



Generell informasjon

Brønnbane navn	7219/12-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Funn	7219/12-1 (Filicudi)
Brønn navn	7219/12-1
Seismisk lokalisering	LN12M01: inline 31040 crossline 26094
Utvinningstillatelse	533
Boreoperatør	Lundin Norway AS
Boretillatelse	1635-L
Boreinnretning	LEIV EIRIKSSON
Boredager	56
Borestart	25.11.2016
Boreslutt	19.01.2017
Plugget dato	21.01.2017
Frigitt dato	19.01.2019
Publiseringsdato	04.04.2019
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	LATE TRIASSIC
1. nivå med hydrokarboner, formasjon.	TUBÅEN FM
Avstand, boredekk - midlere havflate [m]	25.0
Vanndybde ved midlere havflate [m]	322.0
Totalt målt dybde (MD) [m RKB]	2500.0
Totalt vertikalt dybde (TVD) [m RKB]	2495.0
Maks inklinasjon [°]	8
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SNADD FM
Geodetisk datum	ED50
NS grader	72° 12' 44.21" N
ØV grader	19° 46' 38.32" E



NS UTM [m]	8019294.63
ØV UTM [m]	662747.70
UTM sone	33
NPDID for brønnbanen	8024

Brønnhistorie

General

Well 7219/12-1 was drilled on the Filicudi prospect in the northern part of Ringvasshøy-Loppa Fault Complex in the Barents Sea. The primary objective was to test the hydrocarbon potential in the Late Triassic – Early Jurassic Tubåen and Fruholmen formations. Secondary objective was to test the hydrocarbon potential in the Triassic Snadd Formation.

Operations and results

Wildcat well 7219/12-1 was spudded with the semi-submersible installation Leiv Eriksson on 25 November 2016 and drilled to TD at 2500 m in the Late Triassic Snadd Formation. Below 1500 m the well started to build angle, with maximum deviation of 8 ° at TD, where TVD is 4.5 m short of MD. The well was drilled with Seawater and hi-vis sweeps down to 667 m, and with Performadril water-based mud (3.2 – 4 % glycol) from 667 m to TD.

The well encountered top Tubåen Formation primary target at 1503 m with excellent reservoir properties in Rhaetian age sandstone. The Tubåen sandstone was gas and oil filled with GOC at 1568.5 m, and oil down to the FWL at 1630 m. Oil shows, fluorescence and cut, were described on cores down to 1660 m. Apart from this, only weak shows were recorded on two sidewall cores at 1694.7 and 2320 m, and on two cuttings samples at 1687 m and 2176 m.

Six cores were cut from 1503.0 m to 1671.4 m with close to 100% total recovery. MDT fluid samples were taken at 1525 m (gas), 1577.8 m (oil), 1593.3 m (oil), 1604.2 m (oil), 1628.6 m (oil), and 1651.5 m (water).

The well was permanently abandoned on 19 January 2017 as an oil and gas discovery well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
670.00	2500.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1503.0	1529.4	[m]
2	1530.0	1539.6	[m]
3	1540.3	1560.5	[m]
4	1560.5	1608.3	[m]
5	1608.3	1617.4	[m]
6	1617.4	1671.4	[m]

Total kjerneprøve lengde [m]	167.0
Kjerner tilgjengelig for prøvetaking?	YES

Oljeprøver i Sokkeldirektoratet

Test type	Flaske nummer	Topp dyp MD [m]	Bunn dyp MD [m]	Væske type	Test tidspunkt	Prøver tilgjengelig
MDT		0.00	0.00			YES
MDT		1628.00	0.00	OIL		YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
347	NORDLAND GP
485	SOTBAKKEN GP
485	TORSK FM
1498	ADVENTDALEN GP
1499	HEKKINGEN FM
1501	UNDEFINED GP
1503	KAPP TOSCANA GP
1503	TUBÅEN FM
1653	FRUHOLMEN FM
1729	REKE MBR
2072	AKKAR MBR
2169	SNADD FM



Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FMI MSIP GR JAR	347	2033
FMI MSIP GR JAR	1985	2494
HRLA PEX HNGS ECS JAR	1971	2483
HRLA PEX HNGS GR JAR	1443	2027
MDT GR JAR	1514	2320
MDT GR JAR	1577	1604
MSCT GR	1460	2444
MWD - GR RES PWD DIR AC	403	662
MWD - PWD DIR	662	667
MWD - PWD DIR GR	347	403
MWD - RES GRPWD DIR CAL DEN NEU	667	2500
VSI4 GR	663	2491
XPT ECS SMR GR JAR	1443	2033

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	30	414.9	36	414.9	0.00	
SURF.COND.	20	654.5	26	662.0	1.40	LOT
PILOT HOLE		662.0	9 7/8	662.0	0.00	
INTERM.	9 5/8	1443.3	12 1/4	1450.0	1.69	LOT
OPEN HOLE		2500.0	8 1/2	2500.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
415	1.50	42.0		DISPLACEMENT MUD	
415	1.05	45.0		Bentonite Spud Mud	
415	1.02	1.0		Other	
511	1.02	1.0		SPUD-MUD	
511	1.50	50.0		DISPLACEMENT MUD	



652	1.14	13.0		Performadril	
662	1.39	41.0		DISPLACEMENT MUD	
662	1.14	13.0		Performadril	
662	1.14	10.0		WBM	
662	1.02	1.0		Other	
667	1.14	13.0		Performadril	
1173	1.14	15.0		Performadril	
1173	1.28	23.0		Performadril	
1200	1.14	14.0		Performadril	
1244	1.28	23.0		Performadril	
1250	1.15	13.0		Performadril	
1280	1.14	14.0		Performadril	
1450	1.25	14.0		Performadril	
1450	1.14	13.0		Performadril	
1503	1.25	14.0		Performadril	
1530	1.27	14.0		Performadril	
1530	1.25	15.0		Performadril	
2500	1.27	19.0		Performadril	