



Generell informasjon





Brønnbane navn	7120/8-4
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7120/8-4
Seismisk lokalisering	ST8320R00 & crossline 1919 & inline 304
Utvinningstillatelse	064
Boreoperatør	StatoilHydro ASA
Boretillatelse	1140-L
Boreinnretning	POLAR PIONEER
Boredager	27
Borestart	14.11.2007
Boreslutt	10.12.2007
Frigitt dato	10.12.2009
Publiseringsdato	10.12.2009
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	275.0
Totalt målt dybde (MD) [m RKB]	2697.0
Totalt vertikalt dybde (TVD) [m RKB]	2696.0
Maks inklinasjon [°]	4.2
Temperatur ved bunn av brønnbanen [°C]	98
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	FRUHOLMEN FM
Geodetisk datum	ED50
NS grader	71° 28' 36.76" N
ØV grader	20° 26' 44.22" E
NS UTM [m]	7930889.05
ØV UTM [m]	480342.17
UTM sone	34
NPDID for brønnbanen	5572

**Brønnhistorie**

Well 7120/8-4 was drilled on the Askeladd Beta prospect in block 7120/8 about 6 kilometres south-west of the Snøhvit field and 150 kilometres north-west of Hammerfest. The purpose of the well was to prove hydrocarbons in Jurassic sandstones as additional resources for a potential expansion of the LNG plant on Melkøya.

Operations and results

A 9 7/8" pilot hole (7120/8-U-4) was first drilled to 500 m to detect possible shallow gas in a zone at 370 m. No shallow gas was detected. Wildcat well 7120/8-4 was spudded with the semi-submersible installation Polar Pioneer on 14 November 2007 and drilled to TD at 2697 m in the Late Triassic Fruholmen Formation. Boulders were encountered in the 36" top hole section. No significant problems were encountered during the operations. The well was drilled with spud mud/high viscosity sweeps and returns to seafloor down to 1246 m and with Formpro WBM from 1246 m to TD.

Top Stø and Tubåen Formations were penetrated at 2263.8 and 2495.7 m respectively. The well was dry, with only traces of hydrocarbons. However, in the Stø and Fruholmen Formations significant background gas and residual oil from the interpretation shows that this structure might have been hydrocarbon filled formerly. The presence of kerogens in the Stø Formation gave a general spotty direct HC fluorescence and a weak cut reaction (with 2-iso-propanol) in zones rich in siltstones or in some of the zones packed with kaolinittic matrix/cement. One particular stringer of calcareous sandstone, at 2325 ? 2332 m, gave a particular good HC-fluorescence as well as the cut reaction. The appearance of fluorescence was generally absent below 2523 m.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 10 December 2007 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1260.00	2697.00

Borekaks tilgjengelig for prøvetaking?	YES
--	-----

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1260.0	[m]	DC	APT
1280.0	[m]	DC	APT



1300.0	[m]	DC	APT
1320.0	[m]	DC	APT
1340.0	[m]	DC	APT
1360.0	[m]	DC	APT
1380.0	[m]	DC	APT
1400.0	[m]	DC	APT
1420.0	[m]	DC	APT
1440.0	[m]	DC	APT
1460.0	[m]	DC	APT
1480.0	[m]	DC	APT
1500.0	[m]	DC	APT
1520.0	[m]	DC	APT
1540.0	[m]	DC	APT
1560.0	[m]	DC	APT
1580.0	[m]	DC	APT
1600.0	[m]	DC	APT
1620.0	[m]	DC	APT
1640.0	[m]	DC	APT
1660.0	[m]	DC	APT
1680.0	[m]	DC	APT
1700.0	[m]	DC	APT
1720.0	[m]	DC	APT
1740.0	[m]	DC	APT
1760.0	[m]	DC	APT
1780.0	[m]	DC	APT
1800.0	[m]	DC	APT
1820.0	[m]	DC	APT
1840.0	[m]	DC	APT
1860.0	[m]	DC	APT
1880.0	[m]	DC	APT
1900.0	[m]	DC	APT
1920.0	[m]	DC	APT
1940.0	[m]	DC	APT
1960.0	[m]	DC	APT
1980.0	[m]	DC	APT
2000.0	[m]	DC	APT
2020.0	[m]	DC	APT
2040.0	[m]	DC	APT
2060.0	[m]	DC	APT
2080.0	[m]	DC	APT



2100.0	[m]	DC	APT
2110.0	[m]	DC	APT
2120.0	[m]	DC	APT
2130.0	[m]	DC	APT
2140.0	[m]	DC	APT
2150.0	[m]	DC	APT
2160.0	[m]	DC	APT
2170.0	[m]	DC	APT
2180.0	[m]	DC	APT
2190.0	[m]	DC	APT
2200.0	[m]	DC	APT
2210.0	[m]	DC	APT
2220.0	[m]	DC	APT
2230.0	[m]	DC	APT
2240.0	[m]	DC	APT
2250.0	[m]	DC	APT
2256.0	[m]	DC	APT
2262.0	[m]	DC	APT
2268.0	[m]	DC	APT
2274.0	[m]	DC	APT
2280.0	[m]	DC	APT
2286.0	[m]	DC	APT
2292.0	[m]	DC	APT
2298.0	[m]	DC	APT
2304.0	[m]	DC	APT
2310.0	[m]	DC	APT
2316.0	[m]	DC	APT
2322.0	[m]	DC	APT
2328.0	[m]	DC	APT
2334.0	[m]	DC	APT
2340.0	[m]	DC	APT
2346.0	[m]	DC	APT
2352.0	[m]	DC	APT
2358.0	[m]	DC	APT
2364.0	[m]	DC	APT
2370.0	[m]	DC	APT
2376.0	[m]	DC	APT
2382.0	[m]	DC	APT
2394.0	[m]	DC	APT
2412.0	[m]	DC	APT



2418.0	[m]	DC	APT
2430.0	[m]	DC	APT
2436.0	[m]	DC	APT
2454.0	[m]	DC	APT
2460.0	[m]	DC	APT
2466.0	[m]	DC	APT
2472.0	[m]	DC	APT
2478.0	[m]	DC	APT
2484.0	[m]	DC	APT
2490.0	[m]	DC	APT
2496.0	[m]	DC	APT
2502.0	[m]	DC	APT
2508.0	[m]	DC	APT
2514.0	[m]	DC	APT
2526.0	[m]	DC	APT
2532.0	[m]	DC	APT
2538.0	[m]	DC	APT
2544.0	[m]	DC	APT
2550.0	[m]	DC	APT
2556.0	[m]	DC	APT
2562.0	[m]	DC	APT
2574.0	[m]	DC	APT
2586.0	[m]	DC	APT
2592.0	[m]	DC	APT
2598.0	[m]	DC	APT
2610.0	[m]	DC	APT
2622.0	[m]	DC	APT
2628.0	[m]	DC	APT
2640.0	[m]	DC	APT
2652.0	[m]	DC	APT
2658.0	[m]	DC	APT
2664.0	[m]	DC	APT
2670.0	[m]	DC	APT
2676.0	[m]	DC	APT
2682.0	[m]	DC	APT
2688.0	[m]	DC	APT
2697.0	[m]	DC	APT

Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
298	NORDLAND GP
376	SOTBAKKEN GP
376	TORSK FM
1186	NYGRUNNEN GP
1186	KVITING FM
1279	ADVENTDALEN GP
1279	KOLMULE FM
1798	KOLJE FM
2142	KNURR FM
2179	HEKKINGEN FM
2179	KRILL MBR
2221	ALGE MBR
2250	FUGLEN FM
2264	KAPP TOSCANA GP
2264	STØ FM
2360	NORDMELA FM
2496	TUBÅEN FM
2643	FRUHOLMEN FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
5572	pdf	0.30

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT PRETEST	2265	2678
MWD - ARCVRES8-POWERPULSE	351	1252
MWD - GVR6-ARCVRES6 POWERPULSE	2250	2697
MWD - GVR8 ARCVRES8 POWERPULSE	1252	2250
MWD - POWERPULSE	275	351
PEX HNGS MSIP	1250	2697
VSP	347	2680





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	346.0	36	351.0	1.65	LOT
INTERM.	13 3/8	1244.0	17 1/2	1252.0	2.05	LOT
INTERM.	9 5/8	2249.0	12 1/4	2250.0	0.00	LOT
OPEN HOLE		2697.0	8 1/2	2697.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1528	1.26	15.0		FORMPRO	
1949	1.26	15.0		FORMPRO	
2250	1.30	16.0		FORMPRO	
2262	1.30	20.0		FORMPRO	

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]
5572 Formation pressure (Formasjonstrykk)	pdf	0.28

