Generell informasjon

Brønnbane navn	25/8-16 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	25/8-16 S (Eitri)
Brønn navn	25/8-16
Seismisk lokalisering	NO 07M01-inline 2003 & Xline 4329
Utvinningstillatelse	027 D
Boreoperatør	ExxonMobil Exploration and Production Norway AS
Boretillatelse	1251-L
Boreinnretning	BREDFORD DOLPHIN
Boredager	12
Borestart	13.05.2009
Boreslutt	23.05.2009
Frigitt dato	23.05.2011
Publiseringsdato	23.05.2011
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	126.0
Totalt målt dybde (MD) [m RKB]	2324.0
Totalt vertikalt dybde (TVD) [m RKB]	2189.0
Maks inklinasjon [°]	34.3
Eldste penetrerte alder	LATE CRET./PALEOCENE
Eldste penetrerte formasjon	SHETLAND GP
Geodetisk datum	ED50
NS grader	59° 24' 56.25'' N
ØV grader	2° 29' 2.34'' E
NS UTM [m]	6586599.87
ØV UTM [m]	470710.44
UTM sone	31
NPDID for brønnbanen	6128

Brønnhistorie

General

Well 25/8-16 S and its sidetrack 25/8-16 A were drilled on the Utsira High in the southern part of the Viking Graben in the North Sea. Well 25/8-16 S found a 3 m oil column in the Heimdal Formation. The sidetrack well 25/8-16 A was drilled to appraise this discovery down flank of the structural high (where 25/8-16 S is situated).

Operations and results

Appraisal well 25/8-16 A was kicked off from main well 25/8-16 S at 1040 to 1050 m on 13 May 2009. It was drilled with the semi-submersible installation Bredford Dolphin to TD at 2324 m (2189 m TVD) where severe mud losses occurred. Due to this TD was set prematurely and attempts to run wire line logs failed. Also, since there were no returns for lithostratigraphy the stratigraphy at TD was not defined. Last known lithostratigraphic Formation was the Ekofisk Formation, 6 m above TD. The well was drilled with XP-07 oil based mud from kick-off to TD

The Heimdal formation consisted mainly of claystones with a thin sandstone at 2236 m. This sand was partly highly calcite cemented with some thin good porosity sands interbedded with the calcite stringers. The logs showed that the good porosity sands were water filled. Above this sand some thin and unclean siltstone/sandstones were indicated to contain hydrocarbons. However, the MDT tool was not able to pass 1392m and the MDT sampling was aborted. No oil shows were recorded in the well.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 23 May 2009.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1050.00	2316.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
151	NORDLAND GP
519	UTSIRA FM
1005	HORDALAND GP
1157	SKADE FM

1227	GRID FM
1948	ROGALAND GP
1948	BALDER FM
2014	SELE FM
2093	LISTA FM
2133	HEIMDAL FM
2290	TY FM
2306	SHETLAND GP
2306	EKOFISK FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD LWD - DIR	151	220
MWD LWD - DIR DGR EWR PWD	220	1036
MWD LWD - GR EWRP4 ALD CTM BAT G	1050	2324

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
INTERM.	13 3/8	1030.0	17 1/2	1040.0	1.82	LOT
OPEN HOLE		2324.0	8 1/2	2324.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
207	1.47	27.0		XP-07	
1170	1.47	20.0		XP-07	
1710	1.47	21.0		XP-07	
1915	1.47	17.0		XP-07	
2060	1.47	22.0		XP-07	
2324	1.47	22.0		XP-07	