



General information





Wellbore name	7222/11-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Discovery	7222/11-2 (Langlitinden)
Well name	7222/11-2
Seismic location	SG9803STR09:inline 7325 & xline 6721
Production licence	659
Drilling operator	Det norske oljeselskap ASA
Drill permit	1488-L
Drilling facility	TRANSOCEAN BARENTS
Drilling days	45
Entered date	14.01.2014
Completed date	27.02.2014
Release date	27.02.2016
Publication date	27.02.2016
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	MIDDLE TRIASSIC
1st level with HC, formation	KOBBE FM
Kelly bushing elevation [m]	40.0
Water depth [m]	338.0
Total depth (MD) [m RKB]	2918.0
Final vertical depth (TVD) [m RKB]	2918.0
Maximum inclination [°]	1.1
Oldest penetrated age	EARLY TRIASSIC
Oldest penetrated formation	KLAPPMYSS FM
Geodetic datum	ED50
NS degrees	72° 6' 23.17" N
EW degrees	22° 36' 47.74" E
NS UTM [m]	8006502.24
EW UTM [m]	349675.60
UTM zone	35
NPDID wellbore	7317



Wellbore history

General

Well 7222/11-2 was drilled to test the Langlitinden prospect on the southeast end of the Loppa High in the Barents Sea. The well was drilled ca 6 km northeast of the 7222/11-1 Caurus gas discovery well. The primary objective was to explore a large seismic scale channel above a potential shutoff in the Kobbe Formation.

Operations and results

Wildcat well 7222/11-2 was spudded with the semi-submersible installation Transocean Barents on 14 January 2014 and drilled to TD at 2918 m in the Early Triassic Klappmyss Formation. A 9 7/8" pilot hole was drilled from the 30" conductor shoe due to reporting of residual oil and gas in the well 7222/11-1 between 748 m and 775 m MSL. No shallow gas was observed, and the pilot section was opened up to 26" before a 20" casing was ran and cemented. Stuck BHA was experienced near TD in the well, but otherwise no significant problem was encountered in the operations. The well was drilled with seawater and hi-vis pills down to 640 m and with Glydril mud from 640 m to TD.

A gas peak was recorded from a thin sand at 1765 in the Snadd Formation; otherwise, no hydrocarbon indications were seen above Kobbe Formation level. Oil was found in Kobbe low permeability sandstone, with oil shows on the core between 2099 and 2128 m. It was impossible to establish any pressure gradients or hydrocarbon contacts in the well. The main sand, a channel at 2102 to 2127 m, had 3.5 m net pay with 19.1% average core porosity and 0.5 mD permeability based on a in a mini-DST.

Three cores were cut from 2095 to 2258 m, recovering a total of 163.17 m core (100.1% recovery). MDT fluid samples were taken at 2107.2 m (oil) and 2124.5 m (oil).

The well was permanently abandoned on 27 February as a technical 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]
650.00	2918.00

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	2095.0	2149.1	[m]
2	2149.1	2204.7	[m]



3	2204.7	2258.8	[m]
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Total core sample length [m]	163.8
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
379	NORDLAND GP
379	NAUST FM
461	ADVENTDALEN GP
461	UNDIFFERENTIATED
487	KAPP TOSCANA GP
487	UNDIFFERENTIATED
628	FRUHOLMEN FM
672	SNADD FM
2023	SASSENDALEN GP
2023	KOBBE FM
2858	KLAPPMYSS FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
FMI DSI LEH	2040	2200
MDT DP GR	2107	2124
MDT GR	2096	2797
MWD-GR DI	378	442
MWD-GR RES ECD NEU DEN DI	2029	2918
MWD-GR RES NEU DEN SON DI	1150	2029
MWD-GR RES SON DI	442	1150
PEX HRLA HNGS CMR ECS	2288	2700
VSP GR	1229	2830

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	438.4	36	443.0	0.00	



SURF.COND.	20	636.3	26	640.0	0.00	
PILOT HOLE		640.0	9 7/8	640.0	0.00	
INTERM.	13 3/8	1143.3	17 1/2	1150.0	1.99	FIT
LINER	9 5/8	2028.0	12 1/4	2029.0	0.00	
OPEN HOLE		2918.0	8 1/2	2918.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
430	1.25	20.0		Glydril	
1150	1.32	19.0		Glydril	
1186	1.21	17.0		Glydril	
1875	1.25	19.0		Glydril	
2029	1.21	15.0		Glydril	
2167	1.21	14.0		Glydril	
2918	1.23	16.0		Glydril	
2918	1.25	16.0		Glydril	
2918	1.23	16.0		Glydril	
2918	1.25	16.0		Glydril	