



## General information

Wellbore name	7221/12-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	<a href="#">link to press release</a>
Factmaps in new window	<a href="#">link to map</a>
Main area	BARENTS SEA
Discovery	<a href="#">7221/12-1 (Svanefjell)</a>
Well name	7221/12-1
Seismic location	EASTLOPPA_SG9803STR09_MERGE_T inline3321 Xline8509
Production licence	<a href="#">659</a>
Drilling operator	Aker BP ASA
Drill permit	1696-L
Drilling facility	<a href="#">DEEPSEA STAVANGER</a>
Drilling days	22
Entered date	04.05.2018
Completed date	25.05.2018
Plugged and abandon date	25.05.2018
Release date	03.02.2019
Publication date	13.05.2019
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS
Discovery wellbore	YES
1st level with HC, age	LATE TRIASSIC
1st level with HC, formation	SNADD FM
Kelly bushing elevation [m]	30.0
Water depth [m]	346.0
Total depth (MD) [m RKB]	724.0
Final vertical depth (TVD) [m RKB]	724.0
Maximum inclination [°]	1.63
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SNADD FM
Geodetic datum	ED50
NS degrees	72° 8' 18.68" N
EW degrees	21° 55' 50.32" E
NS UTM [m]	8011907.49



EW UTM [m]	326631.20
UTM zone	35
NPDID wellbore	8441

## Wellbore history

### General

Well 7221/12-1 was drilled to test the Svanefjell prospect on the south-eastern part of the Loppa High in the Barents Sea. The primary objective was to prove presence of moveable hydrocarbons in the Late Triassic Snadd Formation.

### Operations and results

Wildcat well 7221/12-1 was spudded with the semi-submersible installation Deepsea Stavanger on 4 May 2018 and drilled to TD at 724 m in the Late Triassic Snadd Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 560 m and with 1.12 sg water-based mud from 560 m to TD.

The Snadd Formation was encountered at 570 m and extended to well TD. There was a total gas column of 15 m in the uppermost part of the Snadd Formation of which about 9 m was in sandstones with moderately to good reservoir quality. The gas-water contact is placed at ca 585 m. Generally uniform shows were described on cuttings and cores from 574 m to about 600 m: no odour, no stain, excellent dull to bright yellow direct fluorescence, fast to moderate blooming-streaming cut fluorescence, bluish white even fluorescence residue. From 602 m down to 618 m the shows become more heterogenous, but often with odour and stain. Weaker shows were recorded down to 665 m, and no shows from there to TD.

Two cores were cut in succession from 574 to 626.47 m with 100% total recovery. MDT gas samples were obtained from depths 564.5 m, 571.1 m, and 582.5 m. All samples contained dry gas with more than 96% Methane, less than 0.8% N<sub>2</sub>, less than 0.03% CO<sub>2</sub> and the rest C<sub>2</sub>+ hydrocarbon gases. Water samples were collected from depths 589.3 m and 604.5 m

The well was permanently abandoned on 25 May 2018 as a small gas discovery.

### Testing

No drill stem test was performed.

## Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
566.00	724.00

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	574.0	601.5	[m ]
2	601.5	626.5	[m ]

Total core sample length [m]	52.5
Cores available for sampling?	YES

**Lithostratigraphy**

Top depth [mMD RKB]	Lithostrat. unit
376	<a href="#">NORDLAND GP</a>
452	<a href="#">ADVENTDALEN GP</a>
467	<a href="#">KAPP TOSCANA GP</a>
525	<a href="#">FRUHOLMEN FM</a>
570	<a href="#">SNADD FM</a>

**Logs**

Log type	Log top depth [m]	Log bottom depth [m]
CBL	0	0
FLUID SAMP	569	604
FMIHD GR	560	600
IMG SON RES DEN NEU SP GR	569	724
LWD - DIR	376	427
LWD - DIR PWD GR	427	564
LWD - DIR PWD GR RES	564	574
LWD - DIR PWD GR RES DEN NEU	564	724
LWD - DIR PWD GR RES DEN NEU SON	376	566
MDT MF	568	568
PM RES LITHO	569	724
VSI4 GR	400	720

**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	425.0	36	427.3	0.00	
INTERM.	13 3/8	558.6	17 1/2	564.5	1.56	FIT
PILOT HOLE		566.0	9 7/8	566.0	0.00	
OPEN HOLE		724.0	8 1/2	724.0	0.00	

**Drilling mud**

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
450	1.15			Water	
450	1.14			Water	
540	1.12			Water	
564	1.12			Water	
724	1.12			Water	
724	1.13			Water	