

**General information**

Wellbore name	7122/7-5
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Well name	7122/7-5
Seismic location	inline 1548-crossline 2959(Survey Na01M1 3D)
Production licence	229
Drilling operator	Eni Norge AS
Drill permit	1125-L
Drilling facility	POLAR PIONEER
Drilling days	26
Entered date	28.11.2006
Completed date	23.12.2006
Release date	23.12.2008
Publication date	23.12.2008
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	370.0
Total depth (MD) [m RKB]	2228.0
Final vertical depth (TVD) [m RKB]	2227.0
Maximum inclination [°]	2.4
Bottom hole temperature [°C]	59
Oldest penetrated age	EARLY TRIASSIC
Oldest penetrated formation	KLAPPMYSS FM
Geodetic datum	ED50
NS degrees	71° 16' 24.7" N
EW degrees	22° 16' 40.43" E
NS UTM [m]	7908600.89
EW UTM [m]	545789.79
UTM zone	34
NPDID wellbore	5439

**Wellbore history**

The 7122/7-5 well was drilled as an exploration well on the Goliat West Prospect, a downthrown fault compartment compared to the proved hydrocarbon accumulations of Goliat. The purpose of the well was to investigate the hydrocarbon potential of the Early Jurassic/Late Triassic Kap Toscana Group, the Late Triassic Snadd Formation, and the Middle Triassic Kobbe Formation and into the Early Triassic Havert Formation.

Operations and results

Wildcat well 7122/7-5 was spudded with the semi-submersible installation Polar Pioneer on 28 November 2006 and drilled to TD at 2228 m. No significant technical problems were encountered during the operations. The well was drilled with sea water and hi-vis sweeps down to 1060 m. Formate mud previously used for drilling the 7122/7-1, -2, -3 and -4S was used from 1050 m to TD. The re-used formate mud was mixed with fresh formate mud in the proportion ca 1:2.

The top of the Kap Toscana reservoir was found at 1181 m as prognosed. The top Snadd Formation reservoir was encountered at 1281 m, 12 m deeper than the prognosis. The third reservoir, in the Kobbe Formation was found at 1868 m, 4m deeper than the prognosis. A fourth reservoir in the Klappmyss Formation was encountered at 2126 m, 43m deeper than prognosis. The reservoirs were not hydrocarbon bearing. Oil shows were recorded on cuttings and core chips from 1868 to 1910 m in the upper part of the Kobbe Formation; otherwise no shows were reported from the well.

One core was cut from 1900 to 1910.7 m in the Kobbe Formation. No wire line fluid samples were taken.

The well was plugged back to 995 m and abandoned on 23 December as a dry well. It was decided to drill a sidetrack (7122/7-5 A) in order to explore the potential of the Kobbe Formation on the east up thrown side of the fault.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1065.00	2228.00

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	1900.0	1910.8	[m]



Total core sample length [m]	10.8
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1900.6	[m]	C	ICHRON
1906.4	[m]	C	ICHRON
1909.8	[m]	C	ICHRON

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
394	NORDLAND GP
643	NYGRUNNEN GP
643	KVITING FM
655	ADVENTDALEN GP
655	KOLMULE FM
961	KOLJE FM
998	KNURR FM
1083	HEKKINGEN FM
1168	FUGLEN FM
1181	KAPP TOSCANA GP
1181	FRUHOLMEN FM
1281	SNADD FM
1868	SASSENDALEN GP
1868	KOBBE FM
2126	KLAPPMYSS FM

Composite logs

Document name	Document format	Document size [MB]
5439	pdf	0.32

Logs





Log type	Log top depth [m]	Log bottom depth [m]
MDT GR MSIP ACTS	1015	2224
MRLA TLD CNL GR ACTS	1015	2224
MWD - GR RES DIR PRESSURE	394	445
MWD - GR RES DIR PRESSURE	445	2222
MWD - GR RES SON DIR PRESSURE	445	1060

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	441.0	36	445.0	0.00	LOT
SURF.COND.	13 3/8	1015.0	17 1/2	1060.0	1.65	LOT
OPEN HOLE		2228.0	12 1/4	2228.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
445	1.03			SEAWATER	
893	1.03			SEAWATER	
1060	1.03			SEAWATER	
1060	1.17	8.0		NACL	
1060	1.17	8.0		NACL	
1070	1.25	13.0		NACL	
1475	1.25	12.0		FORMPRO	
1900	1.30	12.0		FORMPRO	
2111	1.30	13.0		FORMPRO	
2228	1.32	13.0		FORMPRO	

Thin sections at the Norwegian Offshore Directorate

Depth	Unit
1900.45	[m]
1902.26	[m]
1906.90	[m]
1908.75	[m]
1909.35	[m]

**Pressure plots**

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

Document name	Document format	Document size [MB]
5439 Formation pressure (Formasjonstrykk)	pdf	0.27

