



Generell informasjon





Brønnbane navn	7120/6-3 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7120/6-3
Seismisk lokalisering	LN11 IM07-inline 3490 & crosline 1356
Utvinningstillatelse	490
Boreoperatør	Lundin Norway AS
Boretillatelse	1392-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	52
Borestart	10.10.2012
Boreslutt	30.11.2012
Frigitt dato	30.11.2014
Publiseringsdato	11.03.2015
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	327.0
Totalt målt dybde (MD) [m RKB]	3030.0
Totalt vertikalt dybde (TVD) [m RKB]	3017.0
Maks inklinasjon [°]	16
Temperatur ved bunn av brønnbanen [°C]	116
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	NORDMELA FM
Geodetisk datum	ED50
NS grader	71° 41' 2.43" N
ØV grader	20° 43' 16.97" E
NS UTM [m]	7953925.23
ØV UTM [m]	490226.96
UTM sone	34
NPDID for brønnbanen	6772



Brønnhistorie

General

Well 7120/6-3 S was drilled on the Juksa prospect in the north-western part of the Hammerfest Basin, in a sub-basin north of the Snøhvit field in the Barents Sea. The primary objective was to test the lower part of the Early Cretaceous Kolmule Formation. Secondary target was wedges of intra-formational quartzitic sandstones in the uppermost Hekkingen/lowermost Knurr Formations. Tertiary target was sandstones in the Early-Middle Jurassic sequence.

Operations and results

Wildcat well 7120/6-3 S was spudded with the semi-submersible installation Transocean Arctic on 10 October 2012 and drilled to TD at 3030 m (3017 m TVD) in the Early Jurassic Nordmela Formation. An 8 1/2" pilot hole was drilled from seabed to 780 m to check for shallow gas. No shallow gas was seen. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis sweeps down to 770 m, with KCl/GEM/polymer mud from 770 m to TD.

The well encountered sandstones with good shows in the lower Kolmule Formation, but they produced water with only traces of hydrocarbons during RCI sampling. No sands or hydrocarbon shows were seen in the secondary target, assumed to be the Knurr Formation. Sandstones in the Early-Middle Jurassic Stø Formation were water bearing with shows in side wall cores from the interval 2925 -2976 m. The well penetrated a 2-meter thick organic rich shale (oil prone source rock) at 2416 m in the Kolje Formation. The lower part of the Hekkingen Formation also had a high organic content.

One core was cut from 1974 to 1989.3 m with 100% recovery in the Kolmule Formation. RCI fluid samples were taken at 1977 m, 1982 m, and 1993.5 m in the lower Kolmule sandstones. Water with traces of oil was retrieved in these samples. RCI fluid samples were taken also at 2911 m (water) in the Stø Formation and at 3012 m (water) in the Nordmela Formation.

The well was permanently abandoned on 30 November 2012 as a well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
790.00	3030.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1974.0	1989.3	[m]

Total kjerneprøve lengde [m]	15.3
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Søkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
790.0	[m]	DC	ROBERTSO
830.0	[m]	DC	ROBERT
870.0	[m]	DC	ROBERT
910.0	[m]	DC	ROBERT
950.0	[m]	DC	ROBERT
990.0	[m]	DC	ROBERT
1030.0	[m]	DC	ROBERT
1070.0	[m]	DC	ROBERT
1110.0	[m]	DC	ROBERT
1150.0	[m]	DC	ROBERT
1190.0	[m]	DC	ROBERT
1230.0	[m]	DC	ROBERT
1250.0	[m]	DC	ROBERT
1260.0	[m]	DC	ROBERT
1270.0	[m]	DC	ROBERT
1280.0	[m]	DC	ROBERT
1290.0	[m]	DC	ROBERT
1300.0	[m]	DC	ROBERT
1310.0	[m]	DC	ROBERT
1320.0	[m]	DC	ROBERT
1330.0	[m]	DC	ROBERT
1340.0	[m]	DC	ROBERT
1350.0	[m]	DC	ROBERT
1360.0	[m]	DC	ROBERT
1370.0	[m]	DC	ROBERT
1380.0	[m]	DC	ROBERT
1390.0	[m]	DC	ROBERT
1400.0	[m]	DC	ROBERT
1410.0	[m]	DC	ROBERT



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 10:26

1420.0 [m]	DC	ROBERT
1430.0 [m]	DC	ROBERT
1440.0 [m]	DC	ROBERT
1450.0 [m]	DC	ROBERT
1460.0 [m]	DC	ROBERT
1470.0 [m]	DC	ROBERT
1480.0 [m]	DC	ROBERT
1490.0 [m]	DC	ROBERT
1500.0 [m]	DC	ROBERT
1510.0 [m]	DC	ROBERT
1520.0 [m]	DC	ROBERT
1530.0 [m]	DC	ROBERT
1540.0 [m]	DC	ROBERT
1580.0 [m]	DC	ROBERT
1590.0 [m]	DC	ROBERT
1600.0 [m]	DC	ROBERT
1610.0 [m]	DC	ROBERT
1620.0 [m]	DC	ROBERT
1630.0 [m]	DC	ROBERT
1640.0 [m]	DC	ROBERT
1650.0 [m]	DC	ROBERT
1660.0 [m]	DC	ROBERT
1670.0 [m]	DC	ROBERT
1680.0 [m]	DC	ROBERT
1690.0 [m]	DC	ROBERT
1700.0 [m]	DC	ROBERT
1709.0 [m]	DC	ROBERT
1718.0 [m]	DC	ROBERT
1727.0 [m]	DC	ROBERT
1736.0 [m]	DC	ROBERT
1745.0 [m]	DC	ROBERT
1754.0 [m]	DC	ROBERT
1763.0 [m]	DC	ROBERT
1772.0 [m]	DC	ROBERT
1781.0 [m]	DC	ROBERT
1790.0 [m]	DC	ROBERT
1799.0 [m]	DC	ROBERT
1808.0 [m]	DC	ROBERT
1817.0 [m]	DC	ROBERT
1826.0 [m]	DC	ROBERT



1835.0 [m]	DC	ROBERT
1844.0 [m]	DC	ROBERT
1853.0 [m]	DC	ROBERT
1862.0 [m]	DC	ROBERT
1871.0 [m]	DC	ROBERT
1880.0 [m]	DC	ROBERT
1889.0 [m]	DC	ROBERT
1898.0 [m]	DC	ROBERT
1916.0 [m]	DC	ROBERT
1925.0 [m]	DC	ROBERT
1934.0 [m]	DC	ROBERT
1943.0 [m]	DC	ROBERT
1952.0 [m]	DC	ROBERT
1961.0 [m]	DC	ROBERT
1970.0 [m]	DC	ROBERT
1974.0 [m]	C	ROBERT
1974.7 [m]	C	ROBERT
1975.3 [m]	C	ROBERT
1976.0 [m]	C	ROBERT
1977.2 [m]	C	ROBERT
1978.5 [m]	C	ROBERT
1978.7 [m]	C	ROBERT
1982.8 [m]	C	ROBERT
1983.5 [m]	C	ROBERT
1983.5 [m]	C	ROBERT
1984.5 [m]	C	ROBERT
1984.7 [m]	C	ROBERT
1985.2 [m]	C	ROBERT
1985.7 [m]	C	ROBERT
1987.1 [m]	C	ROBERT
1987.5 [m]	C	ROBERT
1988.8 [m]	C	ROBERT
1997.0 [m]	DC	ROBERT
2006.0 [m]	DC	ROBERT
2015.0 [m]	DC	ROBERT
2024.0 [m]	DC	ROBERT
2042.0 [m]	DC	ROBERT
2051.0 [m]	DC	ROBERT
2069.0 [m]	DC	ROBERT
2078.0 [m]	DC	ROBERT



2096.0	[m]	DC	ROBERT
2105.0	[m]	DC	ROBERT
2123.0	[m]	DC	ROBERT
2132.0	[m]	DC	ROBERT
2141.0	[m]	DC	ROBERT
2150.0	[m]	DC	ROBERT
2159.0	[m]	DC	ROBERT
2168.0	[m]	DC	ROBERT
2177.0	[m]	DC	ROBERT
2186.0	[m]	DC	ROBERT
2195.0	[m]	DC	ROBERT
2204.0	[m]	DC	ROBERT
2213.0	[m]	DC	ROBERT
2231.0	[m]	DC	ROBERT
2240.0	[m]	DC	ROBERT
2249.0	[m]	DC	ROBERT
2258.0	[m]	DC	ROBERT
2267.0	[m]	DC	ROBERT
2294.0	[m]	DC	ROBERT
2303.0	[m]	DC	ROBERT
2312.0	[m]	DC	ROBERT
2330.0	[m]	DC	ROBERT
2357.0	[m]	DC	ROBERT
2366.0	[m]	DC	ROBERT
2375.0	[m]	DC	ROBERT
2393.0	[m]	DC	ROBERT
2411.0	[m]	DC	ROBERT
2420.0	[m]	DC	ROBERT
2429.0	[m]	DC	ROBERT
2447.0	[m]	DC	ROBERT
2456.0	[m]	DC	ROBERT
2465.0	[m]	DC	ROBERT
2474.0	[m]	DC	ROBERT
2483.0	[m]	DC	ROBERT
2492.0	[m]	DC	ROBERT
2500.0	[m]	DC	ROBERT
2510.0	[m]	DC	ROBERT
2609.0	[m]	DC	ROBERT
2618.0	[m]	DC	ROBERT
2627.0	[m]	DC	ROBERT



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 16.5.2024 - 10:26

2636.0 [m]	DC	ROBERT
2645.0 [m]	DC	ROBERT
2654.0 [m]	DC	ROBERT
2663.0 [m]	DC	ROBERT
2672.0 [m]	DC	ROBERT
2681.0 [m]	DC	ROBERT
2690.0 [m]	DC	ROBERT
2699.0 [m]	DC	ROBERT
2708.0 [m]	DC	ROBERT
2717.0 [m]	DC	ROBERT
2726.0 [m]	DC	ROBERT
2735.0 [m]	DC	ROBERT
2744.0 [m]	DC	ROBERT
2753.0 [m]	DC	ROBERT
2762.0 [m]	DC	ROBERT
2771.0 [m]	DC	ROBERT
2780.0 [m]	DC	ROBERT
2789.0 [m]	DC	ROBERT
2798.0 [m]	DC	ROBERT
2810.0 [m]	DC	ROBERT
2816.0 [m]	DC	ROBERT
2825.0 [m]	DC	ROBERT
2834.0 [m]	DC	ROBERT
2843.0 [m]	DC	ROBERT
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2861.0 [m]	DC	ROBERT
2873.0 [m]	DC	ROBERT
2879.0 [m]	DC	ROBERT
2888.0 [m]	DC	ROBERT
2897.0 [m]	DC	ROBERT
2906.0 [m]	DC	ROBERT
2915.0 [m]	DC	ROBERT
2924.0 [m]	DC	ROBERT
2933.0 [m]	DC	ROBERT
2942.0 [m]	DC	ROBERT
2951.0 [m]	DC	ROBERT
2960.0 [m]	DC	ROBERT
2969.0 [m]	DC	ROBERT
2996.0 [m]	DC	ROBERT
3005.0 [m]	DC	ROBERT



3014.0	[m]	DC	ROBERT
3023.0	[m]	DC	ROBERT
3030.0	[m]	DC	ROBERT

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
351	NORDLAND GP
351	NO FORMAL NAME
370	SOTBAKKEN GP
370	TORSK FM
1256	NYGRUNNEN GP
1256	KVEITE FM
1289	ADVENTDALEN GP
1289	KOLMULE FM
1970	UNDIFFERENTIATED
1996	KOLJE FM
2665	KNURR FM
2811	HEKKINGEN FM
2893	KAPP TOSCANA GP
2893	STØ FM
2979	NORDMELA FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
DSL CN ZDL RTEX MLL	1898	2497
DSL CN ZDL RTEX MLL ORIT XMAC	2497	3029
DSL MCOR	1945	2473
DSL PCOR	2512	3017
DSL RCX IFX	1971	1995
DSL XMAC ORIT STAR UXPL	1898	2479
GR RCX IFX	2907	3012
MWD - INC RES GR	735	1898
MWD - OT ORD CCN APX	329	777
MWD - PWD GR RES DIR DEN CAL NEU	735	1898
MWD - PWD GR RES DIR DEN CAL NEU	1847	3027



VSP	390	3015
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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	417.0	36	421.0	0.00	
SURF.COND.	20	766.0	26	772.0	1.58	LOT
OPEN HOLE		777.0	17 1/2	777.0	0.00	
PILOT HOLE		780.0	8 1/2	780.0	0.00	
INTERM.	9 5/8	1898.0	12 1/4	1903.0	1.50	LOT
LINER	7	2498.0	8 1/2	2500.0	1.57	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
357	1.03	14.0		Spud Mud	
772	1.35	15.0		Water Base	
1903	1.35	16.0		Polymer	
2500	1.11	22.0		Polymer	
3030	1.11	20.0		Polymer	

Trykkplott

Porertrykksdataene kommer fra logging i brønnen hvis ingen annen kilde er oppgitt. I noen brønner der trykk ikke er logget, er det brukt informasjon fra formasjonstester eller brønnspark. Trykkdataene er rapportert inn til Oljedirektoratet og videre prosessert og kvalitetssikret av IHS Markit.

Dokument navn	Dokument format	Dokument størrelse [KB]
6772 Formation pressure (Formasjonstrykk)	pdf	0.27

