



General information

Wellbore name	25/5-6
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	25/5-6
Seismic location	inline 1928 & crossline 909 T006RO6111
Production licence	363
Drilling operator	Lundin Norway AS
Drill permit	1263-L
Drilling facility	TRANSOCEAN WINNER
Drilling days	24
Entered date	27.08.2009
Completed date	19.09.2009
Release date	06.01.2011
Publication date	20.06.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	26.0
Water depth [m]	118.0
Total depth (MD) [m RKB]	2446.0
Final vertical depth (TVD) [m RKB]	2446.0
Maximum inclination [°]	1.1
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	HEIMDAL FM
Geodetic datum	ED50
NS degrees	59° 44' 18.85" N
EW degrees	2° 23' 52.81" E
NS UTM [m]	6622604.69
EW UTM [m]	466156.04
UTM zone	31
NPDID wellbore	6167



Wellbore history

General

Well 25/5-6 was drilled on the Heimdal Terrace, mid-way between the 25/2-5 Lille-Frøy discovery and the Frøy and Vale fields in the North Sea. The objective was to test the potential of the Mon Prospect with the Paleocene Hermod

Sandstones as the main reservoir formation and the informal "Odin Member" intra-Balder sandstone as a secondary target.

Operations and results

Wildcat well 25/5-6 was spudded with the semi-submersible installation Transocean Winner on 27 August 2009 and drilled to TD at 2446 m in the Late Paleocene Heimdal Formation. Significant lost circulation occurred in the 17 1/2" section from 331 to 1158 m. Dynamic losses were recorded throughout the section, but were controlled by spotting LCM pills and reducing mud weight. The well was drilled with seawater and bentonite sweeps down to 337 m, with Glydril mud from 337 m to 1158 m, and with EMS-234 WBM mud from 1158 m to TD.

The well encountered sandstones both in the primary objective Hermod Formation and in the secondary objective Odin Member. Both reservoirs proved to be water-bearing. The Hermod sandstones were slightly thicker than prognosed (gross thickness of 68.5 m) with excellent reservoir properties. The Odin sands comprised a gross thickness of 16 m with good reservoir properties. No oil shows were recorded in the well, and the gas levels were generally low and did not indicate any significant hydrocarbons.

No cores were cut. A zero-offset VSP log was the only wire line log run in the well. No fluid samples were taken.

The well was permanently abandoned on 19 September 2009 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]
340.00	2447.00

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

Sample depth	Depth unit	Sample type	Laboratory
2159.0	[m]	DC	PETROSTR
2168.0	[m]	DC	PETROS
2177.0	[m]	DC	PETROS



2186.0 [m]	DC	PETROS
2195.0 [m]	DC	PETROS
2204.0 [m]	DC	PETROS
2213.0 [m]	DC	PETROS
2222.0 [m]	DC	PETROS
2231.0 [m]	DC	PETROS
2240.0 [m]	DC	PETROS
2249.0 [m]	DC	PETROS
2258.0 [m]	DC	PETROS
2267.0 [m]	DC	PETROS
2276.0 [m]	DC	PETROS
2285.0 [m]	DC	PETROS
2294.0 [m]	DC	PETROS
2303.0 [m]	DC	PETROS
2315.0 [m]	DC	PETROS
2324.0 [m]	DC	PETROS
2333.0 [m]	DC	PETROS
2342.0 [m]	DC	PETROS
2351.0 [m]	DC	PETROS
2360.0 [m]	DC	PETROS
2369.0 [m]	DC	PETROS
2378.0 [m]	DC	PETROS
2387.0 [m]	DC	PETROS
2399.0 [m]	DC	PETROS
2411.0 [m]	DC	PETROS
2423.0 [m]	DC	PETROS
2435.0 [m]	DC	PETROS
2441.0 [m]	DC	PETROS
2447.0 [m]	DC	PETROS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
144	NORDLAND GP
505	UTSIRA FM
867	HORDALAND GP
867	SKADE FM
1032	NO FORMAL NAME
2165	ROGALAND GP



2165	BALDER FM
2230	SELE FM
2240	HERMOD FM
2309	SELE FM
2341	LISTA FM
2344	HEIMDAL FM
2376	LISTA FM
2405	HEIMDAL FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - GR RES DEN NEU SON PWD	1158	2446
MWD LWD - GR RES DIR PWD	337	1158
VSP-ZO	449	2415

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	221.0	36	223.0	0.00	LOT
SURF.COND.	20	331.0	26	337.0	0.00	LOT
INTERM.	13 3/8	1150.0	17 1/2	1158.0	1.68	LOT
OPEN HOLE		2446.0	8 1/2	2446.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
144	1.03			Water	
337	1.05			Water	
862	1.10			Water	
1161	1.35			Water	
1793	1.35			Water	
2446	1.39			Water	