



Generell informasjon





Brønnbane navn	7121/9-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7121/9-1
Seismisk lokalisering	DG0901/DG09M1 PSTM inline 1896 & crossline 2808
Utvinningsstillatelse	518
Boreoperatør	DONG E&P Norge AS
Boretillatelse	1381-L
Boreinnretning	AKER BARENTS
Boredager	46
Borestart	15.10.2011
Boreslutt	29.11.2011
Frigitt dato	10.08.2013
Publiseringsdato	10.08.2013
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	310.0
Totalt målt dybde (MD) [m RKB]	2458.0
Totalt vertikalt dybde (TVD) [m RKB]	2458.0
Maks inklinasjon [°]	2.9
Temperatur ved bunn av brønnbanen [°C]	85
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	KAPP TOSCANA GP
Geodetisk datum	ED50
NS grader	71° 15' 13.94" N
ØV grader	21° 42' 41.75" E
NS UTM [m]	7906075.02
ØV UTM [m]	525524.99
UTM sone	34
NPDID for brønnbanen	6728



Brønnhistorie

General

Well 7121/9-1 was drilled on the Zapffe prospect in the southern part of the Hammerfest Basin, ca 19 km west of the Goliat Field. The objective was to prove petroleum in Late Jurassic and Early Cretaceous reservoir rocks (Knurr and Hekkingen formations).

Operations and results

Wildcat well 7121/9-1 was spudded with the semi-submersible installation Aker Barents on and drilled to TD at 2458 m in Middle Jurassic sediments of the Kapp Toscana Group. A 9 7/8" pilot hole was drilled from 413 m to 855 m to check for shallow gas. No shallow gas was seen. Total rig time for the well was 47.8 days, of which 15.6 days (32.6%) were counted as non-productive time. The two main causes for the NPT were problems with cement at the 13 3/8" casing shoe (6.8 days) and WOW (3.2 days). The well was drilled with seawater and bentonite down to 855 m and with Glydril mud from 855 m to TD.

The well encountered top Knurr Formation at 1809 m with considerably thinner reservoir rocks and with poorer reservoir quality than expected. The Knurr Formation contained a hot-shale in the lower part with high gamma ray and up to 9 % TOC from 2027 to 2034 m. The Hekkingen Formation was encountered at 2018 m with the typical high gamma ray/high TOC Alge Member at its base, from 2292 m to 2318 m. There was no reservoir rock in the Hekkingen formation. Weak oil shows (weak, mostly blue-white direct and cut fluorescence) in sidewall cores from sandstone in the Knurr Formation and shales in the Hekkingen Formation.

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

The well was permanently abandoned on 29 November 2011 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sökkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
860.00	2458.00

Borekaks tilgjengelig for prøvetaking?	YES
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Palynologiske preparater i Sökkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
860.0	[m]	DC	FUGRO
880.0	[m]	DC	FUGRO



900.0 [m]	DC	FUGRO
920.0 [m]	DC	FUGRO
940.0 [m]	DC	FUGRO
960.0 [m]	DC	FUGRO
980.0 [m]	DC	FUGRO
1000.0 [m]	DC	FUGRO
1020.0 [m]	DC	FUGRO
1040.0 [m]	DC	FUGRO
1060.0 [m]	DC	FUGRO
1080.0 [m]	DC	FUGRO
1100.0 [m]	DC	FUGRO
1120.0 [m]	DC	FUGRO
1140.0 [m]	DC	FUGRO
1160.0 [m]	DC	FUGRO
1180.0 [m]	DC	FUGRO
1200.0 [m]	DC	FUGRO
1220.0 [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
1820.0 [m]	DC	FUGRO
1830.0 [m]	DC	FUGRO
1840.0 [m]	DC	FUGRO
1850.0 [m]	DC	FUGRO
1864.0 [m]	DC	FUGRO
1872.0 [m]	DC	FUGRO
1888.0 [m]	DC	FUGRO
1900.0 [m]	DC	FUGRO
1912.0 [m]	DC	FUGRO
1948.0 [m]	DC	FUGRO
1960.0 [m]	DC	FUGRO
1972.0 [m]	DC	FUGRO
1984.0 [m]	DC	FUGRO
1993.0 [m]	DC	FUGRO
2011.0 [m]	DC	FUGRO
2020.0 [m]	DC	FUGRO
2031.0 [m]	SWC	FUGRO
2034.0 [m]	SWC	FUGRO
2047.0 [m]	DC	FUGRO
2056.0 [m]	DC	FUGRO
2074.0 [m]	DC	FUGRO
2090.0 [m]	SWC	FUGRO
2107.0 [m]	DC	FUGRO
2119.0 [m]	DC	FUGRO
2128.0 [m]	DC	FUGRO
2155.0 [m]	SWC	FUGRO
2164.0 [m]	DC	FUGRO
2173.0 [m]	DC	FUGRO
2191.0 [m]	DC	FUGRO
2198.0 [m]	SWC	FUGRO
2205.0 [m]	SWC	FUGRO
2227.0 [m]	DC	FUGRO
2240.0 [m]	SWC	FUGRO
2254.0 [m]	DC	FUGRO
2264.0 [m]	SWC	FUGRO



2281.0	[m]	DC	FUGRO
2294.7	[m]	SWC	FUGRO
2299.0	[m]	SWC	FUGRO
2306.0	[m]	SWC	FUGRO
2310.0	[m]	SWC	FUGRO
2326.0	[m]	DC	FUGRO
2344.0	[m]	DC	FUGRO
2353.0	[m]	DC	FUGRO
2362.0	[m]	DC	FUGRO
2371.0	[m]	DC	FUGRO
2380.0	[m]	DC	FUGRO
2398.0	[m]	DC	FUGRO
2407.0	[m]	DC	FUGRO
2416.0	[m]	DC	FUGRO
2425.0	[m]	DC	FUGRO
2434.0	[m]	DC	FUGRO
2443.0	[m]	DC	FUGRO
2452.0	[m]	DC	FUGRO

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
351	NORDLAND GP
421	SOTBAKKEN GP
421	TORSK FM
900	NYGRUNNEN GP
900	KVITING FM
910	ADVENTDALEN GP
910	KOLMULE FM
1545	KOLJE FM
1809	KNURR FM
2081	HEKKINGEN FM
2318	FUGLEN FM
2328	KAPP TOSCANA GP

Logger



Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MSCT	1975	2440
MSIP HRLA PEX HNGS	350	2458
MWD LWD - PP ARCVIS	413	855
MWD LWD - PP ARCVIS SONVIS	855	1837
MWD LWD - TELE	350	413
MWD LWD - TELE ARCVIS SONVIS	413	855
VSI4	1249	2444
VSP	418	1295

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	36	410.0	42	412.0	0.00	LOT
SURF.COND.	20	849.0	26	855.0	0.00	LOT
PILOT HOLE		855.0	9 7/8	855.0	0.00	LOT
INTERM.	13 3/8	1298.5	17 1/2	1305.0	1.73	LOT
INTERM.	9 5/8	1832.0	12 1/4	1837.0	1.65	LOT
OPEN HOLE		2458.0	8 1/2	2458.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
862	1.24	16.0		Glydril WBM	
1250	1.24	19.0		Glydril WBM	
1305	1.29	21.0		Glydril	
1308	1.34	23.0		Glydril	
1311	1.34	22.0		Glydril	
2458	1.36	27.0		Glydril	
2458	1.34	26.0		Glydril	