



Generell informasjon





Brønnbane navn	7221/4-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Brønn navn	7221/4-1
Seismisk lokalisering	LN12M01 V16. inline 26910. crossline 29550
Utvinningsstillatelse	609
Boreoperatør	Lundin Norway AS
Boretillatelse	1810-L
Boreinnretning	WEST BOLLSTA
Boredager	53
Borestart	10.10.2020
Boreslutt	01.12.2020
Plugget og forlatt dato	01.12.2020
Frigitt dato	01.12.2022
Publiseringsdato	01.12.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	SHOWS
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	33.0
Vanndybde ved midlere havflate [m]	370.0
Totalt målt dybde (MD) [m RKB]	1570.0
Totalt vertikalt dybde (TVD) [m RKB]	1570.0
Maks inklinasjon [°]	1.2
Eldste penetrerte alder	LATE PERMIAN
Eldste penetrerte formasjon	RØYE FM
Geodetisk datum	ED50
NS grader	72° 36' 11.45" N
ØV grader	21° 17' 51.46" E
NS UTM [m]	8065468.76
ØV UTM [m]	309950.10
UTM sone	35
NPDID for brønnbanen	9009



Brønnhistorie

General

Well 7221/4-1 was drilled to test the Polmak prospect on the Loppa High in the Barents Sea. The primary objective was to test the reservoir properties and hydrocarbon potential of sandstone in the Early Triassic Kobbe Formation, Polmak prospect. The hydrocarbon potential in the Anarjok prospect in the lower Havert Formation, and the reservoir properties in the Permian Røye Formation were secondary objectives.

Operations and results

Wildcat well 7221/4-1 was spudded with the semi-submersible installation West Bollsta on 10 October 2020 and drilled to TD at 1570 m in the Late Permian Røye Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 470 m and with Hydraglide water-based mud from 470 m to TD.

The target Polmak sandstone was penetrated from 1355.7 to 1364 m and had indications of hydrocarbons as described below. No reservoir rocks were encountered in the secondary targets.

Weak shows, very slow streaming blue, fluorescent cut, were recorded at 910 and 970 m. At 110 m weak yellowish green crush cut fluorescence and weak residual ring was observed. The cored sandstone in the main target had shows in the form of faint hydrocarbon odour, patchy dull yellow direct fluorescence, fast cloudy bright yellow to blue cut fluorescence, bright white cut fluorescence residue, no visible cut. At 1407 and 1434 m very slow cloudy weak yellowish

to green cut fluorescence with dull blue to white residue ring was recorded.

Twenty-two meters of core was cut in two consecutive cores in the interval 1359 to 1381 at the Polmak target level in the Kobbe Formation. An ORA wire line fluid sample was obtained at 1357.2 m. The sample contained mud-contaminated water.

The well was permanently abandoned on 1 December 2022 as a dry well with shows.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
480.00	1569.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerter i Sokkeldirektoratet



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 11.5.2024 - 18:57

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	1359.0	1368.9	[m]
2	1368.9	1381.0	[m]

Total kjerneprøve lengde [m]	22.0
Kjerner tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
403	NORDLAND GP
494	ADVENTDALEN GP
494	KOLMULE FM
504	KAPP TOSCANA GP
504	SNADD FM
882	UNDIFFERENTIATED
1356	SASSENDALEN GP
1356	KOBBE FM
1356	NO FORMAL NAME
1418	STEINKOBBE FM
1435	KLAPPMYSS FM
1459	HAVERT FM
1564	NO FORMAL NAME
1565	TEMPELFJORDEN GP
1565	RØYE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
FMI MSIP	1281	1570
MWD - GR RES DIR PWD SON DEN CAL	1281	1570
MWD - GR RES DIR PWD SON DEN NEU	602	1277
MWD - PWD DIR	403	456
MWD - PWD DIR	470	588
MWD - PWD RES GR DIR SON	469	603



NEXT PEX HRLA HNGS	1281	1570
ORA	1356	1365

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	470.1	36	470.1	0.00	
INTERM.	20	602.5	26	608.0	1.51	FIT
INTERM.	9 5/8	1281.5	9 7/8	1281.5	1.53	LOT
OPEN HOLE		1286.5	12 1/4	1286.5	0.00	
OPEN HOLE		1570.0	8 1/2	1570.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
450	1.03	1.0	1.0	Sea Water	
450	1.18	8.0	20.0	Hydraglide Optima	
467	1.05	1.0	1.0	Bentonite Spud Mud	
500	1.21	12.0	24.0	Hydraglide Optima	
514	1.39	21.0	29.0	Hydraglide	
527	1.14	9.0	20.0	Hydraglyde Optima	
541	1.39	21.0	28.0	Hydraglide	
547	1.22	12.0	24.0	Hydraglide Optima	
578	1.39	19.0	13.8	Hydraglide	
608	1.20	17.0	29.5	Hydraglyde	
608	1.03	1.0	1.0	Seawater	
608	1.39	21.0	39.0	HydraGlyde	
1070	1.20	14.0	22.0	Hydraglyde Optima	
1277	1.18	14.0	24.0	Hydraglyde Optima	
1280	1.20	15.0	26.0	Hydraglyde Optima	
1287	1.22	14.0	27.0	Hydraglyde Optima	
1566	1.18	14.0	23.0	Other	
1570	1.18	14.0	23.0	Other	