



Generell informasjon

Brønnbane navn	7122/6-3 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Funn	7122/6-3 S (Rødhette)
Brønn navn	7122/6-3
Seismisk lokalisering	ST17M04 Inline: 2539 Crossline: 4943
Utvinningstillatelse	901
Boreoperatør	Vår Energi AS
Boretillatelse	1869-L
Boreinnretning	SCARABEO 8
Boredager	25
Borestart	16.09.2021
Boreslutt	10.10.2021
Plugget og forlatt dato	10.10.2021
Frigitt dato	10.10.2023
Publiseringsdato	12.09.2023
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EARLY/MID JURASSIC
1. nivå med hydrokarboner, formasjon.	STØ FM
Avstand, boredekk - midlere havflate [m]	34.0
Vanndybde ved midlere havflate [m]	427.0
Totalt målt dybde (MD) [m RKB]	2015.0
Totalt vertikalt dybde (TVD) [m RKB]	2004.0
Maks inklinasjon [°]	10.5
Temperatur ved bunn av brønnbanen [°C]	70
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	FRUHOLMEN FM
Geodetisk datum	ED50



NS grader	71° 31' 34.93" N
ØV grader	22° 44' 49.03" E
NS UTM [m]	7937212.61
ØV UTM [m]	561778.56
UTM sone	34
NPDID for brønnbanen	9388

Brønnhistorie

General

Well 7122/6-3 S was drilled to test the R dhetta prospect in the Hammerfest Basin in the Barents Sea. The primary objective was to prove minimum commercial oil volumes in the Jurassic age Realgrunnen Subgroup, including determination of HC contacts.

Operations and results

A pilot well 7122/6_U_1 was drilled down to 1015 m to confirm competent casing point for the mainbore surface casing.

Wildcat well 7122/6-3 S was spudded with the semi-submersible installation Scarabeo 8 on 16 September 2021 and drilled to TD at 2015 m (2004 m TVD) in the Triassic Fruholmen Formation. The well was drilled vertical down to 1300 m and deviated from there to TD with a sail angle of ca 10°. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1002 m and with Glydril mud from 1002 m to TD.

Top of the target Realgrunnen Subgroup, St Formation was found at 1891 m. The St, Nordmela and Tuben formations were hydrocarbon bearing with a wet gas cap over oil. The gas-oil contact was determined at 1909.0 m (1899.7 m TVD) and oil was found down to a FWL at 1919.3 m (1909.8 m TVD). The reservoir quality was fair to good with porosities from 17 to 27% in the cleanest and best water bearing sands in the Fruholmen Formation. There is vertical communication across the St and Fruholmen formations.

Two cores were cut in succession from 1898 to 1927 m in the St, Nordmela, Tuben and Fruholmen formations. Recovery was 92% for core 1 and 100% for core 2. Oil samples were taken at 1911.5 m. Wet gas was sampled at 1899.19 m. Water samples were taken at 1920.8 m and 1939.79 m.

The well was permanently abandoned on 10 October 2021 as an oil and gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1010.00	2015.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1898.0	1913.6	[m]
2	1915.0	1927.0	[m]

Total kjerneprøve lengde [m]	27.6
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
461	NORDLAND GP
815	NYGRUNNEN GP
815	KVEITE FM
852	ADVENTDALEN GP
852	KOLMULE FM
1583	KOLJE FM
1767	KNURR FM
1834	HEKKINGEN FM
1891	REALGRUNNEN SUBGP
1891	KAPP TOSCANA GP
1891	STØ FM
1905	NORDMELA FM
1908	TUBÅEN FM
1921	FRUHOLMEN FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - ARC TELE	529	1829
LWD - CORE1	1898	1915
LWD - CORE2	1915	1927
LWD - GVR ARC ROS	1829	1898
LWD - GVR ECO ROS	1927	2015
LWD - TELE	461	529



MDT CMR HNGS JAR	1987	2015
MDT JAR	1920	1899
USIT CBL	1301	1819
XPT MAST HRLT PEX JAR	1796	1995

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
INTERM.	30	521.0	36	529.0	0.00	
INTERM.	13 3/8	997.0	17 1/2	1005.0	1.49	FIT
INTERM.	9 5/8	1827.0	12 1/4	1832.0	1.70	FIT
OPEN HOLE		2015.0	8 1/2	2015.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1136	1.25	12.0	9.9	KC	
1810	1.30	13.0	9.9	KC	
1829	1.30	13.0	8.4	KC	
1998	1.30	12.0	9.9	KC	
2015	1.30	11.0	10.7	KC	