

**General information**

Wellbore name	6406/3-7
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	6406/3-7
Seismic location	Seismic 3D survey:HWE95M-inline3501-trace 7324
Production licence	314
Drilling operator	Statoil ASA (old)
Drill permit	1120-L
Drilling facility	WEST ALPHA
Drilling days	60
Entered date	22.07.2006
Completed date	19.09.2006
Release date	19.09.2008
Publication date	18.12.2008
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	18.0
Water depth [m]	275.0
Total depth (MD) [m RKB]	4520.0
Final vertical depth (TVD) [m RKB]	4507.2
Bottom hole temperature [°C]	162
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	64° 46' 14.78" N
EW degrees	6° 42' 28.95" E
NS UTM [m]	7185059.48
EW UTM [m]	391006.54
UTM zone	32
NPDID wellbore	5375



Wellbore history

General

Well 6406/3-7 is located on the Halten Terrace in the Norwegian Sea. The purpose of the well was to test the hydrocarbon potential of the Antares structure. The primary target was the Garn and Ile Formations and secondary targets were the Tofte, Tilje and Åre Formations.

Operations and results

Wildcat well 6406/3-7 was spudded with the semi-submersible installation West Alpha on 22 July 2006 and drilled to TD at 4520 m in the Early Jurassic Åre Formation. No significant problems were encountered in the operations. The well was drilled with seawater / CMC high.visc. pills down to 1468 m, with Glydrill #18 mud from 1438 m to 3951 m, and with Paratherm oil based mud from 3951 m to TD. All cuttings down to 1480 m MD were returned to seabed.

Top Garn Formation was penetrated at 3985 m. A dry well data acquisition programme was performed. All reservoir zones were water bearing, with a water gradient of 1.01 g/cm³ in all the formations. No natural fluorescence or other indications of oil shows were observed in the well.

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

The well was permanently abandoned on 19 September 2006 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]
1480.00	4520.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
293	NORDLAND GP
293	NAUST FM
1504	KAI FM
1929	HORDALAND GP
1929	BRYGGE FM
2366	ROGALAND GP



2366	TARE FM
2454	TANG FM
2499	SHETLAND GP
2499	SPRINGAR FM
2609	NISE FM
2773	KVITNOS FM
3297	CROMER KNOLL GP
3297	LANGE FM
3875	LYR FM
3895	VIKING GP
3895	SPEKK FM
3900	MELKE FM
3985	FANGST GP
3985	GARN FM
4058	NOT FM
4113	ILE FM
4179	BÅT GP
4179	ROR FM
4228	TOFTE FM
4262	ROR FM
4333	TILJE FM
4473	ÅRE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL GR	1915	2302
CBL VDL GR	1960	2290
CCL	2210	2215
CCL	3941	3942
DSI EMS ACTS AIT GR	2765	4500
DSI LDS	2294	3950
IPLT GR	3880	4523
LWD - AUTOTRACK ONTRACK MPR	2302	3877
LWD - ONTRACK MPR LITE	340	2302
LWD - ONTRACK MPR LITE	3877	3950
LWD - ONTRACK TESTRACK	3950	4520
MDT PRETEST GR	3986	0



MDT PRETEST GR	3989	4521
MRCT GR	4449	0
MRCT GR	4479	4492
VSP GR	1375	4502
VSP LOOKAHEAD	2045	3870

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	340.0	36	340.0	0.00	LOT
SURF.COND.	20	1458.0	26	1468.0	1.70	LOT
INTERM.	14	2294.0	17 1/2	2302.0	1.90	LOT
INTERM.	9 7/8	3951.0	12 1/4	3951.0	2.05	LOT
OPEN HOLE		4250.0	8 1/2	4250.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1468	1.35			SEAWATER / CMC	
1564	1.45	25.0		GLYDRIL 18	
2302	1.62	23.0		GLYDRIL 18	
2308	1.62	21.0		GLYDRIL 18	
2497	1.80	37.0		PARATHERM	
3678	1.84	34.0		PARATHERM	
3951	1.86	36.0		PARATHERM	
3951	1.84	32.0		PARATHERM	