



General information

Wellbore name	35/10-3
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	35/10-3
Seismic location	ST 9303- INLINE 536 & CROSSLINE 2436
Production licence	173
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	950-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	22
Entered date	23.06.1999
Completed date	14.07.1999
Release date	14.07.2001
Publication date	18.12.2002
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	24.0
Water depth [m]	363.0
Total depth (MD) [m RKB]	2250.0
Final vertical depth (TVD) [m RKB]	2247.0
Maximum inclination [°]	4.4
Bottom hole temperature [°C]	65
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	JORSALFARE FM
Geodetic datum	ED50
NS degrees	61° 2' 47.96" N
EW degrees	3° 7' 40.22" E
NS UTM [m]	6768151.37
EW UTM [m]	506904.47
UTM zone	31
NPDID wellbore	3719



Wellbore history

General

Production License 173, block 35/10, is located north-northwest of the Troll, approximately 80 km off-shore Western Norway. Well 35/10-3 is the third well drilled within the PL 173 licence area. The objective of the well was to test the hydrocarbon potential of Paleocene deep marine sandstones (Hermod Formation) of the Sele Formation in the southern part of block 35/10, known as the the Graben Fill prospect. The reservoir was expected to consist of two deep marine fans, stacked on each other.

Operations and results

Wildcat well 35/10-3 was spudded 23 June 1999 with the semi-submersible installation "Transocean Arctic". First attempt to spud failed due to boulders at 427 m. The installation was moved 20 m and after a successful second spud it was drilled to a total depth of 2250 m in the Late Cretaceous Jorsalfare Formation. The well was drilled with bentonite/PAC down to 655 m and KCl polymer mud (Ultidril) from 655 m to TD. No shallow gas was encountered. A class 2 warning (over-pressured shallow gas) was given for a sand layer prognosed at 675 m. The Hermod Formation was penetrated at 1948 m and consisted of 35 m sandstone, as prognosed. The sandstone was water filled. Weak direct fluorescence and a few grams with cut fluorescence and increase in heavy components in the background gas was described. The prognosed lower fan proved to consist of claystone. No conventional cores were cut and no fluid samples were taken.

The well was permanently plugged and abandoned as a dry well on 14 July 1999.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
660.00	2250.00

Cuttings available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
660.0	[m]	DC	RRI
700.0	[m]	DC	RRI
720.0	[m]	DC	RRI
740.0	[m]	DC	RRI
760.0	[m]	DC	RRI
820.0	[m]	DC	RRI



840.0 [m]	DC	RRI
860.0 [m]	DC	RRI
880.0 [m]	DC	RRI
900.0 [m]	DC	RRI
920.0 [m]	DC	RRI
940.0 [m]	DC	RRI
960.0 [m]	DC	RRI
980.0 [m]	DC	RRI
1000.0 [m]	DC	RRI
1020.0 [m]	DC	RRI
1040.0 [m]	DC	RRI
1060.0 [m]	DC	RRI
1080.0 [m]	DC	RRI
1100.0 [m]	DC	RRI
1120.0 [m]	DC	RRI
1140.0 [m]	DC	RRI
1160.0 [m]	DC	RRI
1180.0 [m]	DC	RRI
1200.0 [m]	DC	RRI
1220.0 [m]	DC	RRI
1240.0 [m]	DC	RRI
1260.0 [m]	DC	RRI
1280.0 [m]	DC	RRI
1300.0 [m]	DC	RRI
1320.0 [m]	DC	RRI
1340.0 [m]	DC	RRI
1360.0 [m]	DC	RRI
1380.0 [m]	DC	RRI
1400.0 [m]	DC	RRI
1420.0 [m]	DC	RRI
1440.0 [m]	DC	RRI
1460.0 [m]	DC	RRI
1480.0 [m]	DC	RRI
1500.0 [m]	DC	RRI
1520.0 [m]	DC	RRI
1540.0 [m]	DC	RRI
1560.0 [m]	DC	RRI
1580.0 [m]	DC	RRI
1600.0 [m]	DC	RRI
1620.0 [m]	DC	RRI



1640.0 [m]	DC	RRI
1660.0 [m]	DC	RRI
1680.0 [m]	DC	RRI
1700.0 [m]	DC	RRI
1720.0 [m]	DC	RRI
1740.0 [m]	DC	RRI
1760.0 [m]	DC	RRI
1780.0 [m]	DC	RRI
1800.0 [m]	DC	RRI
1821.0 [m]	DC	RRI
1842.0 [m]	DC	RRI
1860.0 [m]	DC	RRI
1866.0 [m]	DC	RRI
1872.0 [m]	DC	RRI
1878.0 [m]	DC	RRI
1884.0 [m]	DC	RRI
1890.0 [m]	DC	RRI
1893.0 [m]	DC	RRI
1896.0 [m]	DC	RRI
1899.0 [m]	DC	RRI
1902.0 [m]	DC	RRI
1905.0 [m]	DC	RRI
1908.0 [m]	DC	RRI
1911.0 [m]	DC	RRI
1914.0 [m]	DC	RRI
1917.0 [m]	DC	RRI
1929.0 [m]	DC	RRI
1935.0 [m]	DC	RRI
1938.0 [m]	DC	RRI
1941.0 [m]	DC	RRI
1944.0 [m]	DC	RRI
1947.0 [m]	DC	RRI
1950.0 [m]	DC	RRI
1953.0 [m]	DC	RRI
1956.0 [m]	DC	RRI
1959.0 [m]	DC	RRI
1962.0 [m]	DC	RRI
1965.0 [m]	DC	RRI
1968.0 [m]	DC	RRI
1971.0 [m]	DC	RRI



1974.0	[m]	DC	RRI
1977.0	[m]	DC	RRI
1980.0	[m]	DC	RRI
1983.0	[m]	DC	RRI
1986.0	[m]	DC	RRI
1989.0	[m]	DC	RRI
1992.0	[m]	DC	RRI
1995.0	[m]	DC	RRI
1998.0	[m]	DC	RRI
2001.0	[m]	DC	RRI
2004.0	[m]	DC	RRI
2007.0	[m]	DC	RRI
2010.0	[m]	DC	RRI
2013.0	[m]	DC	RRI
2016.0	[m]	DC	RRI
2019.0	[m]	DC	RRI
2022.0	[m]	DC	RRI
2025.0	[m]	DC	RRI
2035.0	[m]	DC	RRI
2045.0	[m]	DC	RRI
2055.0	[m]	DC	RRI
2065.0	[m]	DC	RRI
2075.0	[m]	DC	RRI
2085.0	[m]	DC	RRI
2095.0	[m]	DC	RRI
2105.0	[m]	DC	RRI
2115.0	[m]	DC	RRI
2125.0	[m]	DC	RRI
2132.0	[m]	DC	RRI
2135.0	[m]	DC	RRI
2138.0	[m]	DC	RRI
2141.0	[m]	DC	RRI
2145.0	[m]	DC	RRI
2150.0	[m]	DC	RRI
2153.0	[m]	DC	RRI
2160.0	[m]	DC	RRI
2170.0	[m]	DC	RRI
2180.0	[m]	DC	RRI
2190.0	[m]	DC	RRI
2195.0	[m]	DC	RRI



2200.0	[m]	DC	RRI
2205.0	[m]	DC	RRI
2210.0	[m]	DC	RRI
2215.0	[m]	DC	RRI
2220.0	[m]	DC	RRI
2230.0	[m]	DC	RRI
2235.0	[m]	DC	RRI
2240.0	[m]	DC	RRI
2245.0	[m]	DC	RRI
2250.0	[m]	DC	RRI

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
387	NORDLAND GP
922	UTSIRA FM
937	HORDALAND GP
1247	GRID FM
1269	NO FORMAL NAME
1881	ROGALAND GP
1881	BALDER FM
1948	HERMOD FM
1984	SELE FM
2030	LISTA FM
2193	VÅLE FM
2199	SHETLAND GP
2199	JORSALFARE FM

Composite logs

Document name	Document format	Document size [MB]
3719	pdf	0.16

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





Document name	Document format	Document size [MB]
3719 35 10 3 COMPLETION LOG	.pdf	1.60
3719 35 10 3 COMPLETION REPORT	.pdf	34.35

Logs

Log type	Log top depth [m]	Log bottom depth [m]
FMT GR	1950	1983
HDIL MAC ZDL CND DSL TTRM	1807	2248
MWD - MPR	1807	2250
MWD - MPR-L	468	1818
VSP GR	1195	2170

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	459.0	36	460.0	0.00	LOT
INTERM.	20	645.0	26	645.0	1.27	LOT
INTERM.	13 3/8	1807.0	17 1/2	1807.0	1.66	LOT
OPEN HOLE		2250.0	12 1/4	2250.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
655	1.03			BENTONITE/FW	
1256	1.21	17.0		KCL/GLYCOL/PAC	
1494	1.21			DUMMY	
1645	1.25	21.0		KCL/GLYCOL/PAC	
1818	1.30	22.0		KCL/GLYCOL/PAC	
1940	1.37	31.0		KCL/GLYCOL/PAC	
1950	1.37	31.0		KCL/GLYCOL/PAC	
1950	1.37	31.0		KCL/GLYCOL/PAC	
2250	1.37	31.0		KCL/GLYCOL/PAC	

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]
3719 Formation pressure (Formasjonstrykk)	pdf	0.22

