



General information

Wellbore name	7132/2-1
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	7132/2-1
Seismic location	ST-14004. Inline: 5839. Xline: 15483
Production licence	857
Drilling operator	Equinor Energy AS
Drill permit	1740-L
Drilling facility	WEST HERCULES
Drilling days	16
Entered date	01.01.2019
Completed date	09.02.2019
Plugged and abandon date	09.02.2019
Release date	01.07.2020
Publication date	03.05.2021
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	31.0
Water depth [m]	293.0
Total depth (MD) [m RKB]	883.0
Final vertical depth (TVD) [m RKB]	883.0
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SNADD FM
Geodetic datum	ED50
NS degrees	71° 51' 55.88" N
EW degrees	32° 25' 56.4" E
NS UTM [m]	7974242.39
EW UTM [m]	480278.88
UTM zone	36
NPDID wellbore	8629



Wellbore history

General

Well 7132/2-1 was drilled to test the Gjøkåsen prospect on the Signalhornet Dome on the Finmark Platform in the Barents Sea. This part of the Barents Sea is a frontier exploration area, the nearest offset well is approximately 60 km away. The Gjøkåsen prospect is located approximately 55 km West of the Russian border and 150 km North of the coast of Norway. The primary exploration target for the well was to prove petroleum in reservoir rocks from the Middle and Early Jurassic Age (the Stø, Nordmela, Tubåen and Fruholmen formation). The secondary exploration target was reservoir rocks from the Early Cretaceous and Late Triassic Age (upper part of the Snadd formation).

Operations and results

A pilot well 7132/2-U-1 was spudded on the 30th of December 2018 and drilled to 601.4m MD (600.3m TVD RKB) within the Kolmule Formation. The pilot well confirmed that no shallow gas or reservoirs were present, and that the main well would have the required operational safety margins to drill as planned.

Wildcat well 7132/2-1 was spudded with the semi-submersible installation West Hercules on 1 January 2019 and drilled to TD at 883 m in the Late Triassic Snadd Formation. The top holes on 7132/2-1 and the nearby 7132/2-2 were batch drilled for more efficient operations and save time on running BOP. Hence, operations on 7132/2-1 was suspended at 600 m between 5 and 14 January before drilling could commence with the 12 ¼" section. Operations proceeded without significant problems. The well was drilled with seawater down to 600 m and with KCl/Polymer/GEM mud from 600 m to TD.

In the primary exploration target, well 7132/2-1 encountered about 8 metres of sandstone reservoir with good reservoir quality in the Stø Formation. In the Nordmela, Tubåen and Fruholmen formations, the well encountered about 32 metres of sandstone reservoir with good to very good reservoir quality. No reservoir rocks were encountered in the secondary exploration target in the Early Cretaceous. In the upper part of the Snadd formation, the well encountered a water-filled sandstone reservoir totalling about 30 metres with moderate to good reservoir quality. The well was dry without oil shows on cuttings or core. The highest gas value was measured at 660m MD, with 1.34%, from the top Hekkingen Formation.

One core was cut from 705 to 722.8 m with 12.47 m recovery (70.1%) in the Stø and Nordmela formations. 10 good XPT pressure points were acquired, but no fluid sample was taken. Maximum pore pressure was 84.07 bar (1.04 g/cc) at 824.5 m.

The well was permanently abandoned on 9 February 2019 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]
603.00	883.00

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	705.0	717.5	[m]

Total core sample length [m]	12.5
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
603.0	[m]	DC	CGG
609.0	[m]	DC	CGG
615.0	[m]	DC	CGG
621.0	[m]	DC	CGG
627.0	[m]	DC	CGG
633.0	[m]	DC	CGG
639.0	[m]	DC	CGG
645.0	[m]	DC	CGG
651.0	[m]	DC	CGG
657.0	[m]	DC	CGG
660.0	[m]	DC	CGG
663.0	[m]	DC	CGG
669.0	[m]	DC	CGG
673.0	[m]	DC	CGG
679.0	[m]	DC	CGG
685.0	[m]	DC	CGG
688.0	[m]	DC	CGG
691.0	[m]	DC	CGG
694.0	[m]	DC	CGG
697.0	[m]	DC	CGG
700.0	[m]	DC	CGG
703.0	[m]	DC	CGG
706.0	[m]	DC	CGG
707.5	[m]	C	CGG
709.8	[m]	C	CGG
711.3	[m]	C	CGG



715.5 [m]	C	CGG
717.4 [m]	C	CGG
724.0 [m]	DC	CGG
727.0 [m]	DC	CGG
730.0 [m]	DC	CGG
736.0 [m]	DC	CGG
742.0 [m]	DC	CGG
748.0 [m]	DC	CGG
754.0 [m]	DC	CGG
760.0 [m]	DC	CGG
766.0 [m]	DC	CGG
772.0 [m]	DC	CGG
778.0 [m]	DC	CGG
784.0 [m]	DC	CGG
790.0 [m]	DC	CGG
796.0 [m]	DC	CGG
802.0 [m]	DC	CGG
808.0 [m]	DC	CGG
814.0 [m]	DC	CGG
820.0 [m]	DC	CGG
826.0 [m]	DC	CGG
832.0 [m]	DC	CGG
838.0 [m]	DC	CGG
844.0 [m]	DC	CGG
850.0 [m]	DC	CGG
856.0 [m]	DC	CGG
862.0 [m]	DC	CGG
868.0 [m]	DC	CGG
874.0 [m]	DC	CGG
880.0 [m]	DC	CGG
883.0 [m]	DC	CGG

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
324	NORDLAND GP
324	NAUST FM
345	ADVENTDALEN GP
345	KOLMULE FM



654	KLIPPFISK FM
662	HEKKINGEN FM
687	FUGLEN FM
701	KAPP TOSCANA GP
701	STØ FM
709	NORDMELA FM
720	FRUHOLMEN FM
779	SNADD FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
HRLA HNGS ECS PEX	670	883
MDT CMR	670	883
MSIP FMI	306	883
MWD LWD - ARC TELE	377	600
MWD LWD - GVR ARC TELE	671	705
MWD LWD - GVR ARC TELE	722	883
MWD LWD - GVR ARC TELE ADNVIS	600	671
MWD LWD - TELE 900	324	377
VSI4	306	883
XLR	676	767
XLR	676	676

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	373.9	42	374.0	0.00	
INTERM.	13 3/8	595.0	17 1/2	600.0	1.40	FIT
INTERM.	9 5/8	670.0	12 1/4	671.0	1.54	FIT
OPEN HOLE		833.0	8 1/2	833.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
378	1.20	18.0		KCl/Polymer/GEM	



600	1.35	25.0		KCl/Polymer/GEM	
600	1.14	15.0		KCl/Polymer/GEM	
671	1.16	15.0		KCl/Polymer/GEM	
671	1.21	16.0		KCl/Polymer/GEM	
705	1.21	17.0		KCl/Polymer/GEM	
883	1.21	18.0		KCl/Polymer/GEM	