



Generell informasjon

Brønnbane navn	35/9-13
Type	EXPLORATION
Formål	WILDCAT
Status	JUNKED
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	35/9-13
Seismisk lokalisering	HORDA (CGG 14003) Inline 8657. Xline 30375
Utvinningstillatelse	682
Boreoperatør	Spirit Energy Norge AS
Boretillatelse	1674-L
Boreinnretning	SONGA ENABLER
Boredager	27
Borestart	25.12.2017
Boreslutt	20.01.2018
Plugget dato	29.03.2018
Plugget og forlatt dato	29.03.2018
Frigitt dato	03.09.2019
Publiseringsdato	20.01.2020
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	NOT APPLICABLE
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	32.0
Vanndybde ved midlere havflate [m]	365.0
Totalt målt dybde (MD) [m RKB]	3223.0
Totalt vertikalt dybde (TVD) [m RKB]	3223.0
Maks inklinasjon [°]	1
Eldste penetrerte alder	EARLY CRETACEOUS
Eldste penetrerte formasjon	RØDBY FM
Geodetisk datum	ED50
NS grader	61° 25' 20.34" N
ØV grader	3° 49' 39.74" E
NS UTM [m]	6810270.95
ØV UTM [m]	544172.97



UTM sone	31
NPDID for brønnbanen	8288

Brønnhistorie

General

Well 35/9-13 was drilled to test the Tethys prospect on the Måløy slope in the northern North Sea. The primary objective was to test the hydrocarbon potential in Intra-Heather sandstone of Oxfordian age. Dependent on the results of the well, optional production testing was planned to test reservoir productivity, in addition to an optional side-track to further evaluate the prospect.

Operations and results

A 9 7/8" pilot hole was drilled 30 m off location from the 35/9-13 well. No shallow gas or water flow was observed.

Wildcat well 35/9-13 was spudded with the semi-submersible installation Songa Enabler on 25 December. At 2555 m in the Tryggvason Formation the bit drilled into a fault zone and total losses occurred. Losses were cured with fibrous materials and reduction of mud weight. Drilling of the 12 ¼ hole commenced to 3223 m in the Early Jurassic Rødby Formation. While running in hole with the 8 1/2" BHA the operation was stopped at 1770 m due to observation of a

water flow around the well head. The water flow was identified flowing outside the 20" casing because of bad cement bond. The water most likely came from ca 661 m in the top of a Paleogene sand. It was decided to P&A the well for safety reasons. The well was drilled with seawater and hi-vis pills down to 948 m, with KCl/GEM/polymer mud from 948 m to 1822 m, and with Innovert oil-based mud from 1822 m to TD.

The well did not fulfil its objectives.

The only log on wire line was a CBL log to evaluate the cement behind the casing and source of the shallow water flow. No reliable formation temperature could be recorded. No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 29 March 2018 as a junk well. Replacement well 35/9-14 was spudded ca 30 m to the south-east.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
960.00	3220.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
397	NORDLAND GP
590	UTSIRA FM
637	HORDALAND GP
661	NO FORMAL NAME
846	NO FORMAL NAME
875	ROGALAND GP
875	BALDER FM
938	SELE FM
952	LISTA FM
1302	VÅLE FM
1390	SHETLAND GP
1390	JORSALFARE FM
1519	KYRRE FM
2508	TRYGGVASON FM
2743	BLODØKS FM
2776	SVARTE FM
3168	CROMER KNOLL GP
3168	RØDBY FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - GR	399	464
MWD - GR RES	464	948
MWD - GR RES SON	399	950
MWD - GR RES SON	948	1822
MWD - GR RES SON NEU DEN USC	1822	3223

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	462.0	36	462.0	0.00	
SURF.COND.	20	942.0	26	948.0	1.35	FIT
INTERM.	13 3/8	1817.0	17 1/2	1822.0	1.50	FIT



LINER	9 5/8	3222.0	12 1/4	3224.0	0.00	
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Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
948	1.20	15.0		KCl/Polymer/GEM	
948	1.39	20.0		Spud Mud	
1024	1.20	13.0		KCl/Polymer/GEM	
1822	1.25	13.0		Innovert	
1822	1.20	11.0		KCl/Polymer/GEM	
1945	1.26	17.0		Innovert	
2555	1.26	13.0		Innovert	
3224	1.24	15.0		Innovert	
3224	1.23	10.0		KCl/Polymer/GEM	