



Generell informasjon

Brønnbane navn	7325/4-1
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	BARENTS SEA
Funn	7325/4-1 (Gemini Nord)
Brønn navn	7325/4-1
Seismisk lokalisering	HFC 11.inline 4920.crossline 14516
Utvinningstillatelse	855
Boreoperatør	Statoil Petroleum AS
Boretillatelse	1661-L
Boreinnretning	SONGA ENABLER
Boredager	16
Borestart	19.07.2017
Boreslutt	03.08.2017
Plugget og forlatt dato	03.08.2017
Frigitt dato	03.08.2019
Publiseringsdato	03.08.2019
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	STØ FM
2. nivå med hydrokarboner, alder	LATE TRIASSIC
2. nivå med hydrokarboner, formasjon	SNADD FM
Avstand, boredekk - midlere havflate [m]	32.0
Vanndybde ved midlere havflate [m]	447.0
Totalt målt dybde (MD) [m RKB]	1210.0
Totalt vertikalt dybde (TVD) [m RKB]	1210.0
Maks inklinasjon [°]	2.8
Temperatur ved bunn av brønnbanen [°C]	34



Eldste penetrerte alder	LATE TRIASSIC
Eldste penetrerte formasjon	SNADD FM
Geodetisk datum	ED50
NS grader	73° 38' 57.55" N
ØV grader	25° 10' 41.74" E
NS UTM [m]	8174015.52
ØV UTM [m]	442761.29
UTM sone	35
NPDID for brønnbanen	8211

Brønnhistorie

General

Well 7325/4-1 was drilled to test the Gemini prospect in the Hoop Fault Complex in the Barents Sea. The primary objective was to prove oil in the Realgrunnen Subgroup. Secondary objective was to test the Late Triassic Snadd Formation.

Operations and results

A 9 7/8" pilot well (7325/4-U-1) was spudded on 18 July 2017. It was drilled approximately 40 m south-east of the main well location. TD was set at 725 m in Hekkingen Formation, equivalent to the planned setting depth of the 13 3/8" surface casing shoe in the main well. No shallow reservoir was detected.

Wildcat well 7325/4-1 was spudded with the semi-submersible installation Songa Enabler on 19 July 2017 and drilled to TD at 1210 m in the Late Triassic Snadd Formation. Operations proceeded without significant problems, but the sidewall cores from the well were contaminated by a leak of hydraulic oil from the XL-Rock tool. The well was drilled with Seawater and hi-vis sweeps down to 731 m and with KCl/Pol/GEM water-based mud from 731 m to TD.

The top of the reservoir in the Stø Formation, Realgrunnen Subgroup, was encountered at 772 m. The reservoir was seen to be hydrocarbon-bearing, with an approximately 18.5 m gas column. Drop in resistivity and increase in oil shows indicate a gas-water contact at 790.5 m, but this is not conclusive. In the Snadd Formation, a thin oil zone was encountered in the top of a 33 m thick channel sandstone with top at 1120 m. The sandstone is tight, but oil was sampled at 1122.5 m. In addition to shows in the hydrocarbon-bearing reservoirs, oil shows in the form of direct and cut fluorescence, were recorded at 804 m and 843 m.

One core was cut from 773 to 818.4 m with 100% recovery. MDT fluid samples were taken at 790.2 m (gas), 803.5 m (water), 1122.5 m (oil), 1129.5 m (gas), and 859.7 m (water).

The well was permanently abandoned on 3 August 2017 as an oil and gas discovery.

Testing

No drill stem test was performed.



Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
735.00	1210.00

Borekaks tilgjengelig for prøvetaking?	YES
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Borekjerne i Sokkeldirektoratet

Kjerneprøve nummer	Kjerneprøve - topp dybde	Kjerneprøve - bunn dybde	Kjerneprøve dybde - enhet
1	773.0	818.4	[m]

Total kjerneprøve lengde [m]	45.4
Kjerner tilgjengelig for prøvetaking?	YES

Palynologiske preparater i Sokkeldirektoratet

Prøve dybde	Dybde enhet	Prøve type	Laboratorie
735.0	[m]	DC	CGG
738.0	[m]	SWC	CGG
741.5	[m]	SWC	CGG
750.0	[m]	DC	CGG
756.0	[m]	DC	CGG
762.0	[m]	DC	CGG
768.3	[m]	SWC	CGG
771.0	[m]	SWC	CGG
773.3	[m]	C	CGG
777.5	[m]	C	CGG
781.0	[m]	C	CGG
783.3	[m]	C	CGG
790.4	[m]	C	CGG
791.5	[m]	C	CGG
793.3	[m]	C	CGG
796.3	[m]	C	CGG
801.6	[m]	C	CGG
806.2	[m]	C	CGG
807.9	[m]	C	CGG
809.6	[m]	C	CGG
812.5	[m]	C	CGG



Faktasider

Brønnbane / Leting

Utskriftstidspunkt: 14.5.2024 - 19:22

816.0	[m]	C	CGG
818.3	[m]	C	CGG
825.0	[m]	DC	CGG
831.5	[m]	SWC	CGG
838.0	[m]	SWC	CGG
846.0	[m]	DC	CGG
853.3	[m]	SWC	CGG
861.0	[m]	DC	CGG
867.0	[m]	DC	CGG
873.0	[m]	DC	CGG
882.0	[m]	DC	CGG
888.0	[m]	DC	CGG
897.0	[m]	DC	CGG
903.0	[m]	DC	CGG
909.0	[m]	DC	CGG
918.0	[m]	DC	CGG
924.0	[m]	DC	CGG
930.0	[m]	DC	CGG
939.0	[m]	DC	CGG
945.0	[m]	DC	CGG
954.0	[m]	DC	CGG
960.0	[m]	DC	CGG
966.0	[m]	DC	CGG
975.0	[m]	DC	CGG
981.0	[m]	DC	CGG
998.8	[m]	SWC	CGG
1011.0	[m]	DC	CGG
1017.0	[m]	DC	CGG
1023.0	[m]	DC	CGG
1030.7	[m]	SWC	CGG
1038.0	[m]	DC	CGG
1044.0	[m]	DC	CGG
1050.6	[m]	SWC	CGG
1059.0	[m]	DC	CGG
1065.4	[m]	SWC	CGG
1074.0	[m]	DC	CGG
1092.0	[m]	DC	CGG
1098.0	[m]	DC	CGG
1110.0	[m]	DC	CGG
1116.7	[m]	SWC	CGG



1118.3	[m]	SWC	CGG
1134.0	[m]	DC	CGG
1140.0	[m]	DC	CGG
1146.0	[m]	DC	CGG
1155.0	[m]	DC	CGG
1164.6	[m]	SWC	CGG
1166.9	[m]	SWC	CGG
1182.0	[m]	DC	CGG
1188.5	[m]	SWC	CGG
1197.0	[m]	DC	CGG
1203.0	[m]	DC	CGG
1210.0	[m]	DC	CGG

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
479	NORDLAND GP
479	NAUST FM
523	ADVENTDALEN GP
523	KOLMULE FM
650	KOLJE FM
680	KNURR FM
692	HEKKINGEN FM
732	FUGLEN FM
772	KAPP TOSCANA GP
772	STØ FM
792	FRUHOLMEN FM
840	SNADD FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
CMR GR	767	1206
GPIT FMI	729	1206
MSIP HRLA PEX ECS	724	1199
MWD - ARC TELE	485	730
MWD - GVR ARC TELE	730	1210
PQ HY PO IFA SC MS GR	790	1168



PS HY PO PA IFA SC MS GR	797	1145
XL ROCK	738	1188

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	27	486.0	30	486.0	0.00	
INTERM.	13 3/8	724.0	17 1/2	730.0	0.00	
		735.0		0.0	2.54	FIT
OPEN HOLE		1210.0	12 1/4	1210.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
579	1.17	14.0		KCl/Polymer/GEM	
731	1.14	19.0		KCl/Polymer/GEM	
731	1.03	1.0		Seawater	
773	1.14	20.0		KCl/Polymer/GEM	
818	1.14	18.0		KCl/Polymer/GEM	
912	1.15	16.0		KCl/Polymer/GEM	
1035	1.14	16.0		KCl/Polymer/GEM	
1165	1.14	17.0		KCl/Polymer/GEM	
1210	1.17	17.0		KCl/Polymer/GEM	