



Generell informasjon

Brønnbane navn	25/1-11 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	SKOGUL
Funn	25/1-11 R Skogul
Brønn navn	25/1-11
Seismisk lokalisering	NH9306R04 inline 1250 & xline 2593
Utvinningstillatelse	460
Boreoperatør	Det norske oljeselskap ASA
Boretillatelse	1312-L
Boreinnretning	AKER BARENTS
Boredager	16
Borestart	29.04.2010
Boreslutt	14.05.2010
Plugget og forlatt dato	14.05.2010
Frigitt dato	14.05.2012
Publiseringsdato	14.05.2012
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	EOCENE
1. nivå med hydrokarboner, formasjon.	FRIGG FM
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	107.0
Totalt målt dybde (MD) [m RKB]	2410.0
Totalt vertikalt dybde (TVD) [m RKB]	2265.0
Maks inklinasjon [°]	33
Temperatur ved bunn av brønnbanen [°C]	75
Eldste penetrerte alder	LATE PALEOCENE
Eldste penetrerte formasjon	HEIMDAL FM



Geodetisk datum	ED50
NS grader	59° 47' 25.12" N
ØV grader	2° 13' 6.43" E
NS UTM [m]	6628472.08
ØV UTM [m]	456130.02
UTM sone	31
NPDID for brønnbanen	6376

Brønnhistorie

General

Well 25/1-11 A is a sidetrack to the Storklakken well 25/1-11 R on the Frigg Ridge between the Frigg and Heimdal Fields in the North Sea. Well 25/1-11R found oil and gas in the Eocene Frigg Formation. The main objective of the sidetrack was to prove the vertical extension of the hydrocarbon column in the Frigg reservoir and to find a potential gas-oil contact. An additional objective was to achieve better control of the Frigg/Odin sand pinch out line.

Operations and results

Well 25/1-11 A was sidetracked on 26 April 2010 from a window in the 13 3/8" casing at 1099 m in the primary well bore. The well was drilled with the semi-submersible installation Aker Barents to TD at 2410 m (2264.5 m TVD) in the Paleocene Heimdal Formation. The well was drilled with Versatec oil based mud from kick-off to TD.

The Frigg Formation came in at 2234 m (2110 m TVD). The upper section down to 2274 m (2145.5 m TVD) was dominantly claystone with thin sandstone stringers. In these sandstone stringers a gas gradient was found. In the main Frigg Sandstone an oil gradient was seen with an oil-down-to contact at 2286 m (2156 m TVD). No water zone was encountered. The gas gradient indicates the possibility of a GOC at 2146.1 m TVD. The pressure regimes in the Frigg Formation in the two well bores are slightly different, indicating a pressure barrier in the Frigg reservoir section between the two wellbores. In the lower section of the well a separate water gradient was found in the Heimdal Formation sandstone with a slightly higher pressure regime compared to the Frigg Sandstone.

No cores were cut. The MDT was run for pressure points and fluid samples. In this operation the MDT got stuck, but was freed and retrieved to surface after a 50 hours cut and thread operation. Eighteen good pressure points out of 24 tests were obtained, and a water sample was taken at 2320 m.

The well was permanently abandoned on 14 May 2010 as an oil and gas appraisal.

Testing

No drill stem test was performed.



Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1110.00	2410.00
Borekaks tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
2261.0	[m]	DC	PETROSTR
2270.0	[m]	DC	PETROS
2273.0	[m]	DC	PETROS
2288.0	[m]	DC	PETROS
2297.0	[m]	DC	PETROS
2306.0	[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
2396.0	[m]	DC	PETROS
2405.0	[m]	DC	PETROS
2410.0	[m]	DC	PETROS

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
147	NORDLAND GP
397	UTSIRA FM
998	HORDALAND GP
1509	GRID FM
1519	NO FORMAL NAME
2234	FRIGG FM
2290	ROGALAND GP



2290	BALDER FM
2308	SELE FM
2318	HERMOD FM
2349	LISTA FM
2390	HEIMDAL FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT	2320	0
MSCT	2232	2395
MWD LWD - GR RES	1099	2407
PEX AIT	1062	2413

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	1091.0	17 1/2	1178.0	0.00	LOT
OPEN HOLE		2410.0	12 1/4	2410.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1143	1.24	22.0		Glydril	
1328	1.39	34.0		Versatec	
1736	1.39	36.0		Versatec OBM	
1978	1.21	20.0		Glydril	
2450	1.39	33.0		Versatec OBM	