



Generell informasjon

Brønnbane navn	25/5-9
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	TYRVING
Funn	25/5-9 (Trell)
Brønn navn	25/5-9
Seismisk lokalisering	MC3D-NVG11M
Utvinningstillatelse	102 F
Boreoperatør	Total E&P Norge AS
Boretillatelse	1501-L
Boreinnretning	LEIV EIRIKSSON
Boredager	56
Borestart	01.01.2014
Boreslutt	25.02.2014
Frigitt dato	25.02.2016
Publiseringsdato	25.02.2016
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	HEIMDAL FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	122.0
Totalt målt dybde (MD) [m RKB]	2265.0
Totalt vertikalt dybde (TVD) [m RKB]	2265.0
Maks inklinasjon [°]	2.2
Temperatur ved bunn av brønnbanen [°C]	83
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	HEIMDAL FM
Geodetisk datum	ED50



NS grader	59° 37' 4.69" N
ØV grader	2° 23' 47.12" E
NS UTM [m]	6609175.00
ØV UTM [m]	465945.05
UTM sone	31
NPDID for brønnbanen	7345

Brønnhistorie

General

Well 25/5-9 was drilled on the Trell prospect on the Heimdal Terrace in the North Sea. The primary objective was to test the quality, thickness and hydrocarbon potential of the Paleocene Heimdal Formation sandstone. If the well was proven hydrocarbon bearing, a 30m core was to be cut followed by a full WL acquisition and a DST in order to assess the hydrocarbon potential in the prospect. Well 25/5-9 is the replacement well for 25/5-8, which was abandoned at 1199 m due to hole problems when setting the 13 43/8" casing. The location of well 25/5-9 was set 51 m south-west from 25/5-8 in order to reach the same target without having to re-position the anchors or having to perform directional drilling.

Operations and results

Wildcat well 25/5-9 was spudded with the semi-submersible installation Leiv Eiriksson on 1 January 2014 and drilled to TD at 2265 m in the Paleocene Heimdal Formation. Operations were interrupted several times mainly due to bad weather conditions. Otherwise, no major problem occurred in the operations. The well was drilled with seawater and hi-vis pills down to 491 m, with Glydril mud from 491 m to 1260 m, with Sildril WBM from 1260 m to 2153 m, and with FloPro WBM from 2153 m to TD.

The target Heimdal Formation was encountered at 2182 m, 8 m shallow to prognosis. The Heimdal Formation was oil bearing down to the OWC at 2203 m. Sampling and pressure readings indicated very good productivity. Oil shows were described over the oil-bearing section and continued down to 2240 m with intermittent shows down to a depth of 2255 m.

Coring was attempted but failed for technical reasons. MDT fluid samples were taken at 2182.5 m (oil), and at 2207 m (water). PVT analysis of the oil sample gave a stock tank density of 0.835 g/cm³ and a GOR of 38 Sm³/Sm³.

The well was permanently abandoned on 25 February 2014 as an oil discovery

Testing

Due to short oil column no drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
491.00	2264.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----



Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
147	NORDLAND GP
390	UTSIRA FM
924	HORDALAND GP
978	SKADE FM
1052	HORDALAND GP
1293	GRID FM
2036	FRIGG FM
2083	ROGALAND GP
2083	BALDER FM
2104	SELE FM
2138	LISTA FM
2182	HEIMDAL FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - DSI ROP GR APWD	146	1999

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
CONDUCTOR	30	215.0	36	215.0	0.00	
SURF.COND.	20	481.0	26	491.0	0.00	
INTERM.	13 3/8	1250.0	17 1/2	1260.0	1.50	FIT
INTERM.	9 5/8	2119.0	12 1/4	2153.0	1.46	FIT
OPEN HOLE		2265.0	8 1/2	2265.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
491	1.35	33.0		Spud Mud	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 9.5.2024 - 23:41

491	1.35	33.0		Spud Mud	
559	1.15	10.0		Polymer New Tech	
1260	1.20	13.0		Polymer New Tech	
1264	1.33	19.0		Silicate	
1461	1.35	16.0		Silicate	
2153	1.35	15.0		Silicate	
2265	1.14	10.0		Drill-In Fluid	