

**General information**

Wellbore name	24/12-4
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	24/12-4
Seismic location	SV92R00-line:3263/2142
Production licence	204
Drilling operator	Statoil ASA (old)
Drill permit	1012-L
Drilling facility	BYFORD DOLPHIN
Drilling days	15
Entered date	31.08.2001
Completed date	14.09.2001
Release date	14.09.2003
Publication date	14.09.2003
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	115.0
Total depth (MD) [m RKB]	2265.0
Final vertical depth (TVD) [m RKB]	2264.5
Maximum inclination [°]	1.9
Bottom hole temperature [°C]	74
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	HEIMDAL FM
Geodetic datum	ED50
NS degrees	59° 11' 36.95" N
EW degrees	1° 45' 42.69" E
NS UTM [m]	6562417.68
EW UTM [m]	429264.71
UTM zone	31
NPDID wellbore	4383

**Wellbore history****General**

The main objective of well 24/12-4 was to test the combined structural / stratigraphic trap and the hydrocarbon potential in the B-Prospect within PL 204. The Hermod Formation sandstone was the primary reservoir target, but in general terms the well should evaluate the petrophysical properties of the Sele, Hermod, Lista and Heimdal Formations.

Operations and results

Exploration well 24/12-4 was spudded with the semi-submersible installation "Byford Dolphin" on 31 August 2001 and drilled to TD at 2265 m in the Late Paleocene Heimdal Formation. The well was drilled with oil based "Novatec" mud. Sand sequences with good reservoir properties were found in the Hermod and Heimdal Formations, but all of these proved to be water bearing. As a result of water bearing reservoirs, a reduced data acquisition programme was performed. Only standard logs as gamma ray, resistivity, density, neutron and sonic were run in addition to a velocity survey (VSP). Formation pressures, fluid samples and core data were not collected in this well. The well was permanently abandoned as a dry well on 14 September 2001.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1020.00	2265.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
140	NORDLAND GP
465	UTSIRA FM
858	HORDALAND GP
1211	GRID FM
1415	NO FORMAL NAME
2077	ROGALAND GP
2077	BALDER FM
2121	SELE FM
2139	HERMOD FM



2207	LISTA FM
2224	HEIMDAL FM

Composite logs

Document name	Document format	Document size [MB]
4383	pdf	0.27

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

Document name	Document format	Document size [MB]
4383 24 12 4 COMPLETION LOG	.pdf	4.90
4383 24 12 4 COMPLETION REPORT	.PDF	1.71

Logs

Log type	Log top depth [m]	Log bottom depth [m]
ASI GR - VSP	603	1400
CSI GR - VSP	600	2260
MPR - GR RES DIR	197	1014
MPR LITE	1014	2265
PEX DSI	380	2266

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	197.5	36	200.0	0.00	LOT
SURF.COND.	13 3/8	1007.5	17 1/2	1010.0	1.65	LOT
OPEN HOLE		2265.0	8 1/2	2265.0	0.00	LOT

Drilling mud





Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
222	1.03			SEAWATER/CMC	
850	1.35	23.0		NOVATEC	
1014	1.03			SEAWATER/CMC	
1200	1.35	28.0		NOVATEC	
1850	1.35	25.0		NOVATEC	