



Generell informasjon

Brønnbane navn	7319/12-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Funn	7319/12-1 (Pingvin)
Brønn navn	7319/12-1
Seismisk lokalisering	inline 4643 & xline 2754
Utvinningstillatelse	713
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1541-L
Boreinnretning	TRANSOCEAN SPITSBERGEN
Boredager	18
Borestart	19.08.2014
Boreslutt	22.09.2014
Plugget og forlatt dato	22.09.2014
Frigitt dato	22.09.2016
Publiseringsdato	22.09.2016
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	PALEOCENE
1. nivå med hydrokarboner, formasjon.	TORSK FM
Avstand, boredekk - midlere havflate [m]	40.0
Vanndybde ved midlere havflate [m]	422.0
Totalt målt dybde (MD) [m RKB]	1540.0
Totalt vertikalt dybde (TVD) [m RKB]	1540.0
Maks inklinasjon [°]	2
Eldste penetrerte alder	LATE CRETACEOUS
Eldste penetrerte formasjon	KOLMULE FM
Geodetisk datum	ED50
NS grader	73° 2' 34.2" N
ØV grader	19° 46' 39.3" E



NS UTM [m]	8111682.34
ØV UTM [m]	655387.69
UTM sone	33
NPDID for brønnbanen	7555

Brønnhistorie

General

Well 7319/12-1 was drilled to test the Pingvin prospect on the Bjørnøya Basin in the Barents Sea. The primary objective was to prove commercial volumes of hydrocarbons in the Lower Tertiary/Upper Cretaceous Sandstone reservoir and to test the observed flatspot in the structure.

Operations and results

Wildcat well 7319/12-1 was spudded with the semi-submersible installation Transocean Spitsbergen on 19 August 2014 and drilled to TD at 1540 m in the Late Cretaceous Kolmule Formation. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis sweeps down to 936 m and with KCl/polymer/GEM mud from 936 m to TD.

The well penetrated Tertiary claystones and sandstones as well as Cretaceous claystones, limestones and sandstones. Gas was encountered in the Paleocene reservoir sandstones in the Torsk Formation. Top of reservoir was encountered at 953 m and the gas-water contact was at 967 m. The GWC corresponds to the flatspot at 1028 ms in the seismic. Shows in the cored interval (965 to 984 m) were described as "Faint to moderate Petroleum odour, yellowish white direct Fluorescence, slow streaming bluish white cut Fluorescence, white residual ring". Thin stringers with low GR and increased resistivity reading observed between 988 m to 1200 m could also indicate hydrocarbon bearing sandstones.

Three cores with a total recovery of 17.61 m were cut in the interval 965.5 to 988.1 m. Fluid samples were taken at 961.9 m (gas), 973.2 m (water), and 976.3 m (water).

The well was permanently abandoned on 22 September 2014 as a technical gas discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
940.00	1540.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	965.5	970.9	[m]
2	972.0	980.2	[m]
3	984.0	988.1	[m]

Total kjerneprøve lengde [m]	17.6
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
943.0	[m]	DC	ROBERTSO
946.0	[m]	DC	ROBERT
949.0	[m]	DC	ROBERT
952.0	[m]	DC	ROBERT
955.0	[m]	DC	ROBERT
958.0	[m]	DC	ROBERT
961.0	[m]	DC	ROBERT
964.0	[m]	DC	ROBERT
966.4	[m]	C	ROBERT
967.0	[m]	DC	ROBERT
969.8	[m]	C	ROBERT
973.4	[m]	C	ROBERT
976.5	[m]	C	ROBERT
979.1	[m]	C	ROBERT
984.6	[m]	C	ROBERT
988.0	[m]	C	ROBERT
991.0	[m]	DC	ROBERT
994.0	[m]	DC	ROBERT
997.0	[m]	DC	ROBERT
997.8	[m]	SWC	ROBERT
1000.0	[m]	DC	ROBERT
1003.0	[m]	DC	ROBERT
1006.0	[m]	DC	ROBERT
1009.0	[m]	DC	ROBERT
1015.0	[m]	DC	ROBERT
1021.0	[m]	DC	ROBERT



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 10:10

1027.0 [m]	DC	ROBERT
1033.0 [m]	DC	ROBERT
1039.0 [m]	DC	ROBERT
1045.0 [m]	DC	ROBERT
1051.0 [m]	DC	ROBERT
1063.0 [m]	DC	ROBERT
1075.0 [m]	DC	ROBERT
1087.0 [m]	DC	ROBERT
1099.0 [m]	DC	ROBERT
1099.5 [m]	SWC	ROBERT
1111.0 [m]	DC	ROBERT
1123.0 [m]	DC	ROBERT
1135.0 [m]	DC	ROBERT
1147.0 [m]	DC	ROBERT
1159.0 [m]	DC	ROBERT
1167.0 [m]	DC	ROBERT
1171.0 [m]	DC	ROBERT
1183.0 [m]	DC	ROBERT
1190.9 [m]	SWC	ROBERT
1195.0 [m]	DC	ROBERT
1207.0 [m]	DC	ROBERT
1208.5 [m]	SWC	ROBERT
1215.0 [m]	SWC	ROBERT
1219.0 [m]	DC	ROBERT
1231.0 [m]	DC	ROBERT
1243.0 [m]	DC	ROBERT
1255.0 [m]	DC	ROBERT
1279.0 [m]	DC	ROBERT
1291.0 [m]	DC	ROBERT
1303.0 [m]	DC	ROBERT
1320.0 [m]	DC	ROBERT
1330.0 [m]	DC	ROBERT
1340.0 [m]	DC	ROBERT
1350.0 [m]	DC	ROBERT
1370.0 [m]	DC	ROBERT
1380.0 [m]	DC	ROBERT
1390.0 [m]	DC	ROBERT
1400.0 [m]	DC	ROBERT
1420.0 [m]	DC	ROBERT
1430.0 [m]	DC	ROBERT



1440.0 [m]	DC	ROBERT
1460.0 [m]	DC	ROBERT
1470.0 [m]	DC	ROBERT
1490.0 [m]	DC	ROBERT
1500.0 [m]	DC	ROBERT
1510.0 [m]	DC	ROBERT
1520.0 [m]	DC	ROBERT
1530.0 [m]	DC	ROBERT
1540.0 [m]	DC	ROBERT

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
462	NORDLAND GP
462	UNDIFFERENTIATED
480	SOTBAKKEN GP
480	TORSK FM
988	NYGRUNNEN GP
988	KVEITE FM
1385	ADVENTDALEN GP
1385	KOLMULE FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT CMR GR	927	1159
MSCT GR	950	1215
MSCT GR	1099	1208
MSIP HRLA PEX ECS HNGS	462	1535
MWD - DIR	462	516
MWD - GR RES DIR APWD SON	489	936
MWD - GVR GR RES APWD DIR	936	1540
VSI4 GR	462	1520

Foringsrør og formasjonsstyrketester



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 15.5.2024 - 10:10

Type utforing	Utforing diam. [tommer]	Utforing dybde [m]	Brønnbane diam. [tommer]	Brønnbane dyp [m]	LOT/FIT slam eqv. [g/cm3]	Type formasjonstest
CONDUCTOR	30	513.0	36	516.0	0.00	
INTERM.	13 3/8	927.0	17 1/2	936.0	1.28	FIT
OPEN HOLE		1540.0	12 1/4	1540.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
516	1.35	7.0		Spud Mud	
528	1.16	18.0		KCl/Polymer/GEM	
910	1.12	26.0		KCl/Polymer/GEM	
936	1.20	18.0		KCl/Polymer/GEM	
956	1.12	25.0		KCl/Polymer/GEM	
966	1.12	25.0		KCl/Polymer/GEM	
1065	1.12	32.0		KCl/Polymer/GEM	
1540	1.14	27.0		KCl/Polymer/GEM	