Generell informasjon

Brønnbane navn	15/12-18 A
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	15/12-18 A
Brønn navn	15/12-18
Seismisk lokalisering	LGW 2004:inline 1166 & crossline 2860
Utvinningstillatelse	337
Boreoperatør	Det norske oljeselskap ASA (old)
Boretillatelse	1151-L
Boreinnretning	MÆRSK GIANT
Boredager	34
Borestart	08.11.2007
Boreslutt	11.12.2007
Frigitt dato	11.12.2009
Publiseringsdato	11.12.2009
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	HEIMDAL FM
Avstand, boredekk - midlere havflate [m]	43.0
Vanndybde ved midlere havflate [m]	90.5
Totalt målt dybde (MD) [m RKB]	3036.0
Totalt vertikalt dybde (TVD) [m RKB]	2678.0
Maks inklinasjon [°]	42
Temperatur ved bunn av brønnbanen [°C]	86
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	TOR FM
Geodetisk datum	ED50
NS grader	58° 12' 53.07'' N

ØV grader	1° 46' 40.43'' E
NS UTM [m]	6453416.52
ØV UTM [m]	428194.30
UTM sone	31
NPDID for brønnbanen	5608

Brønnhistorie

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.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1180.00	3036.00

Borekaks tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
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

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
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

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD LWD - GR EWR PWD ALD CTN DIR	1170	3036

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
OPEN HOLE		3036.0	8 1/2	3036.0	1.58	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
175	1.50			OIL BASED	
175	1.47			OIL BASED	
890	1.50			OIL BASED	