



Generell informasjon

Brønnbane navn	7222/1-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7222/1-1
Seismisk lokalisering	3D st 1002t10 psdm. Crossline 2440. Inline 1851
Utvinningstillatelse	226
Boreoperatør	Eni Norge AS
Boretillatelse	1629-L
Boreinnretning	SCARABEO 8
Boredager	50
Borestart	14.06.2016
Boreslutt	02.08.2016
Frigitt dato	01.01.2018
Publiseringsdato	20.02.2018
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	34.0
Vanndybde ved midlere havflate [m]	424.0
Totalt målt dybde (MD) [m RKB]	2400.0
Totalt vertikalt dybde (TVD) [m RKB]	2400.0
Maks inklinasjon [°]	1.5
Eldste penetrerte alder	PERMIAN
Eldste penetrerte formasjon	RØYE FM
Geodetisk datum	ED50
NS grader	72° 56' 45.94" N
ØV grader	22° 19' 26.18" E
NS UTM [m]	8100659.43
ØV UTM [m]	347066.29
UTM sone	35
NPDID for brønnbanen	7987



Brønnhistorie

Wellbore history

General

Well 7222/1-1 was drilled to test the Aurelia prospect on the northern part of the Loppa High in the Barents Sea. The objective was to prove hydrocarbons in the Triassic Snadd and Kobbe formations, and to test the prospectivity of the Early Permian Ørn Formation.

Operations and results

Wildcat well 7222/1-1 was spudded with the semi-submersible installation Scarabeo 8 on 14 June 2016. During coring at 1479.5 m, the string stalled and mud losses at 45 m³/hr occurred, resulting in a very short core and time spent on curing the mud losses. TD was set at 2400 m in the Late Permian Røye Formation, which was earlier than planned, due to slow drilling and several bit trips in massive chert. The well was drilled with seawater and hi-vis sweeps down to 737 m and with EMS-400 oil based mud from 737 m to TD.

The Carnian age reservoir in the Snadd Formation was penetrated at 1015m, and found to be water bearing. The sequence had a gross thickness of 115 m, and a net sand of 44.3 m, giving a net to gross value of 38.6%. Porosity of 22% was calculated for this reservoir zone, with dry gas shows observed. The Ladinian age Snadd reservoir was penetrated at 1181 m, and found to be water bearing. The reservoir zone had a gross thickness of 24.6 m, net sand of 15.5 m giving a net-to-gross value of 63.1%. Porosity of 18% was calculated, and as with the Snadd reservoir, dry gas shows were observed. Top Kobbe Formation reservoir was penetrated at 1464 m. The reservoir sandstone had a thickness of 33 m, and was found to be tight and water bearing. Calculated porosity was 12.5%, with very low permeability, as confirmed from the recovered core. The Steinkobbe Formation, an important Triassic age source rock for oil and gas in the Barents Sea, was penetrated in this well, from 1693 to 1969 m. The Late Permian Røye Formation was found to consist of tight, water-bearing carbonates.

Weak oil shows and wet gas were described on sandstone cuttings from the interval 1478 to 1522 m in the upper part of the Kobbe Formation.

One short core was cut from 1478 to 1479.53 m in the upper part of the Kobbe Formation. No fluid sample was taken.

The well was permanently abandoned on 2 August 2016 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
740.00	2399.00



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

Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1478.0	1479.5	[m]

Total kjerneprøve lengde [m]	1.5
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
458	NORDLAND GP
539	KAPP TOSCANA GP
539	SNADD FM
1464	SASSENDALEN GP
1464	KOBBE FM
1693	STEINKOBBE FM
1969	KLAPPMYSS FM
2075	HAVERT FM
2195	TEMPELFJORDEN GP
2195	RØYE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
HNGS XPT NGI	1107	1550
MWD - DIR	458	514
MWD - DIR GR RES	514	737
MWD - DIR GR RES SON	737	1015
MWD - DUMB IRON	1479	1542
MWD - DUMB IRON	1556	1556
MWD - GR RES CAL DEN NEU	2125	2125
MWD - GR RES DEN NEU SON	2338	2400



MWD - GR RES DEN NEU SON STETH	2125	2338
MWD - GR RES DIR SON	1015	1479
MWD - GR RES DIR SON ECD	1479	1556
MWD - GR RES DIR SON ECD LWD	1677	2125
MWD - GR RES SON STETH PRES	1556	1556
MWD - IRON DUMB	1556	1677
USIT CBL PPC GR LEH ECRD	434	2123
VSP GR LEH ECRD	515	2390
XPT GR LEH ECRD	2249	2320

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	505.6	42	511.0	0.00	
SURF.COND.	20	732.2	24	738.0	0.00	
		740.0		740.0	1.39	LOT
PILOT HOLE		740.0	8 1/2	740.0	0.00	
INTERM.	13 3/8	1007.8	16	1015.0	0.00	
		1018.0		1018.0	1.88	LOT
LINER	9 5/8	2124.0	12 1/4	2125.0	0.00	
		2128.0		2128.0	1.24	FIT
OPEN HOLE		2400.0	8 1/2	2400.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
458	1.03	1.0		--	
741	1.14	13.0		OB	
907	1.10	12.0		OB	
1015	1.20	16.0		OB	
1388	1.30	21.0		OB	
1542	1.22	13.0		OB	
1615	1.14	14.0		OB	
2095	1.10	14.0		OB	
2104	1.14	15.0		OB	
2277	1.10	14.0		OB	



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 19:36

2400	1.10	12.0		OB	
------	------	------	--	----	--