



Generell informasjon





Brønnbane navn	7121/5-3
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7121/5-3
Seismisk lokalisering	ST9711. inline 1611& crossline 1348
Utvinningstillatelse	110
Boreoperatør	Den norske stats oljeselskap a.s
Boretillatelse	992-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	22
Borestart	16.02.2001
Boreslutt	09.03.2001
Frigitt dato	09.03.2003
Publiseringsdato	11.04.2003
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	345.0
Totalt målt dybde (MD) [m RKB]	2265.0
Totalt vertikalt dybde (TVD) [m RKB]	2261.5
Maks inklinasjon [°]	5.3
Temperatur ved bunn av brønnbanen [°C]	83
Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SNADD FM
Geodetisk datum	ED50
NS grader	71° 30' 55.53" N
ØV grader	21° 39' 42.61" E
NS UTM [m]	7935226.77
ØV UTM [m]	523420.77
UTM sone	34
NPDID for brønnbanen	4244



Brønnhistorie

General

Well 7121/5-3 is located southeast of Snøhvit and northeast of Albatross in the Hammerfest Basin in the Troms I area. Block 7121/5-3 is characterised by a set of east-west running faults cutting Middle Jurassic sediments. The main objective of well 7121/5-3 was to prove hydrocarbons in the "Delta" prospect sandstones of the Nordmela and Stø Formations of Early to Middle Jurassic age.

Operations and results

Wildcat well 7121/5-3 was drilled with the semi-submersible installation "Transocean Arctic". First, a 9 7/8" pilot hole was drilled from sea bed to 967 m. On 16 February 2001 well 7121/5-3 was spudded 24 m WNW of the pilot hole and drilled to a total depth of 2265 m in rocks of Late Triassic age (Snadd Formation). The well was drilled with seawater and bentonite down to 967 m, and with "GLYDRIL" mud with glycols from 967 to TD. In the "GLYDRIL" section the mud was a mixture of new and re-used mud from a previous well. MWD logs in the pilot hole showed that only Palaeocene and possibly Eocene sediments were preserved in the Tertiary section. Only a thin glaciomarine Quaternary sequence was present in the well. Good reservoir zones were recorded in the Stø, Nordmela and Tubåen Formation sandstones. The sand sequences of these formations proved to be water bearing. This was verified by interpretation of logs and MDT pressure measurements, though weak to good shows were recorded in cores from the reservoir intervals. Two cores were cut, the first in the Stø Formation sandstone and the second in the Tubåen Formation sandstone. Two water samples were taken, the first in the Stø Formation at 1881 m MD and the second in the Tubåen Formation at 1991 m MD. The well was permanently abandoned as a dry well with shows on 9 March 2001.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
980.00	2265.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1887.0	1915.0	[m]
2	1992.0	2017.6	[m]

Total kjerneprøve lengde [m]	53.6
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Kjerner tilgjengelig for prøvetaking? YES

Kjernebilder



1887-1892m



1892-1897m



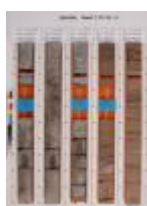
1897-1902m



1902-1907m



1907-1912m



1912-1994m



1994-1999m



1999-2004m



2004-2009m



2009-2014m



2014-2018m

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
369	NORDLAND GP
412	SOTBAKKEN GP
412	TORSK FM
844	NYGRUNNEN GP
844	KVITING FM
865	ADVENTDALEN GP
865	KOLMULE FM
1625	KOLJE FM
1790	KNURR FM
1832	HEKKINGEN FM
1880	KAPP TOSCANA GP



1880	STØ FM
1928	NORDMELA FM
1984	TUBÅEN FM
2034	FRUHOLMEN FM
2223	SNADD FM

Spleisede logger

Dokument navn	Dokument format	Dokument størrelse [KB]
4244	pdf	0.35

Dokumenter - rapportert av utvinningstillatelsen (frigitt ihht til regelverk)

Dokument navn	Dokument format	Dokument størrelse [KB]
4244_7121_5_3_COMPLETION_REPORT	.PDF	36.73

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CSI GR	440	2252
DSI CMR-PLUS ACTS	1863	2157
HALS PEX DSI ACTS	505	2262
MDT GR ACTS	1885	2232
MWD	369	967
MWD MPR	369	950
MWD MPR	967	1887
MWD MPR	1915	1992
MWD MPR	2019	2265
VSP	440	1490
VSP	1490	2252

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	429.0	36	430.0	0.00	LOT
SURF.COND.	13 3/8	960.0	17 1/2	960.0	1.65	LOT
OPEN HOLE		1500.0	12 1/4	1500.0	0.00	LOT
OPEN HOLE		2265.0	8 1/2	2265.0	0.00	LOT

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
431	1.03			DUMMY	
865	1.03			DUMMY	
950	1.03			DUMMY	
1138	1.25	19.0		GLYDRILL	
1500	1.25	14.0		GLYDRILL	
1741	1.25	14.0		GLYDRILL	
1881	1.25	13.0		GLYDRILL	
1887	1.25	14.0		GLYDRILL	
1992	1.25	14.0		GLYDRILL	
2019	1.25	14.0		GLYDRILL	
2229	1.25	14.0		GLYDRILL	
2265	1.25	13.0		GLYDRILL	

Tynnslip i Sokkeldirektoratet

Dybde	Enhet
1999.75	[m]
2003.25	[m]
2013.75	[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]
4244 Formation pressure (Formasjonstrykk)	pdf	0.28

