



Generell informasjon

Brønnbane navn	7321/8-2 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7321/8-2
Seismisk lokalisering	WG1301CER17B. Inline 8645. Crossline 11949
Utvinningstillatelse	719
Boreoperatør	Spirit Energy Norway AS
Boretillatelse	1817-L
Boreinnretning	LEIV EIRIKSSON
Boredager	31
Borestart	01.06.2020
Boreslutt	01.07.2020
Plugget og forlatt dato	01.07.2020
Frigitt dato	19.03.2021
Publiseringsdato	30.04.2021
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	466.0
Totalt målt dybde (MD) [m RKB]	1899.0
Totalt vertikalt dybde (TVD) [m RKB]	1802.0
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SNADD FM
Geodetisk datum	ED50
NS grader	73° 22' 25.61" N
ØV grader	21° 35' 11.54" E
NS UTM [m]	8150225.58
ØV UTM [m]	327316.09
UTM sone	35
NPDID for brønnbanen	9050



Brønnhistorie

General

Well 7321/8-2 S was drilled to test the Sandia prospect in the Fingerdjupet Basin in the Barents Sea. The primary objective was to penetrate the Realgrunnen- and Storfjorden Subgroup (uppermost Snadd Formation) to determine hydrocarbon content and assess the reservoir thickness and properties. The secondary objective was data acquisition to improve understanding of potential reservoir rocks in the Early Cretaceous (the "Scarecrow" unit in the Kolje Formation).

Operations and results

A 9 7/8 pilot hole 7321/8-U-1 was spudded 15 m away from the main bore location and drilled to planned 13 3/8" casing at 825 m. No shallow gas was observed.

Wildcat well 7321/8-2 S was spudded with the semi-submersible installation Leiv Eiriksson on 1 June 2020 and drilled to 1095 m where severe losses occurred, and the well was plugged back and side-tracked from kick-off at 825 m (7321/8-2 ST2). Losses occurred again at 1165 m. This was cured by LCM and cement. Drilling proceeded with reduced mud weight, but still with losses, to final TD at 1899 m (1901.6 m TVD) in the Late Triassic Snadd Formation. The well was drilled with seawater and hi-vis pills down to 820 m and with Glydril mud from 820 m to TD.

The well was dry. The "Scarecrow" siltstone interval within the Kolje Formation was penetrated from 870 to 966 m had high drill gas levels. Only very weak hydrocarbon shows were observed in the Stø Formation and the Reke Member of the Fruholmen Formation, typically described as "No odour, no stain, no direct fluorescence, very slow blooming dull blue-white fluorescent cut, no visible cut, dull yellow fluorescent residual ring, no visible residue".

No cores were cut. A reduced wireline logging was conducted. MDT pressures were recorded, but no fluid sample was taken.

The well was permanently abandoned on 1 July 2020 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
830.00	1090.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
491	NORDLAND GP
491	NAUST FM
528	ADVENTDALEN GP
528	KOLMULE FM
848	KOLJE FM
870	UNDIFFERENTIATED
966	UNDIFFERENTIATED
1502	KNURR FM
1532	KLIPPFISK FM
1558	HEKKINGEN FM
1610	FUGLEN FM
1621	KAPP TOSCANA GP
1621	STØ FM
1657	NORDMELA FM
1665	FRUHOLMEN FM
1665	REKE MBR
1728	UNDIFFERENTIATED
1788	SNADD FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - DI	490	553
LWD - PWD RES GR DI	825	1556
LWD - PWD RES GR DI NEU DEN SON	820	1095
PQ HY	0	0
PWD RES GR DI	553	820
ZAIP MSIP PEX	0	0

Foringsrør og formasjonsstyrketester

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	36	553.5	42	553.5	0.00	
SURF.COND.	20	820.0	17 1/2	814.3	1.39	FIT
INTERM.	9 5/8	1556.0	12 1/4	1553.0	1.25	FIT



OPEN HOLE		1899.0	8 1/2	1899.0	0.00	
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