

**General information**

Wellbore name	34/8-19 S
Type	EXPLORATION
Purpose	WILDCAT
Status	PLUGGED
Press release	<a href="#">link to press release</a>
Factmaps in new window	<a href="#">link to map</a>
Main area	NORTH SEA
Well name	34/8-19
Seismic location	ST15003D15. IL2541/XL1559. IL2552/XL1576
Production licence	<a href="#">120</a>
Drilling operator	Equinor Energy AS
Drill permit	1692-L
Drilling facility	<a href="#">DEEPSEA ATLANTIC</a>
Drilling days	9
Entered date	12.06.2018
Completed date	20.06.2018
Release date	20.06.2020
Publication date	20.06.2020
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	30.0
Water depth [m]	378.0
Total depth (MD) [m RKB]	6100.0
Final vertical depth (TVD) [m RKB]	3145.5
Maximum inclination [°]	89.5
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	AMUNDSEN FM
Geodetic datum	ED50
NS degrees	61° 26' 6.84" N
EW degrees	2° 35' 24.37" E
NS UTM [m]	6811498.32
EW UTM [m]	478133.35
UTM zone	31
NPDID wellbore	8396

## Wellbore history

### General

Well 34/8-19 S was drilled to test the Aegir prospect on the northern part of the Visund field in the North Sea. The primary objective was to test sandstones in the Early Jurassic Cook Formation and Late Triassic Statfjord Group, below the main Brent Group reservoir of the Visund Field. The well is a side-track from development well 34/8-D-4AH.

### Operations and results

Wildcat well 34/8-19 S was kicked off at 4735 m (2945 m TVD) in development wellbore 34/8-D-4AH on 12 June 2018. It was drilled with the semi-submersible installation Deepsea Atlantic as a 6" hole to TD at 6100 m (3145.5 m TVD) in the Early Jurassic Amundsen Formation. Operations proceeded without significant problems. The well was drilled with Delta-Teq oil-based mud from kick-off to TD.

Claystones of the Dunlin Group, Drake Formation was encountered at 5472 m (2960 m TVD). The Cook Formation was interbedded within the Drake Formation claystones, and was penetrated twice, from 5582 to 5627 m (2966 to 2971 m TVD), and from 5738 to 5893 m (2993 to 3045 m TVD). About 22 metres were effective reservoir consisting of sandstone with mainly moderate to good reservoir quality. The lower Cook sand rested directly on sandstones belonging to the Amundsen Formation. Both the Cook and Amundsen formation sandstones were water wet. No shows are reported from the wellbore.

No cores were cut. No fluid sample was taken.

Due to technical drilling challenges, the well was not drilled to the second exploration target in the Statfjord group. The well was permanently abandoned on 20 June 2018 as a dry well.

### Testing

No drill stem test was performed.

## Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
408	<a href="#">NORDLAND GP</a>
1037	<a href="#">UTSIRA FM</a>
1195	<a href="#">HORDALAND GP</a>
1846	<a href="#">ROGALAND GP</a>
1846	<a href="#">BALDER FM</a>
1889	<a href="#">SELE FM</a>
1912	<a href="#">LISTA FM</a>
2050	<a href="#">SHETLAND GP</a>

3101	<a href="#">CROMER KNOLL GP</a>
3108	<a href="#">VIKING GP</a>
3108	<a href="#">DRAUPNE FM</a>
3112	<a href="#">BRENT GP</a>
3199	<a href="#">DUNLIN GP</a>
3199	<a href="#">DRAKE FM</a>
3671	<a href="#">COOK FM</a>
3943	<a href="#">DRAKE FM</a>
3986	<a href="#">BRENT GP</a>
5472	<a href="#">DUNLIN GP</a>
5472	<a href="#">DRAKE FM</a>
5582	<a href="#">COOK FM</a>
5672	<a href="#">DRAKE FM</a>
5738	<a href="#">COOK FM</a>
5893	<a href="#">AMUNDSEN FM</a>

## Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - GR RES	461	3012
MWD LWD - GR RES ECD CAL DEN NEU	2925	4653

## 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
	7	4734.1	8 1/2	4735.0	1.80	FIT
		6100.0	6	6100.0	0.00	

## Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
4684	1.65	40.0		Delta-Teq	
4684	1.58	20.0		Delta-Teq	
4800	1.58	20.0		Delta-Teq	
4961	1.62	38.0		Delta-Teq	
5027	1.56	34.0		Delta-Teq	

5027	1.63	39.0		Delta-Teq	
5102	1.63	31.0		Delta-Teq	
5448	1.63	31.0		Delta-Teq	
5736	1.63	35.0		Delta-Teq	
6100	1.63	43.0		Delta-Teq	