General information

Wellbore name	25/6-3
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	25/6-3
Seismic location	UHN 98- INLINE 4650 & X-LINE 3170
Production licence	245
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	966-L
Drilling facility	BYFORD DOLPHIN
Drilling days	22
Entered date	21.10.1999
Completed date	11.11.1999
Release date	11.11.2001
Publication date	18.12.2002
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	109.0
Total depth (MD) [m RKB]	2475.0
Final vertical depth (TVD) [m RKB]	2474.0
Maximum inclination [°]	2.5
Bottom hole temperature [°C]	91
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	HARDRÅDE FM
Geodetic datum	ED50
NS degrees	59° 42' 3.03'' N
EW degrees	2° 55' 26.04'' E
NS UTM [m]	6618251.92
EW UTM [m]	495716.84
UTM zone	31
NPDID wellbore	3885

Wellbore history

General

Block 25/6 is located east of the Heimdal Field, on the east flank of the Viking Graben. The distance to the Norwegian coast is 145 km. Well 25/6-3 was the third well drilled within block 25/6, and the first well in PL 245. (Block 25/6 was first licensed as PL 117 in 1985 with Saga as operator. Most of the area was relinquished in 1992). In the area there are several oil and gas discoveries, both in Jurassic and Tertiary formations. The objectives of the well were to prove commercial volumes of hydrocarbons in Paleocene reservoirs in the Hermod and Ty Formations, to test channel and low amplitude seismic facies, to test the Hermod reservoir in a position that could be tied back on seismic to the provenance area in the west, and to prove hydrocarbon migration routes.

Operations and results

Wildcat well 25/6-3 was spudded with the semi-submersible installation "Byford Dolphin" on 21 October 1999 and drilled to a total depth of 2475 m in the Late Cretaceous Hardråde Formation. The well was drilled with seawater and bentonite down to 1215 m and with silicate mud (Sildril) from 1215 m to TD. Both the predicted Hermod and Ty Formation reservoirs were encountered. Both reservoirs were of good quality, but without hydrocarbons. There were no indications of hydrocarbons from cuttings, sidewall cores, or wire line logs in any section of the well. Two cores were cut in the interval 2062 m to 2108 m. Recovery was 97 % and 100 %. One MDT water sample was recovered from 2085 m. The well was plugged and abandoned as a dry well 11 November 1999.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1220.00	2475.00

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	2062.0	2079.5	[m]
2	2080.0	2108.4	[m]

Total core sample length [m]	45.8
Cores available for sampling?	YES

Core photos


2062-2067m


2067-2072m


2072-2077m


2077-2082m


2082-2087m


2087-2092m


2092-2097m


2097-2102m


2102-2107m


2107-2108m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1220.0	[m]	DC	RRI
1230.0	[m]	DC	RRI
1240.0	[m]	DC	RRI
1250.0	[m]	DC	RRI
1260.0	[m]	DC	RRI
1270.0	[m]	DC	RRI
1280.0	[m]	DC	RRI
1290.0	[m]	DC	RRI
1300.0	[m]	DC	RRI
1310.0	[m]	DC	RRI
1320.0	[m]	DC	RRI
1330.0	[m]	DC	RRI
1340.0	[m]	DC	RRI
1350.0	[m]	DC	RRI
1360.0	[m]	DC	RRI
1370.0	[m]	DC	RRI
1380.0	[m]	DC	RRI
1390.0	[m]	DC	RRI
1400.0	[m]	DC	RRI
1410.0	[m]	DC	RRI
1420.0	[m]	DC	RRI

1430.0	[m]	DC	RRI
1440.0	[m]	DC	RRI
1450.0	[m]	DC	RRI
1460.0	[m]	DC	RRI
1470.0	[m]	DC	RRI
1480.0	[m]	DC	RRI
1490.0	[m]	DC	RRI
1500.0	[m]	DC	RRI
1510.0	[m]	DC	RRI
1520.0	[m]	DC	RRI
1530.0	[m]	DC	RRI
1540.0	[m]	DC	RRI
1550.0	[m]	DC	RRI
1560.0	[m]	DC	RRI
1570.0	[m]	DC	RRI
1580.0	[m]	DC	RRI
1600.0	[m]	DC	RRI
1610.0	[m]	DC	RRI
1620.0	[m]	DC	RRI
1630.0	[m]	DC	RRI
1640.0	[m]	DC	RRI
1650.0	[m]	DC	RRI
1660.0	[m]	DC	RRI
1670.0	[m]	DC	RRI
1690.0	[m]	DC	RRI
1700.0	[m]	DC	RRI
1710.0	[m]	DC	RRI
1720.0	[m]	DC	RRI
1730.0	[m]	DC	RRI
1740.0	[m]	DC	RRI
1750.0	[m]	DC	RRI
1760.0	[m]	DC	RRI
1780.0	[m]	DC	RRI
1790.0	[m]	DC	RRI
1800.0	[m]	DC	RRI
1810.0	[m]	DC	RRI
1820.0	[m]	DC	RRI
1830.0	[m]	DC	RRI
1840.0	[m]	DC	RRI
1850.0	[m]	DC	RRI

1860.0	[m]	DC	RRI
1870.0	[m]	DC	RRI
1880.0	[m]	DC	RRI
1890.0	[m]	DC	RRI
1900.0	[m]	DC	RRI
1905.0	[m]	DC	RRI
1911.0	[m]	DC	RRI
1917.0	[m]	DC	RRI
1923.0	[m]	DC	RRI
1929.0	[m]	DC	RRI
1935.0	[m]	DC	RRI
1941.0	[m]	DC	RRI
1947.0	[m]	DC	RRI
1953.0	[m]	DC	RRI
1959.0	[m]	DC	RRI
1968.0	[m]	DC	RRI
1974.0	[m]	DC	RRI
1980.0	[m]	DC	RRI
1986.0	[m]	DC	RRI
1992.0	[m]	DC	RRI
1998.0	[m]	DC	RRI
2004.0	[m]	DC	RRI
2010.0	[m]	DC	RRI
2016.0	[m]	DC	RRI
2022.0	[m]	DC	RRI
2028.0	[m]	DC	RRI
2034.0	[m]	DC	RRI
2040.0	[m]	DC	RRI
2046.0	[m]	DC	RRI
2052.0	[m]	DC	RRI
2058.0	[m]	DC	RRI
2062.1	[m]	C	PETROSTR
2064.0	[m]	DC	RRI
2064.7	[m]	C	PETROSTR
2067.0	[m]	C	PETROS
2070.0	[m]	DC	RRI
2071.9	[m]	C	PETROSTR
2074.4	[m]	C	PETROS
2076.0	[m]	DC	RRI
2077.6	[m]	C	PETROSTR

2080.9	[m]	C	PETROS
2084.3	[m]	C	PETROS
2087.5	[m]	C	PETROS
2109.0	[m]	DC	RRI
2115.0	[m]	DC	RRI
2121.0	[m]	DC	RRI
2127.0	[m]	DC	RRI
2135.0	[m]	DC	RRI
2139.0	[m]	DC	RRI
2145.0	[m]	DC	RRI
2151.0	[m]	DC	RRI
2157.0	[m]	DC	RRI
2163.0	[m]	DC	RRI
2169.0	[m]	DC	RRI
2175.0	[m]	DC	RRI
2181.0	[m]	DC	RRI
2187.0	[m]	DC	RRI
2193.0	[m]	DC	RRI
2205.0	[m]	DC	RRI
2211.0	[m]	DC	RRI
2217.0	[m]	DC	RRI
2223.0	[m]	DC	RRI
2229.0	[m]	DC	RRI
2235.0	[m]	DC	RRI
2241.0	[m]	DC	RRI
2247.0	[m]	DC	RRI
2253.0	[m]	DC	RRI
2259.0	[m]	DC	RRI
2265.0	[m]	DC	RRI
2271.0	[m]	DC	RRI
2277.0	[m]	DC	RRI
2283.0	[m]	DC	RRI
2289.0	[m]	DC	RRI
2295.0	[m]	DC	RRI
2301.0	[m]	DC	RRI
2307.0	[m]	DC	RRI
2313.0	[m]	DC	RRI
2319.0	[m]	DC	RRI
2328.0	[m]	DC	RRI
2334.0	[m]	DC	RRI

2340.0	[m]	DC	RRI
2346.0	[m]	DC	RRI
2352.0	[m]	DC	RRI
2358.0	[m]	DC	RRI
2364.0	[m]	DC	RRI
2373.0	[m]	DC	RRI
2379.0	[m]	DC	RRI
2385.0	[m]	DC	RRI
2391.0	[m]	DC	RRI
2397.0	[m]	DC	RRI
2403.0	[m]	DC	RRI
2409.0	[m]	DC	RRI
2415.0	[m]	DC	RRI
2421.0	[m]	DC	RRI
2427.0	[m]	DC	RRI
2433.0	[m]	DC	RRI
2439.0	[m]	DC	RRI
2445.0	[m]	DC	RRI
2451.0	[m]	DC	RRI
2460.0	[m]	DC	RRI
2466.0	[m]	DC	RRI
2472.0	[m]	DC	RRI

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
134	NORDLAND GP
652	UTSIRA FM
918	UNDIFFERENTIATED
925	HORDALAND GP
1018	SKADE FM
1050	UNDIFFERENTIATED
1163	NO FORMAL NAME
1185	UNDIFFERENTIATED
2020	ROGALAND GP
2020	BALDER FM
2067	SELE FM
2083	HERMOD FM
2155	SELE FM

2160	LISTA FM
2279	TY FM
2335	VÅLE FM
2419	SHETLAND GP
2419	EKOFISK FM
2443	HARDRÅDE FM

Composite logs

Document name	Document format	Document size [MB]
3885	pdf	0.38

Geochemical information

Document name	Document format	Document size [MB]
3885_1	pdf	1.11

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

Document name	Document format	Document size [MB]
3885_25_6_3_COMPLETION_LOG	.pdf	2.38
3885_25_6_3_COMPLETION_REPORT	.pdf	37.02

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CST	1798	2474
HALS PEX DSI	1206	2472
MDT GR	2086	2333
MWD - MPR LITE	195	1215
MWD - MPR LITE MDP	1277	2062
MWD - MPR LITE MDP ORD	1235	1277
MWD - MPR LITE MDP ORD	2108	2475
VSP	460	2460

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	192.0	36	195.0	0.00	LOT
INTERM.	13 3/8	1206.0	17 1/2	1206.0	1.74	LOT
OPEN HOLE		2475.0	8 1/2	2475.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
400	1.03			DUMMY	
833	1.03			BENTONITE/FW	
1215	1.25	38.0		CMC/BENTONITE	
1215	1.03			DUMMY	
1429	1.28	20.0		SILDRILL	
1750	1.28	14.0		SILDRILL	
1810	1.28	13.0		SILDRILL	
2080	1.28	13.0		SILDRILL	
2137	1.28	13.0		SILDRILL	
2475	1.28	13.0		SILDRILL	

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]
3885_Formation_pressure_(Formasjonstrykk)	pdf	0.22