



Generell informasjon

Brønnbane navn	7318/12-2
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7318/12-2
Seismisk lokalisering	3 D SWB 12 PSDM.inline 1837.crossline 12115
Utvinningstillatelse	716
Boreoperatør	Eni Norge AS
Boretillatelse	1651-L
Boreinnretning	SCARABEO 8
Boredager	66
Borestart	13.01.2017
Boreslutt	22.03.2017
Frigitt dato	22.03.2019
Publiseringsdato	27.03.2019
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	34.0
Vanndybde ved midlere havflate [m]	418.0
Totalt målt dybde (MD) [m RKB]	3535.0
Totalt vertikalt dybde (TVD) [m RKB]	3535.0
Maks inklinasjon [°]	1.83
Eldste penetrerte alder	EARLY JURASSIC
Eldste penetrerte formasjon	NORDMELA FM
Geodetisk datum	ED50
NS grader	73° 7' 46.18" N
ØV grader	18° 43' 5.74" E
NS UTM [m]	8118888.70
ØV UTM [m]	620379.81
UTM sone	33
NPDID for brønnbanen	8106



Brønnhistorie

General

The 7318/12-2 is the replacement well for the 7318/12-1 Bone' well, which was abandoned due to unacceptable inclination in the top hole. The well is located in the Bjørnøya Basin of the Barents Sea. The primary objective was to test the 'Bone prospect in the Jurassic Realgrunnen Subgroup. Secondary objectives were the Triassic Fruholmen and Snadd Formations, depending on a success in the primary objective.

Operations and results

Wildcat well 7318/12-2 was spudded with the semi-submersible installation Scarabeo 8 on 13 January 2017 and drilled to TD at 3535 m in the Early Jurassic Nordmela Formation. No significant problem was encountered in the operations. By far the largest contribution to NPT was waiting on weather (63.7% of NPT). The well was drilled with seawater and hi-vis bentonite pills down to 833 m, and with EMS 4600 oil-based mud from 833 m to TD.

The Stø Formation, of the Realgrunnen Subgroup, was penetrated at a depth of 3417 m, and was found to be a very tight sandstone, with very low porosity and permeability. It was dry. There were no oil shows above the OBM in the well and the only significant formation gas in the well was a 63.2% gas peak at 2674 m, believed to be related to a fault. Based on this result the well was not extended to test the secondary Triassic targets.

No cores were cut. MDT fluid samples were taken at 3429 m, the only point that gave a valid pressure measurement. The samples recovered drilling mud only. A single open hole wire line temperature was recorded and indicated a temperature of 133 °C at 3522 m.

The well was permanently abandoned on 22 March 2017 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
840.00	3534.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
452	NORDLAND GP



452	NAUST FM
562	ADVENTDALEN GP
562	KOLMULE FM
2155	KOLJE FM
2550	KNURR FM
2864	HEKKINGEN FM
3380	FUGLEN FM
3417	KAPP TOSCANA GP
3417	STØ FM
3448	NORDMELA FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - ARC TELE	325	833
MWD - ARC TELE SONSC	383	835
MWD - PD ARC TELE SONSC	691	3057
MWD - PD GVR NEO SONSC TELE	3057	3476
MWD - TELE	56	508
PPC PQ SATURN PO IFA SC MS GR	3230	3522
USIT PPC CBL GR	1360	3047

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	499.0	42	508.0	0.00	
SURF.COND.	20	827.0	24	833.0	0.00	
PILOT HOLE		835.0	8 1/2	835.0	0.00	
		838.0		0.0	1.27	FIT
INTERM.	13 3/8	1517.7	17 1/2	1524.0	0.00	
		1527.0		0.0	1.36	FIT
LINER	9 5/8	3056.0	12 1/4	3057.0	0.00	
		3059.0		0.0	1.93	FIT
OPEN HOLE		3535.0	8 1/2	3535.0	0.00	

Boreslam



Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Fløytgrense [Pa]	Type slam	Dato, måling
495	1.03	1.0		--	
833	1.03	1.0		--	
833	1.30	22.0		--	
838	1.10	14.0		OB	
1238	1.14	18.0		OB	
1524	1.22	16.0		OB	
1524	1.14	18.0		OB	
1740	1.22	14.0		OB	
2017	1.20	15.0		OB	
2898	1.20	15.0		OB	
3126	1.22	16.0		OB	
3241	1.21	15.0		OB	
3354	1.22	15.0		OB	
3525	1.14	13.0		OB	
3525	1.22	17.0		OB	
3535	1.03	1.0		--	