

**General information**

Wellbore name	6507/8-7
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	6507/8-7
Seismic location	ST00M01- inline402 & crossline 972
Production licence	124
Drilling operator	Statoil ASA (old)
Drill permit	1070-L
Drilling facility	DEEPSEA BERGEN
Drilling days	27
Entered date	05.01.2004
Completed date	31.01.2004
Release date	31.01.2006
Publication date	06.06.2006
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	333.0
Total depth (MD) [m RKB]	2975.0
Final vertical depth (TVD) [m RKB]	2975.0
Maximum inclination [°]	2.7
Bottom hole temperature [°C]	107
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	TILJE FM
Geodetic datum	ED50
NS degrees	65° 17' 42.5" N
EW degrees	7° 21' 41.6" E
NS UTM [m]	7242522.23
EW UTM [m]	423592.82
UTM zone	32
NPDID wellbore	4854



Wellbore history

General

Well 6507/8-7 was drilled in the Grinna Graben, ca 1 km south-east of the Heidrun Field. The primary objective was to prove hydrocarbons in the Middle and Early Jurassic sandstones of the Fangst and Båt Groups. The secondary objective was to prove hydrocarbons in the Cretaceous Lysing Formation of the Cromer Knoll Group.

Operations and results

Well was spudded with the semi-submersible installation on 5 January 2004 and drilled to TD at 2975 m, 17 m into the Early Jurassic Tilje Formation. The 20" casing was set at 578 m, above a possible shallow gas anomaly. No shallow gas was observed in the well. The well was drilled with seawater and hi-vis sweeps down to 550 m, with seawater/polymer mud from 550 m to 1510 m, and with KCl/PAC/glycol mud (Glydril) from 1510 m to TD.

The well penetrated rocks of Quaternary, Tertiary, Cretaceous and Jurassic age. The Lysing Formation did not exist at the location. The top of Cromer Knoll Group consists of interbedded limestone/marl and claystone dated to the Lange Formation. The Viking and the Fangst Groups were both slightly thicker than expected. No sand beds were penetrated in the Viking Group. No hydrocarbons were proven in the penetrated sand beds of the Fangst and Båt Groups. No cores were cut in the well and no fluid sample taken.

The well was permanently abandoned on 31 January 2004 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]
570.00	2975.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
356	NORDLAND GP
356	NAUST FM
1450	KAI FM
1820	HORDALAND GP
1820	BRYGGE FM



2021	ROGALAND GP
2021	TARE FM
2065	TANG FM
2099	SHETLAND GP
2099	SPRINGAR FM
2186	NISE FM
2376	KVITNOS FM
2443	CROMER KNOLL GP
2443	LANGE FM
2575	LYR FM
2649	VIKING GP
2649	SPEKK FM
2750	MELKE FM
2820	FANGST GP
2820	GARN FM
2848	NOT FM
2851	ILE FM
2900	BÅT GP
2900	ROR FM
2957	TILJE FM

Composite logs

Document name	Document format	Document size [MB]
4854	pdf	0.38

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - MPR DCP	1510	2737
MWD LWD - MPR-LITE	408	1510
PEX-LITE DSI	1500	2718

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	403.0	36	408.0	0.00	LOT
SURF.COND.	20	545.0	26	550.0	1.23	LOT
INTERM.	13 3/8	1500.0	17 1/2	1510.0	1.62	LOT
INTERM.	9 7/8	2736.0	12 1/4	2737.0	1.65	LOT
OPEN HOLE		2975.0	8 1/2	2975.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
860	1.15	15.0		SW / POLYMER 2	
1510	1.15	15.0		SW / POLYMER 2	
1890	1.41	20.0		GLYDRIL 74	
2670	1.41	20.0		GLYDRIL 74	
2737	1.41	20.0		GLYDRIL 74	
2740	1.20	16.0		GLYDRIL 74	