

**General information**

Wellbore name	7219/12-2 A
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	7219/12-2
Seismic location	WG0901: inlin 1330 Crossline 2578
Production licence	533
Drilling operator	Lundin Norway AS
Drill permit	1677-L
Drilling facility	LEIV EIRIKSSON
Drilling days	23
Entered date	08.11.2017
Completed date	30.11.2017
Release date	30.11.2019
Publication date	30.11.2019
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	337.0
Total depth (MD) [m RKB]	1903.0
Final vertical depth (TVD) [m RKB]	1643.0
Maximum inclination [°]	50.3
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	NORDMELA FM
Geodetic datum	ED50
NS degrees	72° 5' 12.66" N
EW degrees	19° 59' 10.01" E
NS UTM [m]	8005923.36
EW UTM [m]	671004.98
UTM zone	33
NPDID wellbore	8312



Wellbore history

General

Well 7219/12-2 A is a geological side-track to 7219/12-2 S. It was drilled to further evaluate the hydrocarbon potential in the Hufsa prospect on the western margin of the Polhem sub-platform in the Barents Sea. The primary objective of the side-track was to test the Stø Formation, which was not present in the primary well.

Operations and results

Wildcat well 7219/12-2 A kicked off from 673 m in wellbore 7219/12-2 S on 8 November 2017. It was drilled with the semi-submersible installation Leiv Eiriksson to TD at 1903 m (1643 m TVD) in the Early Jurassic Nordmela Formation. Operations proceeded without significant problems. The well was drilled with KCl/Polymer/GEM mud down to 1544 m and with Performadril mud with glycol from 1544 m to TD.

The Stø Formation was penetrated from 1618 m (1413 m TVD) to top Nordmela Formation at 1813 m (1563 m TVD). The Stø Formation had good reservoir quality but proved to be water-bearing. Two good pressure points acquired on MDT, one in Stø and one in Nordmela, fell on the same water gradient as below the GWC in Nordmela in well 7219/12-2 S. Very weak traces of shows (only weak fluorescent residue: no stain or odour, no direct fluorescence, no cut fluorescence) were described on the core in 7219/12-2 A, mainly in the interval 1631 to 1654 m. These were the only shows in the well. Gas levels were low.

One core was cut from 1622 to 1674.8 m with 99% recovery. No fluid sample was taken.

The well was permanently abandoned on 30 November 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]
680.00	1903.00

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	1622.0	1675.2	[m]

Total core sample length [m]	53.2
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Cores available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
363	NORDLAND GP
363	NAUST FM
484	SOTBAKKEN GP
484	TORSK FM
1602	ADVENTDALEN GP
1602	KOLMULE FM
1608	KOLJE FM
1616	FUGLEN FM
1618	KAPP TOSCANA GP
1618	STØ FM
1813	NORDMELA FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
FMI MSIP	1233	1903
LWD - RES GR PWD CAL DEN NEU AC	1675	1903
LWD - RES ICL GR CAL DEN NEU AC	673	1544
LWD - RES INC GR PWD DIR	1544	1622
XPT HRLA PEX HNGS ECS	1534	1898

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	428.7	36	429.7	0.00	
PILOT HOLE		506.0	9 7/8	0.0	0.00	
SURF.COND.	20	652.2	26	660.0	1.39	LOT
		665.0	17 1/2	665.0	0.00	
INTERM.	9 5/8	1534.0	12 1/4	1544.0	1.96	LOT
OPEN HOLE		1903.0	8 1/2	1903.0	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		Sea water	
495	1.22	20.0		Performadril	
500	1.22	22.0		Performadril	
657	1.20	21.0		Performadril	
683	1.21	21.0		Performadril	
736	1.20	20.0		Performadril	
1315	1.21	23.0		Performadril	
1334	1.20	23.0		Performadril	
1334	1.23	24.0		Performadril	
1424	1.20	34.0		Performadril	
1488	1.23	23.0		Performadril	
1510	1.20	30.0		Performadril	
1533	1.23	24.0		Performadril	
1544	1.20	26.0		Performadril	
1544	1.23	27.0		Performadril	
1557	1.23	23.0		Performadril	
1903	1.23	27.0		Performadril	