



Generell informasjon

Brønnbane navn	7122/6-2
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Felt	SNØHVIT
Funn	7122/6-1 (Tornerose)
Brønn navn	7122/6-2
Seismisk lokalisering	ST0509-inline3090 & crossline 5235
Utvinningstillatelse	110 B
Boreoperatør	Statoil ASA (old)
Boretillatelse	1116-L
Boreinnretning	POLAR PIONEER
Boredager	41
Borestart	10.08.2006
Boreslutt	19.09.2006
Frigitt dato	19.09.2008
Publiseringsdato	18.12.2008
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE TRIASSIC
1. nivå med hydrokarboner, formasjon.	SNADD FM
Avstand, boredekk - midlere havflate [m]	23.0
Vanndybde ved midlere havflate [m]	408.0
Totalt målt dybde (MD) [m RKB]	3070.0
Totalt vertikalt dybde (TVD) [m RKB]	3070.0
Maks inklinasjon [°]	1.8
Temperatur ved bunn av brønnbanen [°C]	100
Eldste penetrerte alder	MIDDLE TRIASSIC
Eldste penetrerte formasjon	KOBBE FM
Geodetisk datum	ED50



NS grader	71° 35' 13.6" N
ØV grader	22° 51' 21.54" E
NS UTM [m]	7944100.00
ØV UTM [m]	565425.04
UTM sone	34
NPDID for brønnbanen	5327

Brønnhistorie

General

Block 7122/6 is situated in the Hammerfest Basin, ca. 45 km NNE of the Goliath Discovery, and ca. 55 km east of the Snøhvit Field. Well 7122/6-2 was drilled on the Tornerose prospect, a southwest dipping rotated fault block forming a structural closure with the north-eastern side delineated by a major NW-SE striking fault. Wildcat 7122/6-1 had been drilled by Total in 1987 and proven gas in the northwestern part of the structure. The primary objective of well 7122/6-2 was to prove hydrocarbons in sandstones of early Carnian age in the Snadd Formation, Kap Toscana Group. Sandstones in the Stø and Kobbe Formations were secondary targets.

Operations and results

Well 7122/6-2 was spudded with the semi-submersible installation Polar Pioneer on 9 August 2006 and drilled to TD at

3070 m in the Middle Triassic Kobbe Formation. No shallow gas was observed. No significant technical problems were encountered in the operations. The well was drilled with seawater and hi-vis pills down to 1105 m, and with Glydril mud from 1105 m to TD.

Well 7122/6-2 penetrated rocks of Quaternary, Cretaceous, Jurassic, and Triassic age. Gas was proven in the Top Carnian tight sandstones (Snadd Formation) at 2387 m. No gas water contact could be established. Instead, MDT pressure points indicated that the gas occurred in separate sands without pressure communication. The fluorescence observed in the well was indicative of light hydrocarbons only. No direct fluorescence was observed. Rare traces of pale white very faint immediate cut fluorescence were observed in the interval 2048 to 2052 m. Rare traces of pale white very faint delayed cut fluorescence in the cored interval at 2452 to 2456 m. In the interval 2574 - 2643 m rare traces of very faint bluish white delayed cut fluorescence was observed.

One core was cut at 2452 - 2506 m in the Snadd Formation in the Top Carnian reservoir, as planned. MDT fluid samples were collected in the Stø and Carnian sandstones. Water samples were collected in the Stø and Snadd Formations. Gas samples were taken in Snadd Formation and in Carnian Sandstone at 2393.4 m, 2452.4 m and 2533.4 m.

The well was permanently abandoned on 19 September 2006 as a gas well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet



Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1120.00	3009.00

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

Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	2452.0	2506.7	[m]

Total kjerneprøve lengde [m]	54.7
------------------------------	------

Kjerner tilgjengelig for prøvetaking?	YES
---------------------------------------	-----

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
1120.0	[m]	DC	FUGRO
1140.0	[m]	DC	FUGRO
1180.0	[m]	DC	FUGRO
1200.0	[m]	DC	FUGRO
1240.0	[m]	DC	FUGRO
1260.0	[m]	DC	FUGRO
1280.0	[m]	DC	FUGRO
1300.0	[m]	DC	FUGRO
1320.0	[m]	DC	FUGRO
1340.0	[m]	DC	FUGRO
1360.0	[m]	DC	FUGRO
1380.0	[m]	DC	FUGRO
1400.0	[m]	DC	FUGRO
1420.0	[m]	DC	FUGRO
1440.0	[m]	DC	FUGRO
1460.0	[m]	DC	FUGRO
1480.0	[m]	DC	FUGRO
1500.0	[m]	DC	FUGRO
1520.0	[m]	DC	FUGRO
1540.0	[m]	DC	FUGRO
1560.0	[m]	DC	FUGRO
1580.0	[m]	DC	FUGRO



1600.0	[m]	DC	FUGRO
1620.0	[m]	DC	FUGRO
1640.0	[m]	DC	FUGRO
1660.0	[m]	DC	FUGRO
1680.0	[m]	DC	FUGRO
1700.0	[m]	DC	FUGRO
1720.0	[m]	DC	FUGRO
1740.0	[m]	DC	FUGRO
1760.0	[m]	DC	FUGRO
1780.0	[m]	DC	FUGRO
1800.0	[m]	DC	FUGRO
1821.0	[m]	DC	FUGRO
1842.0	[m]	DC	FUGRO
1860.0	[m]	DC	FUGRO
1878.0	[m]	DC	FUGRO
1905.0	[m]	DC	FUGRO
1947.0	[m]	DC	FUGRO
1968.0	[m]	DC	FUGRO
1989.0	[m]	DC	FUGRO
2001.0	[m]	DC	FUGRO
2010.0	[m]	DC	FUGRO
2019.0	[m]	DC	FUGRO
2028.0	[m]	DC	FUGRO
2037.0	[m]	DC	FUGRO
2055.0	[m]	DC	FUGRO
2064.0	[m]	DC	FUGRO
2073.0	[m]	DC	FUGRO
2082.0	[m]	DC	FUGRO
2091.0	[m]	DC	FUGRO
2100.0	[m]	DC	FUGRO
2112.0	[m]	DC	FUGRO
2121.0	[m]	DC	FUGRO
2130.0	[m]	DC	FUGRO
2139.0	[m]	DC	FUGRO
2148.0	[m]	DC	FUGRO
2157.0	[m]	DC	FUGRO
2166.0	[m]	DC	FUGRO
2175.0	[m]	DC	FUGRO
2184.0	[m]	DC	FUGRO
2193.0	[m]	DC	FUGRO



2202.0	[m]	DC	FUGRO
2211.0	[m]	DC	FUGRO
2220.0	[m]	DC	FUGRO
2232.0	[m]	DC	FUGRO
2241.0	[m]	DC	FUGRO
2250.0	[m]	DC	FUGRO
2259.0	[m]	DC	FUGRO
2268.0	[m]	DC	FUGRO
2277.0	[m]	DC	FUGRO
2286.0	[m]	DC	FUGRO
2295.0	[m]	DC	FUGRO
2304.0	[m]	DC	FUGRO
2313.0	[m]	DC	FUGRO
2322.0	[m]	DC	FUGRO
2331.0	[m]	DC	FUGRO
2340.0	[m]	DC	FUGRO
2367.0	[m]	DC	FUGRO
2376.0	[m]	DC	FUGRO
2388.0	[m]	DC	FUGRO
2394.0	[m]	DC	FUGRO
2403.0	[m]	DC	FUGRO
2412.0	[m]	DC	FUGRO
2421.0	[m]	DC	FUGRO
2430.0	[m]	DC	FUGRO
2439.0	[m]	DC	FUGRO
2448.0	[m]	DC	FUGRO
2453.5	[m]	DC	FUGRO
2455.0	[m]	C	ICHRON
2458.8	[m]	C	ICHRON
2461.8	[m]	C	ICHRON
2469.8	[m]	C	ICHRON
2471.6	[m]	C	ICHRON
2485.7	[m]	C	ICHRON
2490.7	[m]	C	ICHRON
2503.0	[m]	C	ICHRON
2506.6	[m]	DC	FUGRO
2514.0	[m]	DC	FUGRO
2523.0	[m]	DC	FUGRO
2532.0	[m]	DC	FUGRO
2541.0	[m]	DC	FUGRO



2550.0	[m]	DC	FUGRO
2559.0	[m]	DC	FUGRO
2568.0	[m]	DC	FUGRO
2577.0	[m]	DC	FUGRO
2586.0	[m]	DC	FUGRO
2595.0	[m]	DC	FUGRO
2604.0	[m]	DC	FUGRO
2613.0	[m]	DC	FUGRO
2622.0	[m]	DC	FUGRO
2631.0	[m]	DC	FUGRO
2640.0	[m]	DC	FUGRO
2652.0	[m]	DC	FUGRO
2661.0	[m]	DC	FUGRO
2670.0	[m]	DC	FUGRO
2679.0	[m]	DC	FUGRO
2688.0	[m]	DC	FUGRO
2697.0	[m]	DC	FUGRO
2706.0	[m]	DC	FUGRO
2715.0	[m]	DC	FUGRO
2724.0	[m]	DC	FUGRO
2733.0	[m]	DC	FUGRO
2742.0	[m]	DC	FUGRO
2754.0	[m]	DC	FUGRO
2763.0	[m]	DC	FUGRO
2772.0	[m]	DC	FUGRO
2781.0	[m]	DC	FUGRO
2790.0	[m]	DC	FUGRO
2799.0	[m]	DC	FUGRO
2808.0	[m]	DC	FUGRO
2817.0	[m]	DC	FUGRO
2826.0	[m]	DC	FUGRO
2835.0	[m]	DC	FUGRO
2844.0	[m]	DC	FUGRO
2853.0	[m]	DC	FUGRO
2862.0	[m]	DC	FUGRO
2871.0	[m]	DC	FUGRO
2880.0	[m]	DC	FUGRO
2889.0	[m]	DC	FUGRO
2898.0	[m]	DC	FUGRO
2907.0	[m]	DC	FUGRO



2919.0 [m]	DC	FUGRO
------------	----	-------

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
431	NORDLAND GP
470	SOTBAKKEN GP
791	NYGRUNNEN GP
791	KVEITE FM
852	ADVENTDALEN GP
852	KOLMULE FM
1623	KOLJE FM
1875	KNURR FM
1936	HEKKINGEN FM
2048	KAPP TOSCANA GP
2048	STØ FM
2088	NORDMELA FM
2104	TUBÅEN FM
2113	FRUHOLMEN FM
2202	SNADD FM
3006	SASSENDALEN GP
3006	KOBBE FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
5327	pdf	0.32

Geokjemisk informasjon

Dokument navn	Dokument format	Dokument størrelse [KB]
5327_01_7122_6_2_gch_transfer_1	txt	0.00
5327_02_7122_6_2_gch_results_1	txt	0.40
5327_1	pdf	0.38
5327_2	pdf	2.16





Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FMI MSIP PPC	2043	3070
MDT GR MINI-DST	2393	2452
MDT PRESS	2050	2759
MDT SAMPLE	2533	3037
MSCT	2206	3059
MWD - ON TRAK	482	3070
PEX HRLA	2910	3070
PEX HRLA CMR ECS HNGS	2016	2998
VSP	882	3060

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	478.0	36	482.0	0.00	LOT
SURF.COND.	13 3/8	1088.0	17 1/2	1104.0	1.50	LOT
INTERM.	9 5/8	2043.0	12 1/4	2044.0	1.50	LOT
OPEN HOLE		3070.0	8 1/2	3070.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
482	1.45			SW / BENTONITE 1	
1104	1.25	24.0		GLYDRIL 74	
1615	1.28	21.0		GLYDRIL 74	
2044	1.28	22.0		GLYDRIL 74	
2044	1.30	24.0		GLYDRIL 74	
3070	1.28	18.0		GLYDRIL 74	

Tynnslip i Søkeldirektoratet

Dybde	Enhet
2452.28	[m]
2456.01	[m]



2457.22	[m]
2466.03	[m]
2484.02	[m]
2501.26	[m]
2502.39	[m]

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]
5327_Formation_pressure_(Formasjonstrykk)	pdf	0.28

