



Generell informasjon

Brønnbane navn	31/7-3 A
Type	EXPLORATION
Formål	APPRAISAL
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	31/7-1 (Brasse)
Brønn navn	31/7-3
Seismisk lokalisering	Inline 5394. Xline 21631 (FP17 MO1)
Utvinningstillatelse	740
Boreoperatør	Faroe Petroleum Norge AS
Boretillatelse	1746-L
Boreinnretning	TRANSOCEAN ARCTIC
Boredager	33
Borestart	17.12.2018
Boreslutt	18.01.2019
Plugget og forlatt dato	18.01.2019
Frigitt dato	18.01.2021
Publiseringsdato	30.04.2021
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL/GAS
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	SOGNEFJORD FM
Avstand, boredekk - midlere havflate [m]	24.0
Vanndybde ved midlere havflate [m]	124.0
Totalt målt dybde (MD) [m RKB]	2863.0
Totalt vertikalt dybde (TVD) [m RKB]	2278.0
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	FENSFJORD FM
Geodetisk datum	ED50
NS grader	60° 26' 42.61" N
ØV grader	3° 3' 13.72" E
NS UTM [m]	6701149.23



ØV UTM [m]	502961.19
UTM sone	31
NPDID for brønnbanen	8644

Brønnhistorie

General

Well 31/7-3 A was drilled as an appraisal well on the 31/7-1 Brasse discovery on the Bjørgvin Arch in the North Sea. The objective was to test the reservoir characteristics and identify the fluids contact in the north-western

part of the Brasse discovery.

Operations and results

Appraisal well 31/7-3 A was kicked off below the 13 3/8" casing shoe at 925 m in primary well bore 31/7-3 S on 17 December 2018. It was drilled with the semi-submersible installation Transocean Arctic to TD at 2863 m (2278 m TVD) in the Middle Jurassic Fensfjord Formation. At 2661 m in the top 8 1/2" section the bit was damaged, causing 90 hrs NPT fishing for junk in hole. Otherwise, operations proceeded without significant problems. The well was drilled with Innovert oil-based mud from kick-off to TD.

The Sognefjord Formation came in at 2726 m (2154.6 m TVD). Sognefjord was predominantly siltstone and had poorer reservoir properties than expected. It was however hydrocarbon-bearing with GOC at 2740 m (2167 m TVD) and an ODT at 2792 m (2214 m TVD). MDT pressure data showed several fluid gradients, indicating differential depletion within a poorer quality Sognefjord formation reservoir compared to previous Brasse wells showing clearly defined gradients. No shows were recorded in the well, not even in the oil-bearing Sognefjord reservoir.

No cores were cut. Fluid samples were taken at 2730 m (gas), 2750 m (oil), 2771.26 m (oil) and 2791.5 m (oil).

The well was permanently abandoned on 18 January 2018 as an oil and gas appraisal.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
930.00	2863.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
148	NORDLAND GP
689	UTSIRA FM
852	HORDALAND GP
852	UNDIFFERENTIATED
2270	ROGALAND GP
2270	BALDER FM
2392	SELE FM
2468	LISTA FM
2634	VÅLE FM
2642	SHETLAND GP
2642	HARDRÅDE FM
2712	VIKING GP
2712	DRAUPNE FM
2726	SOGNEFJORD FM
2810	FENSFJORD FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - APWD RES GR DI	213	912
LWD - DI	148	213
LWD - GR APWD RES DI SON DEN POR	925	2863
MDT GR	2730	2796
PEX ZAIT XPT MSIP NGI	2655	2865

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	213.5	36	213.5	0.00	
INTERM.	13 3/8	906.0	17 1/2	912.0	0.00	
INTERM.	9 5/8	2655.0	12 1/4	2658.0	1.55	FIT
OPEN HOLE		2863.0	8 1/2	2863.0	0.00	

Boreslam



Dybde MD [m]	Egenvekt, slam [g/cm ³]	Viskositet, slam [mPa.s]	Fløtegrense [Pa]	Type slam	Dato, måling
882	1.41	27.0		INNOVERT	
1298	1.51	32.0		INNOVERT	
2543	1.24	18.0		INNOVERT	
2658	1.24	14.0		INNOVERT	
2658	1.51	28.0		INNOVERT	
2661	1.24	12.0		INNOVERT	
2760	1.24	15.0		INNOVERT	