

**General information**

Wellbore name	7122/7-5 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Field	GOLIAT
Discovery	7122/7-3
Well name	7122/7-5
Seismic location	inline 1579 & crossline 2978 (survey NA01M1 3D)
Production licence	229
Drilling operator	Eni Norge AS
Drill permit	1130-L
Drilling facility	POLAR PIONEER
Drilling days	22
Entered date	23.12.2006
Completed date	13.01.2007
Release date	13.01.2009
Publication date	09.03.2009
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	MIDDLE TRIASSIC
1st level with HC, formation	KOBBE FM
Kelly bushing elevation [m]	23.0
Water depth [m]	370.0
Total depth (MD) [m RKB]	2186.0
Final vertical depth (TVD) [m RKB]	1973.0
Maximum inclination [°]	46.1
Bottom hole temperature [°C]	51
Oldest penetrated age	MIDDLE TRIASSIC
Oldest penetrated formation	KOBBE 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	5465

Wellbore history

General

Well 7122/7-5 A is a side track to well 7122/7-5 well, which was as an exploration well on the Goliat West Prospect, a downthrown fault compartment compared to the proved hydrocarbon accumulations of Goliat. Well 7122/7-5 penetrated reservoirs in the Early Jurassic/Late Triassic Realgrunnen Group, the Late Triassic Snadd Formation, and the Middle Triassic Kobbe Formation and into the Early Triassic Havert Formation. All reservoirs were found water bearing. Sidetrack well 7122/7-5 A was drilled to explore the potential of the Kobbe Formation on the east up thrown side of the fault.

Operations and results

Well 7122/7-5 A was drilled with the semi-submersible installation Polar Pioneer. The well was kicked off below the 13 3/8" casing from 1075 m on 23 December 2006 and drilled to TD at 2186 m (1973 m TVD RKB) in the Middle Triassic Kobbe Formation. Some problems with the MWD and with tight hole were experienced. Formate mud previously used for drilling the 7122/7-1, -2, -3, -4S, and -5 was used from kick-off to TD.

Top Triassic was encountered at 1200 m. The top Snadd Formation was encountered at 1286 m, 4 m TVD deeper than prognosis. Top Kobbe Formation was encountered at 1844 m, with top of the oil-bearing reservoir at 1944 m (1761.8 m TVD MSL), 9.2 m TVD shallower than prognosis. The oil-water contact was interpreted to be at 2014 m (1817m MSL) based on intersecting oil and water gradients. No oil shows were observed above Kobbe level. Shows on cuttings were observed from 1940 m down to Total Depth at 2186 m.

No conventional cores were taken in the well. The MDT (Modular Dynamic Tester) was used for fluid sampling. Oil was sampled from the Kobbe reservoir at 1998.5 m, and at 1978.0 m.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1100.00	2186.00

Cuttings available for sampling?	YES
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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
1080	HEKKINGEN FM
1168	FUGLEN FM
1200	KAPP TOSCANA GP
1200	TUBÅEN FM
1218	FRUHOLMEN FM
1286	SNADD FM
1844	SASSEDALEN GP
1844	KOBBE FM

Composite logs

Document name	Document format	Document size [MB]
5465	pdf	0.24

Logs

Log type	Log top depth [m]	Log bottom depth [m]
AC HRLA TLD HGNS ECS HNGS	1985	2050
MDT GR PPC MSIP	1945	2033
MSCT GR	1940	2015
MWD - HR RES	1030	2186
VSP GR ACT	574	2060

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
INTERM.	9 5/8	1895.0	12 1/4	1907.0	1.73	LOT





OPEN HOLE		2186.0	8 1/2	2186.0	0.00	LOT
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Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1760	1.31	13.0		FORMPRO	
1839	1.31	15.0		FORMPRO	
2186	1.30	13.0		FORMPRO	
2186	0.00			SEAWATER	

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]
5465 Formation pressure (Formasjonstrykk)	pdf	0.28

