



Generell informasjon

Brønnbane navn	7121/8-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Funn	7121/8-1 (Blåmann)
Brønn navn	7121/8-1
Seismisk lokalisering	ST05M09: Inline 1823. X-line 1607
Utvinningstillatelse	849
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1657-L
Boreinnretning	SONGA ENABLER
Boredager	27
Borestart	22.05.2017
Boreslutt	15.07.2017
Frigitt dato	20.06.2018
Publiseringsdato	01.04.2019
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	STØ FM
Avstand, boredekk - midlere havflate [m]	32.0
Vanndybde ved midlere havflate [m]	376.0
Totalt målt dybde (MD) [m RKB]	2260.0
Totalt vertikalt dybde (TVD) [m RKB]	2260.0
Maks inklinasjon [°]	0.9
Temperatur ved bunn av brønnbanen [°C]	79
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SNADD FM
Geodetisk datum	ED50
NS grader	71° 25' 43.88" N



ØV grader	21° 38' 26.56" E
NS UTM [m]	7925563.16
ØV UTM [m]	522775.62
UTM sone	34
NPDID for brønnbanen	8159

Brønnhistorie

General

Well 7121/8-1 was drilled to test the Blåmann prospect in the Hammerfest Basin of the Barents Sea. The primary objective was to test the hydrocarbon potential of the Jurassic Stø Formation, secondary to test the hydrocarbon potential of the Fruholmen/Snadd formations.

Operations and results

Wildcat well 7121/8-1 was spudded with the semi-submersible installation Songa Enabler on 22 May 2017 and drilled to TD at 2260 m in the Late Triassic Snadd Formation. Well was temporarily abandoned on 3 June 2017 after finishing the 12 1/4" section at 1781 m in the Knurr Formation. This was due to the legal dispute over the Cap-X technology. Partnership decided that the most efficient use of resources was to temporarily P&A the well and move to 7219/9-2 Kayak. After finishing Kayak the rig returned to Blåmann on 2 July and continued operations. Otherwise, operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 895 m and with Enviromul oil-based mud from 895 m to TD.

Primary target Stø Formation was encountered at 1911 m. It was gas-bearing with the gas-water contact at 1934 m. The secondary targets proved to be dry. Shows on drilled cuttings are reported from 1928 m to 1984 m in the cored interval, and are described as spotted, dull fluorescence. Shows were also described in the interval from 2003 m to 2123 m, in the Nordmela, Tubåen and Fruholmen Formations, as spotty, dull, direct fluorescence with a slow, cloudy cut fluorescence. The shows descriptions are poor due to the masking effect by the oil-based mud.

One core was cut from 1918 to 1984 m with 100% recovery in the Stø and Nordmela formations. The core-log depth shift is -1.4 m. MDT fluid samples were taken at 1911.4 m (gas) and 1936.6 m (water).

The well was permanently abandoned on 15 July 2017 as a gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
980.00	2260.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1918.0	1983.7	[m]

Total kjerneprøve lengde [m]	65.7
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
990.0	[m]	DC	CGG
1020.0	[m]	DC	CGG
1040.0	[m]	DC	CGG
1080.0	[m]	DC	CGG
1100.0	[m]	DC	CGG
1120.0	[m]	DC	CGG
1140.0	[m]	DC	CGG
1160.0	[m]	DC	CGG
1180.0	[m]	DC	CGG
1200.0	[m]	DC	CGG
1260.0	[m]	DC	CGG
1280.0	[m]	DC	CGG
1300.0	[m]	DC	CGG
1320.0	[m]	DC	CGG
1340.0	[m]	DC	CGG
1360.0	[m]	DC	CGG
1380.0	[m]	DC	CGG
1400.0	[m]	DC	CGG
1420.0	[m]	DC	CGG
1440.0	[m]	DC	CGG
1460.0	[m]	DC	CGG
1480.0	[m]	DC	CGG
1500.0	[m]	DC	CGG
1540.0	[m]	DC	CGG
1560.0	[m]	DC	CGG
1580.0	[m]	DC	CGG



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 08:45

1600.0	[m]	DC	CGG
1620.0	[m]	DC	CGG
1640.0	[m]	DC	CGG
1660.0	[m]	DC	CGG
1680.0	[m]	DC	CGG
1700.0	[m]	DC	CGG
1720.0	[m]	DC	CGG
1740.0	[m]	DC	CGG
1760.0	[m]	DC	CGG
1781.0	[m]	DC	CGG
1793.0	[m]	DC	CGG
1824.4	[m]	SWC	CGG
1829.0	[m]	DC	CGG
1835.0	[m]	DC	CGG
1839.2	[m]	SWC	CGG
1841.0	[m]	DC	CGG
1847.0	[m]	DC	CGG
1853.0	[m]	DC	CGG
1859.0	[m]	DC	CGG
1865.0	[m]	DC	CGG
1871.0	[m]	DC	CGG
1877.0	[m]	DC	CGG
1883.0	[m]	DC	CGG
1889.0	[m]	DC	CGG
1890.8	[m]	SWC	CGG
1895.0	[m]	DC	CGG
1901.0	[m]	DC	CGG
1907.0	[m]	DC	CGG
1908.0	[m]	SWC	CGG
1908.6	[m]	SWC	CGG
1913.0	[m]	DC	CGG
1918.9	[m]	C	CGG
1923.8	[m]	C	CGG
1929.8	[m]	C	CGG
1933.4	[m]	C	CGG
1939.7	[m]	C	CGG
1939.9	[m]	C	CGG
1940.8	[m]	C	CGG
1944.8	[m]	C	CGG
1949.6	[m]	C	CGG



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 10.5.2024 - 08:45

1953.4	[m]	C	CGG
1960.3	[m]	C	CGG
1966.7	[m]	C	CGG
1968.1	[m]	C	CGG
1975.8	[m]	C	CGG
1977.4	[m]	C	CGG
1983.5	[m]	C	CGG
1991.0	[m]	DC	CGG
1997.0	[m]	DC	CGG
2003.0	[m]	DC	CGG
2005.6	[m]	SWC	CGG
2009.0	[m]	DC	CGG
2015.0	[m]	DC	CGG
2021.0	[m]	DC	CGG
2027.0	[m]	DC	CGG
2032.0	[m]	SWC	CGG
2033.0	[m]	DC	CGG
2039.0	[m]	DC	CGG
2042.3	[m]	SWC	CGG
2045.0	[m]	DC	CGG
2051.0	[m]	DC	CGG
2057.0	[m]	DC	CGG
2063.0	[m]	DC	CGG
2069.0	[m]	DC	CGG
2075.0	[m]	DC	CGG
2081.0	[m]	DC	CGG
2087.0	[m]	DC	CGG
2093.0	[m]	DC	CGG
2096.5	[m]	SWC	CGG
2099.0	[m]	DC	CGG
2105.0	[m]	DC	CGG
2111.0	[m]	DC	CGG
2117.0	[m]	DC	CGG
2123.0	[m]	DC	CGG
2129.0	[m]	DC	CGG
2135.0	[m]	DC	CGG
2141.0	[m]	DC	CGG
2147.0	[m]	DC	CGG
2153.0	[m]	DC	CGG
2159.0	[m]	DC	CGG



2165.0 [m]	DC	CGG
2171.0 [m]	DC	CGG
2177.0 [m]	DC	CGG
2183.0 [m]	DC	CGG
2189.0 [m]	DC	CGG
2195.0 [m]	DC	CGG
2201.0 [m]	DC	CGG
2207.0 [m]	DC	CGG
2213.0 [m]	DC	CGG
2219.0 [m]	DC	CGG
2223.3 [m]	SWC	CGG
2225.0 [m]	DC	CGG
2231.0 [m]	DC	CGG
2237.0 [m]	DC	CGG
2243.0 [m]	DC	CGG
2249.0 [m]	DC	CGG
2255.0 [m]	DC	CGG
2260.0 [m]	DC	CGG

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
408	NORDLAND GP
408	NAUST FM
431	SOTBAKKEN GP
431	TORSK FM
811	NYGRUNNEN GP
811	KVITING FM
873	ADVENTDALEN GP
873	KOLMULE FM
1584	KOLJE FM
1766	KNURR FM
1822	HEKKINGEN FM
1909	FUGLEN FM
1911	KAPP TOSCANA GP
1911	STØ FM
1939	NORDMELA FM
2025	TUBÅEN FM
2039	FRUHOLMEN FM



2080	NO FORMAL NAME
2211	SNADD FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT GR	1911	2216
MWD - GR RES DEN NEU SON DI	977	1781
MWD - GR RES PWD DI	1781	2260
MWD - GR RES SON DI	408	977
XLR GR	1816	2223
ZAIP MSIP PEX ECS	1716	2260

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.	13 5/8	970.0	17 1/2	980.0	1.48	LOT
LINER	9 5/8	1778.0	12 1/2	1781.0	1.46	LOT
OPEN HOLE		2260.0	8 1/2	2260.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
407	1.25	31.0		Enviromul	
966	1.11	23.0		Enviromul	
1150	1.14	24.0		Enviromul	
1658	1.25	29.0		Enviromul	
1705	1.22	25.0		Enviromul	
1711	1.14	20.0		Enviromul	
1781	1.25	27.0		Enviromul	
1781	1.14	20.0		Enviromul	
1790	1.25	28.0		Enviromul	
2259	1.25	28.0		Enviromul	