Generell informasjon

Brønnbane navn	25/2-17
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	HUGIN
Funn	25/2-17
Brønn navn	25/2-17
Seismisk lokalisering	UHN98R00-inline 3338 & crossline 4645
Utvinningstillatelse	442
Boreoperatør	StatoilHydro Petroleum AS
Boretillatelse	1276-L
Boreinnretning	OCEAN VANGUARD
Boredager	35
Borestart	07.09.2009
Boreslutt	11.10.2009
Frigitt dato	11.10.2011
Publiseringsdato	11.10.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EOCENE
1. nivå med hydrokarboner, formasjon.	FRIGG FM
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	120.0
Totalt målt dybde (MD) [m RKB]	2193.0
Totalt vertikalt dybde (TVD) [m RKB]	2192.0
Maks inklinasjon [°]	2.5
Temperatur ved bunn av brønnbanen [°C]	67
Eldste penetrerte alder	PALEOCENE
Eldste penetrerte formasjon	SELE FM
Geodetisk datum	ED50

NS grader	59° 51' 57.13'' N
ØV grader	2° 37' 50.39'' E
NS UTM [m]	6636686.06
ØV UTM [m]	479314.99
UTM sone	31
NPDID for brønnbanen	6215

Brønnhistorie

General

Well 25/2-17, Frigg Delta, was drilled east of the Frigg Field and north of the Frøy discovery in the south-west end of the Bjørgvin Arch in the North Sea. The main objective of the well was to prove commercial hydrocarbon accumulation in the Frigg Formation found in the lower part of the Hordaland Group. The License obligation was to drill 50 m into the Rogaland Group, before setting the TD of the well.

Operations and results

Appraisal well 25/2-17 was spudded with the semi-submersible installation Ocean Vanguard on 7 September 2009 and drilled to TD at 2193 m in the Early Eocene sediments of the Sele Formation. No major problems were encountered in the operations. The well was drilled with sea water and hi-vis PAC/RE sweeps down to 1000 m and with Performadril water-based mud from 1000 m to TD.

Well 25/2-17 encountered oil in unconsolidated sand of the Frigg Formation. Top Frigg came in at 1949 m, 10 m deeper than prognosed, and the oil water contact 2 m shallower than prognosed giving an oil column of 20 m. Good shows were recorded in the oil-bearing zone on core #1 from its top at 1955 m to 1970 m where a clear OWC was seen. Otherwise no oil shows were recorded in the well.

Three cores were cut from 1955 m to 2014 m in the Frigg Formation. MDT oil samples with up to 50% water cut were taken at 1951.2 m, while clean water samples were taken at 1987.6 m. Single stage separation of the oil gave an oil density of 0.919 g/cm3 and a GOR of 16 Sm3/Sm3.

The well was permanently abandoned on 11 October 2009. The well was drilled as wildcat but has later been reclassified as an appraisal of the 25/2-10 S GammaDelta discovery

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1010.00	2193.00

Borekaks tilgjengelig for prøvetaking?	YES

Borekjerner i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1955.0	1973.9	[m]
2	1974.0	1986.2	[m]
3	1987.0	2014.0	[m]

Total kjerneprøve lengde [m]	58.1
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
142	NORDLAND GP
468	UTSIRA FM
1045	HORDALAND GP
1949	FRIGG FM
2112	ROGALAND GP
2112	BALDER FM
2160	SELE FM

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
6215_01_25_2_17_gch_transfer_1	txt	0.00
6215_02_25_2_17_gch_results_1	txt	0.02
6215_03_25_2_17_gch_transfer_2	txt	0.00
6215_04_25_2_17_gch_results_2	txt	0.01

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FMI MSIP	1885	2187
MDT PRESS	1950	2032
MDT SAMP	1951	1951

MSIP PEX PPC	1000	1878
MWD LWD - PP	142	207
MWD LWD - PP ARCVIS8	207	1903
MWD LWD - TELE ARCVIS6 GEOVIS6	1903	2193
PEX HRLA	1885	2187
VSP NI-4WA	142	1850

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	201.0	36	203.0	0.00	LOT
SURF.COND.	13 3/8	1000.0	17 1/2	1007.0	1.33	LOT
INTERM.	9 5/8	1885.0	12 1/4	1903.0	1.77	LOT
OPEN HOLE		2193.0	8 1/2	2193.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
247	1.23	22.0		Performadril	
1007	1.14	16.0		Performadril	
1380	1.17	25.0		Performadril	
1710	1.21	30.0		Performadril	
1900	1.22	25.0		Performadril	
1900	1.20	27.0		Performadril	
1904	1.21	20.0		Performadril	
1955	1.20	25.0		Performadril	
2015	1.21	23.0		Performadril	
2193	1.20	24.0		Performadril	