General information

Wellbore name	6608/10-8 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Field	URD
Discovery	6608/10-8 Stær
Well name	6608/10-8
Seismic location	ST9203R98-Inline 1165 & Crossline 2220.
Production licence	128
Drilling operator	Statoil ASA (old)
Drill permit	1036-L
Drilling facility	STENA DON
Drilling days	15
Entered date	12.04.2002
Completed date	26.04.2002
Release date	26.04.2004
Publication date	18.05.2004
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	INTRA MELKE FM SS
2nd level with HC, age	MIDDLE JURASSIC
2nd level with HC, formation	FANGST GP
3rd level with HC, age	EARLY JURASSIC
3rd level with HC, formation	BÅT GP
Kelly bushing elevation [m]	24.0
Water depth [m]	376.0
Total depth (MD) [m RKB]	2660.0
Final vertical depth (TVD) [m RKB]	2539.5
Maximum inclination [°]	46.4
Bottom hole temperature [°C]	94
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	TILJE FM

Geodetic datum	ED50
NS degrees	66° 3' 34.07'' N
EW degrees	8° 10' 42.92'' E
NS UTM [m]	7326967.49
EW UTM [m]	462804.74
UTM zone	32
NPDID wellbore	4530

Wellbore history

General

Well 6608/10-8 was drilled in the Nordland II area on the Stær structure, ca 3 km north east of the Norne Field. Geologically the structure is part of the Dønna Terrace. The primary objective of the well was to prove hydrocarbons in sandstones of the Middle to Early Jurassic Garn, Ile, Tofte, and Åre Formations. The hydrocarbon potential of the Melke Formation of Late Jurassic age was considered as secondary objective. Well 6608/10-8 proved an oil-water contact in the Åre Formation. The sidetrack, 6608/10-8A was drilled in order to appraise the oilûwater contact down flank on the Stµr prospect.

Operations and results

Appraisal well 6608/10-8A was kicked off from well 6608/10-8 at 1340 m with the semi-submersible installation Stena Don on 12 April 2002, and drilled to a total depth of 2660 m (2540 m TVD RKB) in the Early Jurassic Tilje Formation. The well bore was drilled with Aquadril (KCl / polymer / glycol mud) from kick-off to TD. The oil water contact was verified to be in the Tilje Formation, approximately 5-10 m deeper than in well 6608/10-8. No cores were cut in this well bore. Water samples were acquired in 6608/10-8A. The sidetrack was permanently abandoned on 26 April 2002 as an oil appraisal.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1350.00	2660.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
400	NORDLAND GP
400	NAUST FM

1418	KAI FM
1560	HORDALAND GP
1560	BRYGGE FM
1791	ROGALAND GP
1791	TARE FM
1875	TANG FM
1908	SHETLAND GP
1908	SPRINGAR FM
2108	CROMER KNOLL GP
2108	LYR FM
2323	VIKING GP
2323	SPEKK FM
2345	MELKE FM
2434	INTRA MELKE FM SS
2520	MELKE FM
2531	FANGST GP
2536	NOT FM
2612	ILE FM
2615	BÅT GP
2615	TILJE FM

Composite logs

Document name	Document format	Document size [MB]
4530	pdf	0.38

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

Document name	Document format	Document size [MB]
4530_6608_10_8_A_COMPLETION_LOG	.pdf	4.93
4530_6608_10_8_A_COMPLETION_REPORT	.PDF	14.55

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MDT GR	2438	2636

MWD - LWD MPT	1340	2660
PEX HRLA DSI HNGS	1292	2650
PEX HRLA DSI HNGS	1292	2650

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
OPEN HOLE		2600.0	8 1/2	2600.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1833	1.37	33.0		KCL/GLYCOL/POLY	
2660	1.37	32.0		KCL/GLYCOL/POLY	