Generell informasjon

Brønnbane navn	6608/10-13
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORWEGIAN SEA
Brønn navn	6608/10-13
Seismisk lokalisering	3D survey ST04M14 inline 1812 & xline 2164
Utvinningstillatelse	437
Boreoperatør	StatoilHydro Petroleum AS
Boretillatelse	1280-L
Boreinnretning	OCEAN VANGUARD
Boredager	20
Borestart	17.10.2009
Boreslutt	07.11.2009
Frigitt dato	07.11.2011
Publiseringsdato	07.11.2011
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	22.0
Vanndybde ved midlere havflate [m]	384.0
Totalt målt dybde (MD) [m RKB]	1442.0
Totalt vertikalt dybde (TVD) [m RKB]	1442.0
Maks inklinasjon [°]	1.4
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	ÅRE FM
Geodetisk datum	ED50
NS grader	66° 0' 25.47'' N
ØV grader	8° 18' 10.22'' E
NS UTM [m]	7321059.92
ØV UTM [m]	468365.92
UTM sone	32
NPDID for brønnbanen	6235

Brønnhistorie

General

Well 6608/10-13 was drilled on the Fløien North Prospect on the Nordland Ridge, east of the Norne Field in the Norwegian Sea. The main objective for the well was to prove hydrocarbons in Åre 2 Formation. A secondary objective was to test the potential in a deeper reservoir (Åre 1).

Operations and results

Wildcat well 6608/10-13 was spudded with the semi-submersible installation Ocean Vanguard on 17 October 2009 and drilled to TD at 1442 m in the Early Jurassic Åre Formation. No shallow gas was observed by the ROV at the wellhead or by the MWD while drilling the 36" hole or the pilot hole. Operations proceeded without significant problems. The well was drilled with sea water and sweeps down to 1136.5 m, and with Performadril WBM mud from 1136.5 m to TD.

The well penetrated rocks of Quaternary, Tertiary, Cretaceous, and Jurassic age. The well did not penetrate the Åre 2 as prognosed, instead the Åre 1 came in 81 m shallow to prognosis. The Åre 1 unit consisted of alternating mudstones, coals and sandstones, and the sandstones in general exhibited high porosity and permeability throughout. The Åre 1 unit was water filled with a water gradient of 1.02 g/cc evaluated from MDT recorded pressure measurements. No oil shows were recorded in the well and the gas readings were close to zero.

No cores were cut. The MDT tool was run for pressure points only, no fluid samples were taken.

The well was permanently abandoned on 7 November 2009 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1150.00	1440.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
406	NORDLAND GP
406	NAUST FM

1191	KAI FM
1233	ROGALAND GP
1233	TARE FM
1264	TANG FM
1272	SHETLAND GP
1272	SPRINGAR FM
1281	BÅT GP
1281	ÅRE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT	1238	1413
MWD LWD - ARCVRES8	466	857
MWD LWD - ARCVRES8	466	1142
MWD LWD - GVR6 ARCVRES6 TELE	1142	1442
MWD LWD - POWERPULSE	408	464
PEX DSI	900	1444
VSP	344	1432

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	456.0	36	474.0	0.00	LOT
SURF.COND.	9 7/8	1136.0	12 1/4	1145.0	1.49	LOT
OPEN HOLE		1442.0	8 1/2	1442.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1112	1.21	17.0		Performadril	
1142	1.18	20.0		Performadril	
1144	1.20	20.0		Performadril	
1165	1.21	17.0		Performadril	
1388	1.22	19.0		Performadril	
1442	1.21	20.0		Performadril	