

**General information**

Wellbore name	6507/8-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6507/8-2
Seismic location	CN 8502 - 608 SP. 505
Production licence	124
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	557-L
Drilling facility	DYVI DELTA
Drilling days	26
Entered date	15.08.1987
Completed date	09.09.1987
Release date	09.09.1989
Publication date	08.03.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	29.0
Water depth [m]	346.0
Total depth (MD) [m RKB]	2690.0
Final vertical depth (TVD) [m RKB]	2690.0
Maximum inclination [°]	1.9
Bottom hole temperature [°C]	76
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	65° 20' 18.11" N
EW degrees	7° 26' 15.04" E
NS UTM [m]	7247248.94
EW UTM [m]	427253.72
UTM zone	32
NPDID wellbore	1076



Wellbore history

General

Well 6507/8-2 was the second well to be drilled in the block and is located in the Grinda Graben East of the Heidrun Field. The well was designed to drill and test the hydrocarbon potential of a clearly defined structure called the Theta structure. Secondary objectives were to verify the geological model and structural interpretation of the area, and to improve the paleontological, geological and geochemical understanding of the area. TD was planned 50 m into Triassic rocks.

Operations and results

Wildcat well 6507/8-2 was spudded with Dyvi offshore semi-submersible rig Dyvi Delta on 15 August 1987 and drilled to TD at 2690 m in Late Triassic rocks of the Åre Formation. The well was drilled with seawater and viscous pills down to 521 m, with KCl/Polymer mud from 521 m to TD.

The whole of Cretaceous as well as the Late and Middle Jurassic were missing in the well. Early Jurassic shale/siltstone (Ror Formation) was encountered at 1890 m and the Early Jurassic Tilje Formation sandstones was encountered at 1945 m. Three cores were cut. The first was cut in the interval 1894 m to 1915 m in the Ror Formation while the next two recovered 9.5 m from the Tilje Formation. From cores, cuttings and logs the well was found to be dry all through. The well was plugged and abandoned on 9 September 1987 as a dry well.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
530.00	2690.00

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	1894.0	1913.9	[m]
3	1990.5	1996.0	[m]

Total core sample length [m]	25.4
Cores available for sampling?	YES



Core photos



1894-1899m



1899-1904m



1904-1909m



1909-1913m



1990-1995m



1995-1996m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1740.0	[m]	DC	PALEO
1750.0	[m]	DC	PALEO
1770.0	[m]	DC	PALEO
1780.0	[m]	DC	PALEO
1800.0	[m]	DC	PALEO
1818.0	[m]	DC	PALEO
1830.0	[m]	DC	PALEO
1836.0	[m]	DC	PETROSTR
1842.0	[m]	DC	PETROS
1842.0	[m]	DC	PALEO
1848.0	[m]	DC	PETROS
1854.0	[m]	DC	PETROS
1860.0	[m]	DC	PALEO
1866.0	[m]	DC	PETROSTR
1872.0	[m]	DC	PETROS
1875.0	[m]	DC	PALEO
1887.0	[m]	DC	PALEO
1887.0	[m]	DC	PETROSTR
1888.5	[m]	SWC	PALEO
1890.0	[m]	DC	PALEO
1890.0	[m]	DC	PETROSTR



1893.0	[m]	DC	PALEO
1894.7	[m]	C	PALEO
1895.2	[m]	C	PALEO
1896.0	[m]	SWC	PALEO
1905.0	[m]	DC	PALEO
1913.9	[m]	C	PALEO
1920.0	[m]	DC	PALEO
1935.0	[m]	DC	PALEO
1950.0	[m]	SWC	PALEO
1952.0	[m]	SWC	PALEO
1968.0	[m]	DC	PALEO
1983.0	[m]	DC	PALEO
1996.3	[m]	C	PALEO
1998.0	[m]	DC	PALEO
2015.0	[m]	SWC	PALEO
2018.0	[m]	SWC	PALEO
2028.0	[m]	DC	PALEO
2040.0	[m]	DC	PALEO
2058.0	[m]	DC	PALEO
2070.0	[m]	DC	PALEO
2088.0	[m]	DC	PALEO
2100.0	[m]	DC	PALEO
2123.0	[m]	DC	PALEO
2130.0	[m]	DC	PALEO
2148.0	[m]	DC	PALEO
2160.0	[m]	DC	PALEO
2178.0	[m]	DC	PALEO
2196.0	[m]	DC	PALEO
2211.0	[m]	DC	PALEO
2232.0	[m]	DC	PALEO
2247.0	[m]	DC	PALEO
2262.0	[m]	DC	PALEO
2277.0	[m]	DC	PALEO
2292.0	[m]	DC	PALEO
2307.0	[m]	DC	PALEO
2322.0	[m]	DC	PALEO
2337.0	[m]	DC	PALEO
2354.5	[m]	SWC	PALEO
2356.5	[m]	SWC	PALEO
2363.0	[m]	SWC	PALEO



2382.0 [m]	DC	PALEO
2397.0 [m]	DC	PALEO
2412.0 [m]	DC	PALEO
2427.0 [m]	DC	PALEO
2442.0 [m]	DC	PALEO
2457.0 [m]	DC	PALEO
2472.0 [m]	DC	PALEO
2487.0 [m]	DC	PALEO
2502.0 [m]	DC	PALEO
2517.0 [m]	DC	PALEO
2532.0 [m]	DC	PALEO
2547.0 [m]	DC	PALEO
2559.0 [m]	DC	PALEO
2577.0 [m]	DC	PALEO
2592.0 [m]	DC	PALEO
2607.0 [m]	DC	PALEO
2613.5 [m]	SWC	PALEO
2616.0 [m]	SWC	PALEO
2622.0 [m]	DC	PALEO
2637.0 [m]	DC	PALEO
2652.0 [m]	DC	PALEO
2667.0 [m]	DC	PALEO
2682.0 [m]	DC	PALEO

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
375	NORDLAND GP
375	NAUST FM
1423	KAI FM
1715	HORDALAND GP
1715	BRYGGE FM
1832	ROGALAND GP
1832	TARE FM
1865	TANG FM
1890	BÅT GP
1890	ROR FM
1945	TILJE FM
2123	ÅRE FM



Composite logs

Document name	Document format	Document size [MB]
1076	pdf	0.42

Geochemical information

Document name	Document format	Document size [MB]
1076_1	pdf	0.89

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

Document name	Document format	Document size [MB]
1076_01_WDSS_General_Information	pdf	0.36
1076_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]
1076_6507_8_2_COMPLETION_REPORT_AND_LOG	pdf	14.01

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL GR	570	1054
CBL VDL GR	766	1865
CDL CN GR	1865	2635
CDL GR	506	1060
CDL GR	1054	1880
DIFL ACL GR	506	1060
DIFL ACL GR	1054	1880





DIFL ACL GR	1865	2666
FMT	1895	2096
FMT	1898	2414
MWD - GR RES DIR	371	1881
MWD - GR RES DIR	2302	2690
RLL	1881	2302
SWC	1888	2616
VSP	520	2660

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	448.0	36	455.0	0.00	LOT
SURF.COND.	20	507.0	26	964.0	1.26	LOT
INTERM.	13 3/8	1055.0	17 1/2	1070.0	1.55	LOT
INTERM.	9 5/8	1866.0	12 1/4	1881.0	1.72	LOT
OPEN HOLE		2690.0	8 1/2	2690.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
455	1.05	1200.0		WATER BASED	18.08.1987
455	1.05	1200.0		WATER BASED	19.08.1987
521	1.08	4800.0	3.0	WATER BASED	21.08.1987
964	1.15	1500.0	4.2	WATER BASED	24.08.1987
1070	1.17	1300.0	3.8	WATER BASED	24.08.1987
1070	1.18	1200.0	3.4	WATER BASED	24.08.1987
1440	1.18	1300.0	4.2	WATER BASED	25.08.1987
1735	1.36	1700.0	5.0	WATER BASED	26.08.1987
1750	1.23	1300.0	3.4	WATER BASED	09.09.1987
1830	1.45	2500.0	4.0	WATER BASED	28.08.1987
1881	1.45	2000.0	3.4	WATER BASED	31.08.1987
1881	1.45	2800.0	5.0	WATER BASED	27.08.1987
1913	1.23	1200.0	3.4	WATER BASED	31.08.1987
1991	1.23	1600.0	3.8	WATER BASED	31.08.1987
2348	1.23	1600.0	4.2	WATER BASED	03.09.1987
2607	1.23	1500.0	3.4	WATER BASED	03.09.1987



2690	1.23	1700.0	3.4	WATER BASED	09.09.1987
2690	1.23	1700.0	3.4	WATER BASED	04.09.1987

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]
1076 Formation pressure (Formasjonstrykk)	pdf	0.28

