

**General information**

Wellbore name	7122/7-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Field	GOLIAT
Discovery	7122/7-1 Goliat
Well name	7122/7-1
Seismic location	Na9801 3D inline 710 & x-line 3000
Production licence	229
Drilling operator	Norsk Agip AS
Drill permit	986-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	20
Entered date	16.09.2000
Completed date	05.10.2000
Release date	05.10.2002
Publication date	11.02.2003
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	EARLY JURASSIC
1st level with HC, formation	TUBÅEN FM
Kelly bushing elevation [m]	24.0
Water depth [m]	381.0
Total depth (MD) [m RKB]	1524.0
Final vertical depth (TVD) [m RKB]	1522.6
Maximum inclination [°]	6.2
Bottom hole temperature [°C]	37
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	SNADD FM
Geodetic datum	ED50
NS degrees	71° 17' 10.93" N
EW degrees	22° 19' 7.02" E
NS UTM [m]	7910064.25



EW UTM [m]	547217.44
UTM zone	34
NPDID wellbore	4173

Wellbore history

General

Well 7122/7-1 was drilled as an exploration well on the Goliat prospect situated in the southeastern part of block 7122/7. The purpose of the well was to test the hydrocarbon potential of the sandstones of the Kapp Toscana Group in the Goliat prospect. The Goliat prospect is a faulted structural closure in the crestal part of a major Northeast-southwest trending roll-over anticline situated in the southeastern part of the Hammerfest Basin.

Operations and results

Exploration well 7122/7-1 was spudded on 16 September 2000 with the semi-submersible installation "Transocean Arctic" and drilled to TD at 1524 m RKB, 148 m into the Middle-Late Triassic Snadd Sandstone Formation. The well was drilled with Seawater and bentonite hi-vis pills down to 690 m, and with formate brine / XC polymer / PAC from 690 m to TD. The top of the main reservoir in the Kapp Toscana Group was found at 1102 m, 1 m below the prognosis. The reservoir was oil bearing. Free water level was found at 1146 m RKB based on the MDT pressure plot. Below this depth shows were moderate to poor. The Kapp Toscana Group proved very variable reservoir properties. Three cores were cut in the interval 1133 to 1178 m in the Kapp Toscana Group. The reservoir oil zone was sampled at 3 different depths by MDT sampling. Three monophasic bottom samples were collected together with one conventional bottom sample at each depth. The samples were transferred to Single-phase bottles at the rig site and transported to the PVT lab for analysis. The well was permanently abandoned on 5 October 2000 as an oil discovery.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
700.00	1524.00

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	1133.0	1133.9	[m]
2	1136.0	1151.0	[m]



3	1151.0	1178.5	[m]
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Total core sample length [m]	43.4
Cores available for sampling?	YES

Core photos

1133-1134m



1136-1141m



1141-1146m



1146-1151m



1151-1156m



1156-1161m



1161-1166m



1166-1171m



1171-1176m



1176-1178m



1176-1179m

Oil samples at the Norwegian Offshore Directorate

Test type	Bottle number	Top depth MD [m]	Bottom depth MD [m]	Fluid type	Test time	Samples available
DST	MDT-1	1114.40	0.00	OIL	30.09.2000 - 21:00	YES

Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
405	NORDLAND GP
473	SOTBAKKEN GP
473	TORSK FM
586	NYGRUNNEN GP
586	KVITING FM
635	ADVENTDALEN GP
635	KOLMULE FM
984	KNURR FM
1022	HEKKINGEN FM
1088	FUGLEN FM
1102	KAPP TOSCANA GP
1102	TUBÅEN FM
1125	FRUHOLMEN FM
1202	SNADD FM

Composite logs

Document name	Document format	Document size [MB]
4173	pdf	0.18

Geochemical information

Document name	Document format	Document size [MB]
4173_1	pdf	1.42
4173_2	pdf	5.05

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

Document name	Document format	Document size [MB]
4173_7122_7_1_COMPLETION_LOG	.pdf	1.33
4173_7122_7_1_COMPLETION_REPORT	.PDF	1.94

Logs





Log type	Log top depth [m]	Log bottom depth [m]
CMR	1070	1170
FMI7 DSI	1057	1524
HALS PEX	1057	1524
MDT	1102	1233
MDT	1233	0
MSCT	1070	1236
MWD MPR - GR DIR RES	483	690
MWD MPR - GR DIR RES	1063	1523
MWD MPR - GR DIR RES SONIC	693	1063
VSP	406	1460

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	478.0	36	481.0	0.00	LOT
SURF.COND.	20	680.0	26	688.0	1.56	LOT
INTERM.	9 5/8	1056.0	12 1/4	1063.0	2.27	LOT
OPEN HOLE		1524.0	8 1/2	1524.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
425	1.06	19.0		SW/BENTONITE	
910	1.06	16.0		SW/BENTONITE	
930	1.30	8.0		FORMATE/POLYMER	
935	1.25	8.0		FORMATE	
1063	1.30	10.0		FORMATE/POLYMER	
1109	1.26	11.0		FORMATE	
1133	1.30	11.0		FORMATE/POLYMER	
1151	1.30	10.0		FORMATE/POLYMER	
1418	1.26	17.0		FORMATE	
1486	1.31	10.0		FORMATE/POLYMER	



1524	1.31	10.0		FORMATE/POLYMER	
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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]
4173 Formation pressure (Formasjonstrykk)	pdf	0.21

