

**General information**

Wellbore name	15/12-18 A
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Discovery	15/12-18 A
Well name	15/12-18
Seismic location	LGW 2004:inline 1166 & crossline 2860
Production licence	337
Drilling operator	Det norske oljeselskap ASA (old)
Drill permit	1151-L
Drilling facility	MÆRSK GIANT
Drilling days	34
Entered date	08.11.2007
Completed date	11.12.2007
Release date	11.12.2009
Publication date	11.12.2009
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	PALEOCENE
1st level with HC, formation	HEIMDAL FM
Kelly bushing elevation [m]	43.0
Water depth [m]	90.5
Total depth (MD) [m RKB]	3036.0
Final vertical depth (TVD) [m RKB]	2678.0
Maximum inclination [°]	42
Bottom hole temperature [°C]	86
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	TOR FM
Geodetic datum	ED50
NS degrees	58° 12' 53.07" N
EW degrees	1° 46' 40.43" E
NS UTM [m]	6453416.52
EW UTM [m]	428194.30



UTM zone	31
NPDID wellbore	5608

Wellbore history

General

Well 15/12-18 A is located between the Sleipner Øst and Varg fields in the North Sea. It was drilled to appraise the Paleocene oil discovery made in 15/12-18 S.

Operations and results

Well 15/12-18 A was kicked off from below the 13 3/8" casing shoe at 1170 m in well 15/12-18 S on 8 November 2007. Inclination was built to 41 degrees, which was achieved at 1733 m. Final TD was reached at 3036 m in the Late Cretaceous Tor Formation. The well was drilled with the jack-up installation Mærsk Giant. It was impossible to run wire line logs past the kick off area and therefore only LWD logs were obtained from 15/12-18 A. Otherwise no significant problem was encountered in the operations. The well was drilled with Enviromul oil based mud from kick-off to TD.

The well was drilled into Top Heimdal reservoir at 2884 m where hydrocarbons were encountered in two 2 m thick sands. The targeted Ty Formation was encountered 10 m thick at 2952 m (2613 m TVD). The sand was, however, found below the OWC established in 15/12-18 S and was water bearing. Apart from the Heimdal Formation reservoir shows were observed only on claystones in the interval 2600 - 2690 m.

No cores were cut and no wire line fluid samples were taken in this well bore.

The well was permanently abandoned on 11 December 2009 as a discovery well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1180.00	3036.00

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

Sample depth	Depth unit	Sample type	Laboratory
1950.0	[m]	DC	APT
2000.0	[m]	DC	APT



2460.0	[m]	DC	APT
2480.0	[m]	DC	APT
2510.0	[m]	DC	APT
2670.0	[m]	DC	APT
2680.0	[m]	DC	APT
2690.0	[m]	DC	APT
2695.0	[m]	DC	APT
2700.0	[m]	DC	APT
2710.0	[m]	DC	APT
2880.0	[m]	DC	APT
2890.0	[m]	DC	APT
2900.0	[m]	DC	APT
2910.0	[m]	DC	APT
2918.0	[m]	DC	APT
2927.0	[m]	DC	APT
2930.0	[m]	DC	APT
2939.0	[m]	DC	APT
2945.0	[m]	DC	APT
2951.0	[m]	DC	APT
2960.0	[m]	DC	APT
2966.0	[m]	DC	APT
2972.0	[m]	DC	APT
2975.0	[m]	DC	APT
2990.0	[m]	DC	APT
3005.0	[m]	DC	APT

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
134	NORDLAND GP
963	UTSIRA FM
1096	HORDALAND GP
2678	ROGALAND GP
2678	BALDER FM
2700	SELE FM
2788	LISTA FM
2884	HEIMDAL FM
2894	LISTA FM
2945	TY FM



2965	VÅLE FM
2974	SHETLAND GP
3000	TOR FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - GR EWR PWD ALD CTN DIR	1170	3036

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
OPEN HOLE		3036.0	8 1/2	3036.0	1.58	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
175	1.50			OIL BASED	
175	1.47			OIL BASED	
890	1.50			OIL BASED	