

**General information**

Wellbore name	16/2-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	16/2-2
Seismic location	ST00M3-INLINE 2290 & X-LINE 2948
Production licence	265
Drilling operator	Statoil ASA (old)
Drill permit	1013-L
Drilling facility	BYFORD DOLPHIN
Drilling days	18
Entered date	17.09.2001
Completed date	04.10.2001
Release date	04.10.2003
Publication date	04.10.2003
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	120.0
Total depth (MD) [m RKB]	1880.0
Final vertical depth (TVD) [m RKB]	1855.0
Maximum inclination [°]	1.9
Bottom hole temperature [°C]	82
Oldest penetrated age	EARLY CRETACEOUS
Oldest penetrated formation	RØDBY FM
Geodetic datum	ED50
NS degrees	58° 58' 7.79" N
EW degrees	2° 30' 7.79" E
NS UTM [m]	6536838.50
EW UTM [m]	471371.06
UTM zone	31
NPDID wellbore	4408



Wellbore history

General

Well 16/2-2 is located on the Skuld prospect located just to the south of the proven Balder/Grane oil province. There are four main prospective sandstones in the area: the Ty, the Lower Heimdal, the Middle/Upper Heimdal, and the Hermod Formations. All four sandstones were believed to be present in the prospect. The objectives of the well were to prove commercial volumes of hydrocarbons and to test the stratigraphic trap and the structural closure.

Operations and results

Exploration well 16/2-2 was spudded with the semi-submersible installation "Byford Dolphin" and drilled to TD at 1880 m in the Early Cretaceous Rødby Formation. The well was drilled with seawater and bentonite hi-vis pills down to 1312 m and with oil based "NOVATEC" mud from 1312 m to TD.

No shallow gas was encountered. Only minor amounts of gas were recorded in the well with maximum 0.17% formation gas recorded at 1697 m in Tertiary, predominantly claystone lithology. Otherwise there were no indications of hydrocarbons throughout the well. No reservoir rock was developed in the Paleocene section. The Paleocene sequence is composed of claystones with only occasional traces of coarser clastics (siltstone and rarely sandstone). No cores were cut in the well and no fluid samples were taken.

The well was permanently plugged and abandoned as a dry well on 4 October 2000.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1320.00	1880.60

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
145	NORDLAND GP
871	UTSIRA FM
895	UNDIFFERENTIATED
961	HORDALAND GP
961	SKADE FM



1126	NO FORMAL NAME
1630	ROGALAND GP
1630	BALDER FM
1649	SELE FM
1709	LISTA FM
1815	VÅLE FM
1836	SHETLAND GP
1836	TOR FM
1851	HOD FM
1872	BLODØKS FM
1875	CROMER KNOLL GP
1875	RØDBY FM

Composite logs

Document name	Document format	Document size [MB]
4408	pdf	0.19

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

Document name	Document format	Document size [MB]
4408_16_2_2_COMPLETION_LOG	.pdf	3.95
4408_16_2_2_COMPLETION_REPORT	.pdf	2.18

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CSI GR	498	1880
DSI PEX AIT GR	1307	1886
MPR - DIR GR RES	205	1312
MPR - DIR GR RES DCP	1312	1634
MPR - DIR GR RES DCP	1634	1880

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	205.0	36	206.0	0.00	LOT
SURF.COND.	13 3/8	1305.0	17 1/2	1305.0	1.62	LOT
OPEN HOLE		1855.0	8 1/2	1855.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
220	1.03			SEAWATER/CMC	
1155	1.35	22.0		NOVATEC	
1158	1.03			SEAWATER/CMC	
1312	1.03			SEAWATER/CMC	
1316	1.03			SEAWATER/CMC	
1600	1.35	23.0		NOVATEC	