permeability decreases considerably. All sandstones below the Garn formation were mainly tight. Hydrocarbons were encountered in sandstones of the Fangst- and Båt Groups. An oil/water contact at approximately 3809 in the Tilje Formation could be interpreted from the logs, with residual hydrocarbon below this depth.

Seven cores were cut of which the first six were cut in the Garn, Not, Ror, Tilje, and Åre Formations in the first hole, while core no 7 was cut in the Ile Formation in the sidetracked hole. A total of 3 RFT run were performed in the well. All RFT runs were done before the well was sidetracked. The only sampling obtained was in RFT run 3C in the Garn formation at 3610 m. The 2 3/4 gallon chamber was emptied offshore, containing 2 m3 gas and 1.69 litres of 48 deg API condensate.

The well was permanently abandoned on 26 October 1990 as a gas/condensate discovery.

Testing

Four DST tests were performed in this well.

No 1A perforated from 3783 to 3798 m in the Tilje formation. The zone proved to be tight.

No 1B perforated from 3743 to 3764 m in the Tofte formation. The zone proved to be tight.

No 2 perforated from 3690 to 3724 m in the Ile formation. The zone proved to be tight, but some oil and gas was trapped between the LPR-N and the APR-M valves

No 3 perforated from 3611 to 3636 m in the Garn formation. At the end of the main flow the test produced 290 Sm3 condensate and 905000 Sm3 gas /day through a 48/64" choke. The GOR was 3121 Sm3/Sm3, the condensate density was 0.802 g/cm3 (45 deg API), the gas gravity was 0.715 (air = 1) with 3.9 ppm H2S and 3.6 % CO2. The bottom hole temperature in this test was 135.9 deg C.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
900.00	4755.00

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	3612.0	3635.0	[m]
2	3635.0	3660.8	[m]
3	3769.0	3796.9	[m]
4	3797.0	3825.0	[m]
5	3825.0	3857.9	[m]
6	3994.0	4022.0	[m]
7	3671.0	3698.3	[m]

Total core sample length [m]	192.8
Cores available for sampling?	YES

Core photos


3612-3617m


3617-3622m


3622-3627m


3627-3632m


3632-3635m


3635-3610m


3640-3645m


3645-3650m


3650-3655m


3655-3660m


3660-3661m


3769-3774m


3774-3779m


3779-3784m


3784-3789m


3789-3794m


3794-3796m


3797-3802m


3802-3807m


3807-3812m


3812-3817m


3817-3822m


3822-3825m


3825-3830m


3830-3835m


3835-3840m


3840-3845m


3845-3850m


3850-3852m


3994-3999m


3999-4004m


4004-4009m


4009-4014m


4014-4019m


4019-4022m


3671-3676m


3676-3681m


3681-3686m


3686-3691m


3691-3696m


3696-3698m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1425.0	[m]	SWC	STATO
1455.0	[m]	SWC	STATO
1477.1	[m]	SWC	STATO
1490.0	[m]	DC	GEOCH
1510.0	[m]	SWC	STATO
1530.0	[m]	DC	GEOCH
1550.0	[m]	DC	GEOCH
1560.0	[m]	SWC	STATO
1580.0	[m]	SWC	STATO
1600.0	[m]	DC	GEOCH
1625.0	[m]	SWC	STATO
1645.0	[m]	SWC	STATO
1660.0	[m]	DC	GEOCH
1670.0	[m]	SWC	STATO
1680.0	[m]	DC	GEOCH
1700.0	[m]	SWC	STATO
1725.0	[m]	SWC	STATO
1750.0	[m]	SWC	STATO
1764.9	[m]	SWC	STATO
1790.0	[m]	SWC	STATO
1810.0	[m]	SWC	STATO
1825.0	[m]	SWC	STATO
1863.0	[m]	SWC	STATO

1878.0	[m]	SWC	STATO
1909.0	[m]	SWC	STATO
1915.0	[m]	SWC	STATO
1932.0	[m]	SWC	STATO
1956.5	[m]	SWC	STATO
1962.0	[m]	DC	GEOCH
1979.0	[m]	SWC	STATO
1992.0	[m]	SWC	STATO
2011.5	[m]	SWC	STATO
2028.0	[m]	DC	GEOCH
2045.0	[m]	SWC	STATO
2064.0	[m]	DC	GEOCH
2082.0	[m]	DC	GEOCH
2100.0	[m]	DC	GEOCH
2110.5	[m]	SWC	STATO
2118.0	[m]	DC	GEOCH
2136.0	[m]	DC	GEOCH
2154.0	[m]	DC	GEOCH
2173.7	[m]	SWC	STATO
2180.0	[m]	SWC	STATO
2190.0	[m]	DC	GEOCH
2208.0	[m]	DC	GEOCH
2226.0	[m]	DC	GEOCH
2240.8	[m]	SWC	STATO
2262.0	[m]	DC	GEOCH
2280.0	[m]	DC	GEOCH
2305.0	[m]	SWC	STATO
2316.0	[m]	DC	GEOCH
2334.0	[m]	DC	GEOCH
2388.0	[m]	DC	GEOCH
2406.0	[m]	DC	GEOCH
2424.0	[m]	DC	GEOCH
2442.0	[m]	DC	GEOCH
2460.0	[m]	DC	GEOCH
2478.0	[m]	DC	GEOCH
2495.0	[m]	SWC	STATO
2514.0	[m]	DC	GEOCH
2532.0	[m]	DC	GEOCH
2550.0	[m]	DC	GEOCH
2568.0	[m]	DC	GEOCH

2586.0	[m]	DC	GEOCH
2604.0	[m]	DC	GEOCH
2622.0	[m]	DC	GEOCH
2640.0	[m]	DC	GEOCH
2694.0	[m]	DC	GEOCH
2712.0	[m]	DC	GEOCH
2730.0	[m]	DC	GEOCH
2748.0	[m]	DC	GEOCH
2766.0	[m]	DC	GEOCH
2783.5	[m]	SWC	STATO
2800.0	[m]	DC	GEOCH
2818.0	[m]	DC	GEOCH
2830.0	[m]	SWC	STATO
2853.0	[m]	SWC	STATO
2866.0	[m]	DC	GEOCH
2883.2	[m]	SWC	STATO
2893.0	[m]	DC	GEOCH
2905.0	[m]	DC	GEOCH
2914.0	[m]	DC	GEOCH
2924.0	[m]	SWC	STATO
2933.2	[m]	SWC	STATO
2950.0	[m]	SWC	STATO
2961.0	[m]	SWC	STATO
2973.0	[m]	SWC	STATO
2984.0	[m]	SWC	STATO
2995.0	[m]	SWC	STATO
3004.0	[m]	SWC	STATO
3012.0	[m]	SWC	STATO
3019.0	[m]	SWC	STATO
3025.0	[m]	DC	GEOCH
3034.0	[m]	DC	GEOCH
3043.0	[m]	DC	GEOCH
3054.0	[m]	SWC	STATO
3066.5	[m]	SWC	STATO
3077.3	[m]	SWC	STATO
3086.0	[m]	SWC	STATO
3092.0	[m]	SWC	STATO
3096.0	[m]	SWC	STATO
3105.0	[m]	SWC	STATO
3110.0	[m]	SWC	STATO

3116.0	[m]	SWC	STATO
3123.0	[m]	SWC	STATO
3136.0	[m]	DC	GEOCH
3145.0	[m]	DC	GEOCH
3154.0	[m]	DC	GEOCH
3166.0	[m]	DC	GEOCH
3175.0	[m]	DC	GEOCH
3180.0	[m]	DC	GEOCH
3187.0	[m]	DC	GEOCH
3190.0	[m]	DC	GEOCH
3196.0	[m]	DC	GEOCH
3205.0	[m]	DC	GEOCH
3210.0	[m]	DC	GEOCH
3220.0	[m]	DC	GEOCH
3226.0	[m]	DC	GEOCH
3240.0	[m]	DC	GEOCH
3241.0	[m]	DC	GEOCH
3256.0	[m]	DC	GEOCH
3271.0	[m]	DC	GEOCH
3286.0	[m]	DC	GEOCH
3300.0	[m]	DC	GEOCH
3315.0	[m]	DC	GEOCH
3330.0	[m]	DC	GEOCH
3345.0	[m]	DC	GEOCH
3360.0	[m]	DC	GEOCH
3370.0	[m]	SWC	STATO
3375.0	[m]	DC	GEOCH
3380.0	[m]	DC	GEOCH
3390.0	[m]	DC	GEOCH
3414.0	[m]	DC	GEOCH
3432.0	[m]	DC	GEOCH
3447.0	[m]	DC	GEOCH
3462.0	[m]	DC	GEOCH
3474.0	[m]	DC	GEOCH
3492.0	[m]	DC	GEOCH
3507.0	[m]	DC	GEOCH
3513.0	[m]	DC	OD
3516.0	[m]	DC	GEOCH
3520.0	[m]	DC	GEOCH
3530.0	[m]	DC	GEOCH

3531.0	[m]	DC	GEOCH
3546.0	[m]	DC	GEOCH
3550.0	[m]	DC	GEOCH
3560.0	[m]	DC	GEOCH
3561.0	[m]	DC	GEOCH
3570.0	[m]	DC	GEOCH
3576.0	[m]	DC	GEOCH
3585.0	[m]	DC	GEOCH
3590.0	[m]	DC	GEOCH
3594.0	[m]	DC	GEOCH
3600.0	[m]	DC	GEOCH
3603.0	[m]	DC	GEOCH
3609.0	[m]	DC	GEOCH
3615.0	[m]	DC	GEOCH
3617.3	[m]	C	STATO
3618.0	[m]	C	STATO
3626.2	[m]	C	STATO
3630.0	[m]	DC	GEOCH
3634.5	[m]	C	STATO
3640.4	[m]	C	STATO
3645.0	[m]	DC	GEOCH
3646.0	[m]	C	STATO
3651.6	[m]	C	STATO
3654.0	[m]	C	STATO
3658.4	[m]	C	STATO
3660.0	[m]	DC	GEOCH
3660.4	[m]	C	STATO
3660.7	[m]	C	STATO
3669.0	[m]	DC	GEOCH
3672.0	[m]	DC	STATO
3672.3	[m]	C	STATO
3675.0	[m]	DC	GEOCH
3678.0	[m]	DC	GEOCH
3679.3	[m]	C	STATO
3681.0	[m]	DC	STATO
3682.4	[m]	C	STATO
3687.0	[m]	DC	GEOCH
3690.0	[m]	DC	STATO
3690.0	[m]	DC	GEOCH
3692.8	[m]	C	STATO

3696.0	[m]	DC	GEOCH
3698.0	[m]	C	STATO
3699.0	[m]	DC	STATO
3705.0	[m]	DC	GEOCH
3708.0	[m]	DC	STATO
3714.0	[m]	DC	GEOCH
3717.0	[m]	DC	STATO
3717.0	[m]	DC	GEOCH
3723.0	[m]	DC	GEOCH
3726.0	[m]	DC	STATO
3732.0	[m]	DC	GEOCH
3741.0	[m]	DC	GEOCH
3747.0	[m]	DC	GEOCH
3750.0	[m]	DC	GEOCH
3759.0	[m]	DC	GEOCH
3762.0	[m]	DC	GEOCH
3769.0	[m]	C	STATO
3771.0	[m]	C	STATO
3774.7	[m]	C	STATO
3774.8	[m]	C	STATO
3777.0	[m]	DC	GEOCH
3777.6	[m]	C	STATO
3781.0	[m]	C	STATO
3782.6	[m]	C	STATO
3785.3	[m]	C	STATO
3789.4	[m]	C	STATO
3790.0	[m]	C	STATO
3792.0	[m]	DC	GEOCH
3795.0	[m]	C	STATO
3797.0	[m]	C	STATO
3800.0	[m]	C	GEOCH
3806.3	[m]	C	STATO
3807.0	[m]	DC	GEOCH
3811.0	[m]	C	STATO
3822.0	[m]	DC	GEOCH
3822.6	[m]	C	STATO
3825.0	[m]	C	STATO
3831.9	[m]	C	STATO
3837.0	[m]	DC	GEOCH
3840.6	[m]	C	STATO

3844.0	[m]	C	STATO
3851.0	[m]	C	STATO
3852.0	[m]	DC	GEOCH
3852.9	[m]	C	STATO
3858.0	[m]	DC	GEOCH
3867.0	[m]	DC	GEOCH
3870.0	[m]	DC	GEOCH
3882.0	[m]	DC	GEOCH
3888.0	[m]	DC	GEOCH
3897.0	[m]	DC	GEOCH
3898.5	[m]	C	STATO
3903.0	[m]	DC	GEOCH
3912.0	[m]	DC	GEOCH
3921.0	[m]	DC	GEOCH
3927.0	[m]	DC	GEOCH
3936.0	[m]	DC	GEOCH
3942.0	[m]	DC	GEOCH
3951.0	[m]	DC	GEOCH
3957.0	[m]	DC	GEOCH
3966.0	[m]	DC	GEOCH
3972.0	[m]	DC	GEOCH
3981.0	[m]	DC	GEOCH
3987.8	[m]	SWC	STATO
3997.3	[m]	C	STATO
4002.5	[m]	SWC	STATO
4003.1	[m]	C	STATO
4007.7	[m]	C	STATO
4013.0	[m]	C	STATO
4019.0	[m]	C	STATO
4019.5	[m]	SWC	STATO
4039.0	[m]	DC	GEOCH
4049.0	[m]	DC	STATO
4054.0	[m]	DC	GEOCH
4057.0	[m]	SWC	STATO
4062.5	[m]	SWC	STATO
4069.0	[m]	DC	GEOCH
4075.1	[m]	SWC	STATO
4080.4	[m]	DC	GEOCH
4082.5	[m]	SWC	STATO
4094.0	[m]	SWC	STATO

4099.0	[m]	DC	STATO
4142.0	[m]	SWC	STATO
4149.0	[m]	DC	STATO
4175.5	[m]	SWC	STATO
4176.0	[m]	DC	STATO
4190.0	[m]	DC	STATO
4199.0	[m]	SWC	STATO
4209.0	[m]	DC	GEOCH
4224.0	[m]	DC	GEOCH
4240.0	[m]	DC	STATO
4284.8	[m]	SWC	STATO
4291.0	[m]	DC	STATO
4303.0	[m]	DC	STATO
4326.0	[m]	DC	GEOCH
4350.0	[m]	DC	STATO
4362.0	[m]	DC	STATO
4366.9	[m]	SWC	STATO
4380.0	[m]	DC	STATO
4386.5	[m]	SWC	STATO
4402.0	[m]	DC	STATO
4425.0	[m]	DC	GEOCH
4440.0	[m]	DC	STATO
4446.4	[m]	SWC	STATO
4450.0	[m]	DC	STATO
4458.9	[m]	DC	STATO
4476.0	[m]	SWC	STATO
4493.0	[m]	SWC	STATO
4501.0	[m]	DC	STATO
4515.0	[m]	DC	STATO
4539.0	[m]	DC	STATO
4563.0	[m]	DC	STATO
4566.0	[m]	DC	STATO
4581.0	[m]	DC	STATO
4592.0	[m]	DC	STATO
4599.0	[m]	DC	STATO
4604.0	[m]	DC	STATO
4611.0	[m]	DC	STATO
4617.0	[m]	DC	STATO
4642.7	[m]	DC	STATO
4650.0	[m]	DC	STATO

4675.6	[m]	DC	STATO
4683.0	[m]	DC	STATO
4706.0	[m]	DC	STATO
4720.0	[m]	DC	STATO
4735.0	[m]	DC	STATO
4754.0	[m]	DC	STATO
4757.0	[m]	DC	STATO

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	TEST3	3611.00	3636.00		10.10.1990 - 13:30	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
393	NORDLAND GP
393	NAUST FM
1305	KAI FM
1610	HORDALAND GP
1610	BRYGGE FM
1887	ROGALAND GP
1887	TARE FM
1923	TANG FM
1984	SHETLAND GP
1984	SPRINGAR FM
2106	NISE FM
2809	KVITNOS FM
2845	CROMER KNOLL GP
2845	LANGE FM
3018	LYR FM
3088	VIKING GP
3088	SPEKK FM
3122	MELKE FM
3608	FANGST GP
3608	GARN FM

3635	NOT FM
3665	ILE FM
3723	BÅT GP
3723	ROR FM
3743	TOFTE FM
3763	ROR FM
3776	TILJE FM
3976	ÅRE FM

Geochemical information

Document name	Document format	Document size [MB]
1533_1	pdf	0.23
1533_2	pdf	0.72
1533_3	pdf	0.55
1533_4	pdf	0.04

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

Document name	Document format	Document size [MB]
1533_01_WDSS_General_Information	pdf	0.27
1533_02_WDSS_completion_log	pdf	0.22

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

Document name	Document format	Document size [MB]
1533_6507_3_1_COMPLETION_LOG	pdf	2.08
1533_6507_3_1_COMPLETION_LOG_T2	pdf	1.17
1533_6507_3_1_COMPLETION_REPORT	pdf	33.21

Drill stem tests (DST)

Test number	From depth MD [m]	To depth MD [m]	Choke size [mm]
1.0	3783	3798	0.0
2.0	3690	3724	0.0
3.0	3611	3636	0.0

3.1	3611	3636	25.4

Test number	Final shut-in pressure [MPa]	Final flow pressure [MPa]	Bottom hole pressure [MPa]	Downhole temperature [°C]
1.0				
2.0				
3.0				
3.1		15.000		136

Test number	Oil [Sm3/day]	Gas [Sm3/day]	Oil density [g/cm3]	Gas grav. rel.air	GOR [m3/m3]
1.0					
2.0					
3.0					
3.1	290	905000	0.800	0.710	3121

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL GR	1327	3955
CBL VDL GR CCL	3550	3852
CET GR CCL	390	3009
CST GR	905	1825
CST GR	1863	2989
CST GR	2995	3175
CST GR	3022	3139
CST GR	3953	4510
DIL LSS CAL GR SP	3172	3962
DIL LSS GR SP	881	3854
DIL LSS GR SP	3953	4506
DIL LSS SP LDL CNL GR TLC	4420	4450
DLL MSFL GR SP	3550	3852
LDL CAL GR	881	1837
LDL CNL GR	3172	3848
LDL CNL GR CAL	3953	4506
LDL CNL NGS	1848	3182
MFC GR CCL	390	470
MWD - GR RES DIR	460	4080

RFT HP GR	2939	2946
RFT HP GR	3609	3835
RFT HP GR	3624	3624
SHDT GR	1848	4506
VSP	500	4500

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	453.0	36	455.0	0.00	LOT
INTERM.	20	881.0	25	885.0	1.43	LOT
INTERM.	13 3/8	1846.0	17 1/2	1850.0	1.78	LOT
INTERM.	9 5/8	3168.0	12 1/4	3171.0	1.94	LOT
LINER	7	3953.0	8 1/2	4080.0	2.05	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
903	1.15	17.0	5.0	WATER BASED	21.05.1990
1353	1.15	15.0	4.5	WATER BASED	21.05.1990
1740	1.25	15.0	5.0	WATER BASED	22.05.1990
1860	1.37	18.0	6.0	WATER BASED	23.05.1990
1860	1.37	19.0	6.0	WATER BASED	25.05.1990
1860	1.45	18.0	6.0	WATER BASED	28.05.1990
1860	1.37	16.0	5.0	WATER BASED	22.05.1990
1982	1.55	19.0	5.5	WATER BASED	28.05.1990
2050	1.55	21.0	9.0	WATER BASED	28.05.1990
2050	1.65	21.0	8.0	WATER BASED	28.05.1990
2050	1.65	20.0	8.0	WATER BASED	29.05.1990
2050	1.55	20.0	7.5	WATER BASED	31.05.1990
2050	1.65	21.0	9.5	WATER BASED	01.06.1990
2050	1.65	21.0	8.0	WATER BASED	01.06.1990
2050	1.65	20.0	8.5	WATER BASED	07.06.1990
2050	1.65	19.0	8.0	WATER BASED	07.06.1990
2050	1.65	19.0	7.5	WATER BASED	08.06.1990
2050	1.65			DUMMY	12.06.1990
2050	1.65	20.0	8.0	WATER BASED	12.06.1990

2050	1.65	20.0	8.5	WATER BASED	12.06.1990
2050	1.65	21.0	8.0	WATER BASED	05.06.1990
2050	1.65	21.0	7.5	WATER BASED	05.06.1990
2050	1.65	20.0	8.5	WATER BASED	05.06.1990
2050	1.65	20.0	8.5	WATER BASED	05.06.1990
2183	1.65	20.0	8.5	WATER BASED	12.06.1990
2353	1.55	21.0	9.0	WATER BASED	28.05.1990
2473	1.65	21.0	8.0	WATER BASED	28.05.1990
2567	1.65	20.0	8.0	WATER BASED	29.05.1990
2670	1.65	20.0	7.5	WATER BASED	31.05.1990
2741	1.65	21.0	9.5	WATER BASED	01.06.1990
2861	1.65	21.0	8.0	WATER BASED	01.06.1990
2956	1.65	21.0	8.0	WATER BASED	05.06.1990
3039	1.65	21.0	7.5	WATER BASED	05.06.1990
3065	1.65	20.0	8.5	WATER BASED	05.06.1990
3114	1.65	20.0	8.5	WATER BASED	05.06.1990
3168	1.30	17.0	6.0	WATER BASED	18.06.1990
3168	1.30	18.0	6.0	WATER BASED	20.06.1990
3168	1.30	18.0	5.5	WATER BASED	19.06.1990
3168	1.30	19.0	5.5	WATER BASED	20.06.1990
3182	1.65	20.0	8.5	WATER BASED	07.06.1990
3183	1.65	20.0	8.0	WATER BASED	12.06.1990
3183	1.65	20.0	8.0	WATER BASED	12.06.1990
3183	1.65	21.0	7.5	WATER BASED	13.06.1990
3183	1.65			DUMMY	12.06.1990
3183	1.65	19.0	7.5	WATER BASED	08.06.1990
3183	1.65	19.0	8.0	WATER BASED	07.06.1990
3192	1.30	21.0	12.0	WATER BASED	18.06.1990
3202	1.30	22.0	8.0	WATER BASED	18.06.1990
3204	1.52	30.0	5.5	WATER BASED	23.07.1990
3204	1.52	28.0	6.0	WATER BASED	23.07.1990
3204	1.52	30.0	8.5	WATER BASED	24.07.1990
3270	1.30	16.0	5.5	WATER BASED	18.06.1990
3307	1.52	28.0	6.0	WATER BASED	23.07.1990
3342	1.30	17.0	6.0	WATER BASED	18.06.1990
3418	1.30	18.0	5.5	WATER BASED	19.06.1990
3509	1.30	18.0	6.0	WATER BASED	20.06.1990
3516	1.52	30.0	8.5	WATER BASED	24.07.1990
3519	1.30	19.0	5.5	WATER BASED	20.06.1990
3606	1.52	33.0	7.0	WATER BASED	26.07.1990

3606	1.52	30.0	4.5	WATER BASED	26.07.1990
3606	1.52	31.0	5.5	WATER BASED	30.07.1990
3606	1.52	35.0	4.0	WATER BASED	30.07.1990
3606	1.52	34.0	4.0	WATER BASED	30.07.1990
3606	1.52	30.0	4.0	WATER BASED	01.08.1990
3606	1.52	28.0	4.5	WATER BASED	02.08.1990
3606	1.52	28.0	4.0	WATER BASED	03.08.1990
3606	1.52	17.0	3.5	WATER BASED	06.08.1990
3606	1.52	22.0	3.5	WATER BASED	06.08.1990
3606	1.52	31.0	4.5	WATER BASED	30.07.1990
3607	1.52	15.0	5.0	WATER BASED	11.07.1990
3607	1.47	17.0	4.5	WATER BASED	26.06.1990
3607	1.52	16.0	6.0	WATER BASED	04.07.1990
3607	1.52	17.0	6.0	WATER BASED	04.07.1990
3607	1.52	14.0	4.5	WATER BASED	17.07.1990
3607	1.52	14.0	6.0	WATER BASED	16.07.1990
3607	1.52	13.0	4.5	WATER BASED	16.07.1990
3607	1.52	13.0	5.0	WATER BASED	16.07.1990
3607	1.52	16.0	5.0	WATER BASED	16.07.1990
3607	1.47	24.0	7.5	WATER BASED	26.06.1990
3607	1.47	15.0	4.5	WATER BASED	26.06.1990
3607	1.47	16.0	5.5	WATER BASED	26.06.1990
3607	1.47	16.0	5.5	WATER BASED	27.06.1990
3607	1.47	17.0	6.5	WATER BASED	28.06.1990
3607	1.52	16.0	6.5	WATER BASED	04.07.1990
3607	1.52	15.0	5.5	WATER BASED	04.07.1990
3607	1.52	15.0	5.5	WATER BASED	09.07.1990
3607	1.52	16.0	7.0	WATER BASED	09.07.1990
3607	1.52	16.0	6.0	WATER BASED	09.07.1990
3607	1.52	14.0	4.0	WATER BASED	09.07.1990
3607	1.52	13.0	6.0	WATER BASED	09.07.1990
3607	1.52	12.0	4.0	WATER BASED	10.07.1990
3607	1.52	13.0	4.0	WATER BASED	04.07.1990
3607	1.52	15.0	7.0	WATER BASED	12.07.1990
3607	1.47	15.0	4.0	WATER BASED	02.07.1990
3609	1.41	19.0	7.5	WATER BASED	21.06.1990
3611	1.42	20.0	9.0	WATER BASED	12.10.1990
3611	1.42	21.0	8.5	WATER BASED	15.10.1990
3611	1.42	21.0	8.5	WATER BASED	15.10.1990
3611	1.42	21.0	9.0	WATER BASED	15.10.1990

3611	1.80	18.0	5.0	WATER BASED	16.10.1990
3611	1.90	27.0	10.5	WATER BASED	18.10.1990
3611	1.90	24.0	8.0	WATER BASED	22.10.1990
3611	1.65	24.0	65.0	WATER BASED	22.10.1990
3611	1.65	18.0	3.0	WATER BASED	22.10.1990
3611	1.65	17.0	3.0	WATER BASED	22.10.1990
3611	1.65	17.0	3.5	WATER BASED	25.10.1990
3611	1.90	31.0	11.0	WATER BASED	18.10.1990
3611	1.65	17.0	6.0	WATER BASED	26.10.1990
3612	1.44	23.0	8.0	WATER BASED	25.06.1990
3658	1.47	24.0	7.5	WATER BASED	26.06.1990
3671	1.52	33.0	7.0	WATER BASED	26.07.1990
3690	1.42	14.0	8.0	WATER BASED	03.10.1990
3690	1.42	19.0	8.0	WATER BASED	08.10.1990
3690	1.42	17.0	9.0	WATER BASED	02.10.1990
3690	1.42	14.0	8.0	WATER BASED	04.10.1990
3690	1.42	17.0	8.0	WATER BASED	08.10.1990
3690	1.42	22.0	10.5	WATER BASED	08.10.1990
3690	1.42	21.0	10.5	WATER BASED	10.10.1990
3690	1.42	21.0	9.0	WATER BASED	11.10.1990
3690	1.42	21.0	9.0	WATER BASED	11.10.1990
3698	1.52	30.0	4.5	WATER BASED	26.07.1990
3712	1.47	17.0	4.5	WATER BASED	26.06.1990
3730	1.52	31.0	5.5	WATER BASED	30.07.1990
3743	1.40	14.0	8.0	WATER BASED	01.10.1990
3743	1.42	14.0	7.5	WATER BASED	01.10.1990
3743	1.42	17.0	8.5	WATER BASED	01.10.1990
3768	1.47	15.0	4.5	WATER BASED	26.06.1990
3783	1.42	14.0	7.5	WATER BASED	28.09.1990
3797	1.47	16.0	5.5	WATER BASED	26.06.1990
3840	1.47	16.0	5.5	WATER BASED	27.06.1990
3853	0.00	13.0	4.0	WATER BASED	04.07.1990
3853	0.00	16.0	6.5	WATER BASED	04.07.1990
3853	0.00	17.0	6.0	WATER BASED	04.07.1990
3853	0.00	17.0	6.5	WATER BASED	28.06.1990
3853	0.00	16.0	6.0	WATER BASED	04.07.1990
3853	1.47	15.0	4.0	WATER BASED	02.07.1990
3853	0.00	15.0	5.5	WATER BASED	04.07.1990
3878	1.52	35.0	4.0	WATER BASED	30.07.1990
3907	1.52	34.0	4.0	WATER BASED	30.07.1990

3918	0.00	15.0	5.5	WATER BASED	09.07.1990
3937	0.00	16.0	7.0	WATER BASED	09.07.1990
3953	1.40	13.0	4.5	WATER BASED	24.09.1990
3953	1.34	14.0	6.0	WATER BASED	04.09.1990
3953	1.34	15.0	6.5	WATER BASED	04.09.1990
3953	1.34	13.0	7.0	WATER BASED	04.09.1990
3953	1.40	16.0	6.0	WATER BASED	05.09.1990
3953	1.40	15.0	6.0	WATER BASED	06.09.1990
3953	1.40	15.0	7.5	WATER BASED	10.09.1990
3953	1.40	14.0	7.0	WATER BASED	10.09.1990
3953	1.40	14.0	8.5	WATER BASED	11.09.1990
3953	1.40	12.0	5.5	WATER BASED	13.09.1990
3953	1.40	14.0	8.5	WATER BASED	14.09.1990
3953	1.40	13.0	5.0	WATER BASED	17.09.1990
3953	1.40	14.0	7.5	WATER BASED	17.09.1990
3953	1.40	14.0	8.0	WATER BASED	17.09.1990
3953	1.40	14.0	8.0	WATER BASED	18.09.1990
3953	1.40	14.0	8.5	WATER BASED	20.09.1990
3953	1.40	14.0	7.5	WATER BASED	20.09.1990
3953	1.40	14.0	7.0	WATER BASED	21.09.1990
3953	1.40	13.0	4.5	WATER BASED	24.09.1990
3953	1.40	13.0	4.5	WATER BASED	24.09.1990
3953	1.40	13.0	4.5	WATER BASED	25.09.1990
3953	1.40	13.0	6.5	WATER BASED	26.09.1990
3953	1.40	15.0	5.0	WATER BASED	10.09.1990
3953	1.34	24.0	4.0	WATER BASED	10.08.1990
3953	1.34	26.0	8.5	WATER BASED	21.08.1990
3953	1.34	22.0	6.0	WATER BASED	21.08.1990
3953	1.34	14.0	6.0	WATER BASED	30.08.1990
3953	1.34	27.0	4.5	WATER BASED	09.08.1990
3953	1.34	26.0	4.0	WATER BASED	10.08.1990
3953	1.34	25.0	5.5	WATER BASED	13.08.1990
3953	1.34	25.0	5.0	WATER BASED	13.08.1990
3953	1.34	26.0	5.5	WATER BASED	14.08.1990
3953	1.34	25.0	6.5	WATER BASED	14.08.1990
3953	1.34	14.0	3.5	WATER BASED	15.08.1990
3953	1.34	26.0	5.5	WATER BASED	17.08.1990
3953	1.34	24.0	5.0	WATER BASED	17.08.1990
3953	1.34	22.0	6.0	WATER BASED	21.08.1990
3953	1.34	20.0	6.5	WATER BASED	21.08.1990

3953	1.34	21.0	8.0	WATER BASED	23.08.1990
3953	1.34	18.0	7.0	WATER BASED	23.08.1990
3953	1.34	18.0	7.0	WATER BASED	27.08.1990
3953	1.34	15.0	7.5	WATER BASED	27.08.1990
3953	1.34	17.0	8.0	WATER BASED	27.08.1990
3953	1.34	17.0	6.5	WATER BASED	28.08.1990
3953	1.34	16.0	6.5	WATER BASED	29.08.1990
3953	1.34	16.0	7.0	WATER BASED	31.08.1990
3953	1.34	15.0	7.0	WATER BASED	04.09.1990
3975	1.52	28.0	4.5	WATER BASED	02.08.1990
3975	1.52	30.0	4.0	WATER BASED	01.08.1990
3975	1.52	31.0	4.5	WATER BASED	30.07.1990
3975	1.52	22.0	3.5	WATER BASED	06.08.1990
3975	1.52	28.0	4.0	WATER BASED	03.08.1990
3975	1.52	17.0	3.5	WATER BASED	06.08.1990
3994	0.00	16.0	6.0	WATER BASED	09.07.1990
4022	0.00	14.0	4.0	WATER BASED	09.07.1990
4058	0.00	13.0	6.0	WATER BASED	09.07.1990
4080	0.00	12.0	4.0	WATER BASED	10.07.1990
4080	0.00	15.0	7.0	WATER BASED	12.07.1990
4080	0.00	15.0	5.0	WATER BASED	11.07.1990
4080	1.52	14.0	4.5	WATER BASED	17.07.1990
4080	1.52	16.0	5.0	WATER BASED	16.07.1990
4080	1.52	13.0	5.0	WATER BASED	16.07.1990
4080	1.52	13.0	4.5	WATER BASED	16.07.1990
4080	1.52	14.0	6.0	WATER BASED	16.07.1990
4136	1.34	27.0	4.5	WATER BASED	09.08.1990
4190	1.34	26.0	4.0	WATER BASED	10.08.1990
4217	1.34	24.0	4.0	WATER BASED	10.08.1990
4242	1.34	25.0	5.5	WATER BASED	13.08.1990
4303	1.34	25.0	5.0	WATER BASED	13.08.1990
4331	1.34	26.0	5.5	WATER BASED	14.08.1990
4354	1.34	25.0	6.5	WATER BASED	14.08.1990
4379	1.34	14.0	3.5	WATER BASED	15.08.1990
4403	1.34	26.0	5.5	WATER BASED	17.08.1990
4453	1.34	24.0	5.0	WATER BASED	17.08.1990
4473	1.34	26.0	8.5	WATER BASED	21.08.1990
4503	1.34	22.0	6.0	WATER BASED	21.08.1990
4521	1.34	22.0	6.0	WATER BASED	21.08.1990
4566	1.34	20.0	6.5	WATER BASED	21.08.1990

4593	1.34	21.0	8.0	WATER BASED	23.08.1990
4618	1.34	18.0	7.0	WATER BASED	23.08.1990
4680	1.34	18.0	7.0	WATER BASED	27.08.1990
4688	1.34	15.0	7.5	WATER BASED	27.08.1990
4706	1.34	17.0	8.0	WATER BASED	27.08.1990
4712	1.34	17.0	6.5	WATER BASED	28.08.1990
4725	1.34	16.0	6.5	WATER BASED	29.08.1990
4757	1.34	14.0	6.0	WATER BASED	30.08.1990
4757	1.34	15.0	7.0	WATER BASED	04.09.1990
4757	1.34	16.0	7.0	WATER BASED	31.08.1990
4757	1.34	14.0	6.0	WATER BASED	04.09.1990
4757	1.40	16.0	6.0	WATER BASED	05.09.1990
4757	1.40	15.0	6.0	WATER BASED	06.09.1990
4757	1.40	13.0	5.0	WATER BASED	17.09.1990
4757	1.40	14.0	7.5	WATER BASED	20.09.1990
4757	1.40	13.0	4.5	WATER BASED	24.09.1990
4757	1.40	13.0	4.5	WATER BASED	25.09.1990
4757	1.40	13.0	4.5	WATER BASED	24.09.1990
4757	1.40	13.0	6.5	WATER BASED	26.09.1990
4757	1.40	13.0	4.5	WATER BASED	24.09.1990
4757	1.40	14.0	7.0	WATER BASED	21.09.1990
4757	1.40	14.0	8.5	WATER BASED	20.09.1990
4757	1.40	14.0	8.0	WATER BASED	18.09.1990
4757	1.40	14.0	7.5	WATER BASED	17.09.1990
4757	1.40	14.0	8.0	WATER BASED	17.09.1990
4757	1.40	14.0	8.5	WATER BASED	14.09.1990
4757	1.40	12.0	5.5	WATER BASED	13.09.1990
4757	1.40	14.0	8.5	WATER BASED	11.09.1990
4757	1.40	14.0	7.0	WATER BASED	10.09.1990
4757	1.40	15.0	7.5	WATER BASED	10.09.1990
4757	1.40	15.0	5.0	WATER BASED	10.09.1990
4757	1.34	13.0	7.0	WATER BASED	04.09.1990
4757	1.34	15.0	6.5	WATER BASED	04.09.1990

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]
1533_Formation_pressure_(Formasjonstrykk)	pdf	0.22