

**General information**

Wellbore name	6608/10-13
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6608/10-13
Seismic location	3D survey ST04M14 inline 1812 & xline 2164
Production licence	437
Drilling operator	StatoilHydro Petroleum AS
Drill permit	1280-L
Drilling facility	OCEAN VANGUARD
Drilling days	20
Entered date	17.10.2009
Completed date	07.11.2009
Release date	07.11.2011
Publication date	07.11.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	384.0
Total depth (MD) [m RKB]	1442.0
Final vertical depth (TVD) [m RKB]	1442.0
Maximum inclination [°]	1.4
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	66° 0' 25.47" N
EW degrees	8° 18' 10.22" E
NS UTM [m]	7321059.92
EW UTM [m]	468365.92
UTM zone	32
NPDID wellbore	6235



Wellbore history

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.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1150.00	1440.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
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

Logs

Log type	Log top depth [m]	Log bottom depth [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

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
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

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
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	

