

**General information**

Wellbore name	7318/12-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Well name	7318/12-2
Seismic location	3 D SWB 12 PSDM.inline 1837.crossline 12115
Production licence	716
Drilling operator	Eni Norge AS
Drill permit	1651-L
Drilling facility	SCARABEO 8
Drilling days	66
Entered date	13.01.2017
Completed date	22.03.2017
Release date	22.03.2019
Publication date	27.03.2019
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	34.0
Water depth [m]	418.0
Total depth (MD) [m RKB]	3535.0
Final vertical depth (TVD) [m RKB]	3535.0
Maximum inclination [°]	1.83
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	NORDMELA FM
Geodetic datum	ED50
NS degrees	73° 7' 46.18" N
EW degrees	18° 43' 5.74" E
NS UTM [m]	8118888.70
EW UTM [m]	620379.81
UTM zone	33
NPDID wellbore	8106



Wellbore history

General

The 7318/12-2 is the replacement well for the 7318/12-1 Bone' well, which was abandoned due to unacceptable inclination in the top hole. The well is located in the Bjørnøya Basin of the Barents Sea. The primary objective was to test the 'Bone prospect in the Jurassic Realgrunnen Subgroup. Secondary objectives were the Triassic Fruholmen and Snadd Formations, depending on a success in the primary objective.

Operations and results

Wildcat well 7318/12-2 was spudded with the semi-submersible installation Scarabeo 8 on 13 January 2017 and drilled to TD at 3535 m in the Early Jurassic Nordmela Formation. No significant problem was encountered in the operations. By far the largest contribution to NPT was waiting on weather (63.7% of NPT). The well was drilled with seawater and hi-vis bentonite pills down to 833 m, and with EMS 4600 oil-based mud from 833 m to TD.

The Stø Formation, of the Realgrunnen Subgroup, was penetrated at a depth of 3417 m, and was found to be a very tight sandstone, with very low porosity and permeability. It was dry. There were no oil shows above the OBM in the well and the only significant formation gas in the well was a 63.2% gas peak at 2674 m, believed to be related to a fault. Based on this result the well was not extended to test the secondary Triassic targets.

No cores were cut. MDT fluid samples were taken at 3429 m, the only point that gave a valid pressure measurement. The samples recovered drilling mud only. A single open hole wire line temperature was recorded and indicated a temperature of 133 °C at 3522 m.

The well was permanently abandoned on 22 March 2017 as a dry well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
840.00	3534.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
452	NORDLAND GP
452	NAUST FM



562	ADVENTDALEN GP
562	KOLMULE FM
2155	KOLJE FM
2550	KNURR FM
2864	HEKKINGEN FM
3380	FUGLEN FM
3417	KAPP TOSCANA GP
3417	STØ FM
3448	NORDMELA FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - ARC TELE	325	833
MWD - ARC TELE SONSC	383	835
MWD - PD ARC TELE SONSC	691	3057
MWD - PD GVR NEO SONSC TELE	3057	3476
MWD - TELE	56	508
PPC PQ SATURN PO IFA SC MS GR	3230	3522
USIT PPC CBL GR	1360	3047

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	36	499.0	42	508.0	0.00	
SURF.COND.	20	827.0	24	833.0	0.00	
PILOT HOLE		835.0	8 1/2	835.0	0.00	
		838.0		0.0	1.27	FIT
INTERM.	13 3/8	1517.7	17 1/2	1524.0	0.00	
		1527.0		0.0	1.36	FIT
LINER	9 5/8	3056.0	12 1/4	3057.0	0.00	
		3059.0		0.0	1.93	FIT
OPEN HOLE		3535.0	8 1/2	3535.0	0.00	

Drilling mud



Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
495	1.03	1.0		--	
833	1.03	1.0		--	
833	1.30	22.0		--	
838	1.10	14.0		OB	
1238	1.14	18.0		OB	
1524	1.22	16.0		OB	
1524	1.14	18.0		OB	
1740	1.22	14.0		OB	
2017	1.20	15.0		OB	
2898	1.20	15.0		OB	
3126	1.22	16.0		OB	
3241	1.21	15.0		OB	
3354	1.22	15.0		OB	
3525	1.14	13.0		OB	
3525	1.22	17.0		OB	
3535	1.03	1.0		--	