

**General information**

Wellbore name	6608/10-10
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	6608/10-10
Seismic location	ST0103- inline 1070 & crossline 2281
Production licence	128
Drilling operator	Statoil ASA (old)
Drill permit	1047-L
Drilling facility	STENA DON
Drilling days	22
Entered date	17.07.2003
Completed date	07.08.2003
Release date	07.08.2005
Publication date	21.12.2007
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	24.0
Water depth [m]	374.0
Total depth (MD) [m RKB]	2800.0
Final vertical depth (TVD) [m RKB]	2800.0
Maximum inclination [°]	3.5
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	66° 4' 17.9" N
EW degrees	8° 10' 11.4" E
NS UTM [m]	7328329.75
EW UTM [m]	462426.27
UTM zone	32
NPDID wellbore	4699



Wellbore history

General

Well 6608/10-10 is located on the Dønna Terrace offshore Mid Norway in the south central part of the block. It was drilled to test the Gråspett structure, which consists of two rotated fault blocks north of the Norne and Stær Fields. The primary objective was to prove hydrocarbons in the Middle and Early Jurassic sandstones of the Not and Åre Formations. Secondary objective was to prove hydrocarbons in the Late Jurassic sandstones of the Melke Formation.

Operations and results

Wildcat well 6608/10-10 was spudded with the semi-submersible installation Stena Don on 17 July 2003 and drilled to TD at 2800 m in the Early Jurassic Åre Formation. The well was drilled with sea water and hi-vis pills down to 1377 m and with KCl/Pac/glycol mud from 1377 m to TD. Severe hole problems with tight spots and repeated fall-out of large quantities of cavings were experienced in the bottom 12 1/4" section of the well. The KCl content in the mud used in 6608/10-10 represents the largest concentrations compared to the previous nearby wells. It is believed that this KCl content caused the instability in the Brygge, Tare and Tang Formations. Due to these hole problems the reservoirs were not logged with wire line logs.

Three sandstone beds in the Melke Formation were penetrated and proven to be water wet. The sandstones in the Fangst and Båt Groups were also water wet. No hydrocarbons were proven in the well.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 7 August 2003 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]
1390.00	2800.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
398	NORDLAND GP
398	NAUST FM
1401	KAI FM



1557	HORDALAND GP
1557	BRYGGE FM
1799	ROGALAND GP
1799	TARE FM
1884	TANG FM
1921	SHETLAND GP
1921	SPRINGAR FM
1944	NISE FM
2160	KVITNOS FM
2304	CROMER KNOLL GP
2304	LYR FM
2365	VIKING GP
2365	SPEKK FM
2376	MELKE FM
2405	INTRA MELKE FM SS
2462	FANGST GP
2462	NOT FM
2500	ILE FM
2504	BÅT GP
2504	ROR FM
2529	TILJE FM
2567	ÅRE FM

Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
4699 6608 10 10 COMPLETION LOG	.TIF	1.96
4699 6608 10 10 COMPLETION REPORT	.PDF	2.78

Logs

Log type	Log top depth [m]	Log bottom depth [m]
FMI DSI PEX-LITE HNGS ERCD	374	1701
MWD - MPR	445	2800

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	445.0	36	445.0	0.00	LOT
SURF.COND.	13 3/8	1377.0	17 1/2	1377.0	1.55	LOT
OPEN HOLE		2800.0	12 1/4	2800.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1382	1.39	20.0		GLYDRIL 74	
1870	1.41	19.0		GLYDRIL 74	