

**General information**

Wellbore name	7322/7-1
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	7322/7-1
Seismic location	WG1301CER17B. Inline 8275. Crossline 13100
Production licence	852
Drilling operator	Spirit Energy Norge AS
Drill permit	1710-L
Drilling facility	ISLAND INNOVATOR
Drilling days	21
Entered date	21.07.2018
Completed date	11.08.2018
Plugged and abandon date	11.08.2018
Release date	11.08.2020
Publication date	11.08.2020
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	30.0
Water depth [m]	454.0
Total depth (MD) [m RKB]	797.0
Final vertical depth (TVD) [m RKB]	797.0
Maximum inclination [°]	1.2
Oldest penetrated age	EARLY CRETACEOUS
Oldest penetrated formation	KOLJE FM
Geodetic datum	ED50
NS degrees	73° 24' 48.35" N
EW degrees	22° 2' 22.18" E
NS UTM [m]	8153381.12
EW UTM [m]	342100.05
UTM zone	35
NPDID wellbore	8498



Wellbore history

General

Well 7322/7-1 was drilled to test the Scarecrow prospect on the eastern shoulder of the Fingerdjupet Sub-basin in the Barents Sea. The primary objective was to evaluate the hydrocarbon potential in shallow buried Early Cretaceous reservoirs. The Scarecrow play model had not previously been tested in the area and carried large uncertainties.

Operations and results

Wildcat well 7322/7-1 was spudded with the semi-submersible installation Island Innovator on 21 July 2018. An 8 1/2" pilot hole was drilled from the 30" conductor shoe (494.5 m) to 646 m to check for shallow gas and for data acquisition. A riserless mud return system was used (RMR) in the pilot, and this enabled sampling of cuttings and recording of drill gas. Also, a seismic while-drilling tool was used in the pilot hole, mainly to reduce the depth uncertainty to the Top Kolje Formation with potential reservoir. No shallow gas was detected. The pilot hole was logged and opened up to a 17 1/2 section and drilling commenced to TD at 797 m in the Early Cretaceous Kolje Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 495 m, while the pilot and main well was drilled with Glydril mud from 495 m to TD.

Top Kolje Formation was encountered at 661 m. The prognosed reservoir interval was encountered at 677 m and consists of claystone and siltstone with minor limestone interbeds. Based on biostratigraphy it is interpreted to be part of the Kolje Formation. An increase in drill gas was observed when drilling into this section, otherwise there were no oil shows (fluorescence) or other hydrocarbon indications in the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 11 August 2018 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]
499.00	797.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
484	NORDLAND GP



484	NAUST FM
540	ADVENTDALEN GP
540	KOLMULE FM
661	KOLJE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
FMI	646	797
LWD - DI GR RES	496	632
LWD - DI GR RES DEN NEU CAL	646	797
LWD - DI GR RES DEN NEU SEIS	496	642
MSCT	646	797
VSI	492	797
ZAIT PPC MSIP PPC	484	646
ZAIT PPC MSIP PPC HNGS	642	797

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	494.5	36	496.0	0.00	
INTERM.	13 3/8	642.0	17 1/2	644.0	1.48	FIT
PILOT HOLE		646.0	8 1/2	646.0	0.00	
OPEN HOLE		797.0	8 1/2	797.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
498	1.19	14.0		Glydrill	
646	1.19	14.0		Glydrill	
797	1.19	11.0		Glydrill	