



Generell informasjon

Brønnbane navn	35/11-24 B
Type	EXPLORATION
Formål	APPRAISAL
Status	PLUGGED
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	35/11-24 S (Swisher)
Brønn navn	35/11-24
Seismisk lokalisering	3D survey CGG18M01. Inline: 7451. X-line: 27437
Utvinningstillatelse	248 C
Boreoperatør	Equinor Energy AS
Boretillatelse	1831-L
Boreinnretning	WEST HERCULES
Boredager	19
Borestart	29.08.2020
Boreslutt	16.09.2020
Plugget dato	16.09.2020
Frigitt dato	16.09.2022
Publiseringsdato	16.09.2022
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
1. nivå med hydrokarboner, alder	LATE JURASSIC
1. nivå med hydrokarboner, formasjon.	INTRA HEATHER FM SS
Avstand, boredekk - midlere havflate [m]	31.0
Vanndybde ved midlere havflate [m]	356.0
Totalt målt dybde (MD) [m RKB]	3479.0
Totalt vertikalt dybde (TVD) [m RKB]	3118.4
Maks inklinasjon [°]	44.8
Temperatur ved bunn av brønnbanen [°C]	118
Eldste penetrerte alder	LATE JURASSIC
Eldste penetrerte formasjon	HEATHER FM



Geodetisk datum	ED50
NS grader	61° 5' 40.68" N
ØV grader	3° 23' 59.11" E
NS UTM [m]	6773554.73
ØV UTM [m]	521557.60
UTM sone	31
NPDID for brønnbanen	9131

Brønnhistorie

General

Well 35/11-24 B is a geological side-track to well 35/11-23 S on the Lomre terrace, 6km west of the Fram Vest field in the North Sea. Well 35/11-24 S (Swisher) found oil and gas in two Intra-Heather Formation sandstones. The objective of well 35/11-24 B was to test reservoir and hydrocarbons in both sandstones in the southern part of the structure.

Operations and results

Appraisal well 35/11-24 B was kicked off from 1528 m 35/11-23 S on 29 August 2020. It was drilled with the semi-submersible installation West Hercules to TD at 3479 m (3118.4 m TVD) m in Middle Jurassic claystone belonging to the Heather Formation. Operations proceeded without significant problems. The well was drilled with Versatec oil-based mud from kick-off to TD.

The upper Intra-Heather sand was not present in the well. The lower sand, from 3398 to 3401 m (3045 to 3048 m TVD), was poorly developed. This sand contains oil on the same pressure gradient as in well 35/11-24 S. The only shows in the well are recorded in this sand. The combined pressure data from all three wells indicate an oil-water contact for the lower Intra-Heather sand on the structure between 3037.5 and 3044 m TVD MSL.

No cores were cut in this well. MDT fluid samples were taken at 3364.1 m (water) and 3400 (oil).

The well was permanently abandoned on 16 September 2020 as an oil appraisal well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1540.00	3479.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi



Topp Dyb [mMD RKB]	Litostrat. enhet
387	NORDLAND GP
387	NO FORMAL NAME
771	UTSIRA FM
871	HORDALAND GP
871	NO FORMAL NAME
1708	ROGALAND GP
1708	BALDER FM
1761	SELE FM
1780	LISTA FM
1947	VÅLE FM
2099	SHETLAND GP
2099	JORSALFARE FM
2327	KYRRE FM
2876	SVARTE FM
2903	CROMER KNOLL GP
2903	RØDBY FM
2936	SOLA FM
3001	ÅSGARD FM
3044	VIKING GP
3044	DRAUPNE FM
3331	HEATHER FM
3398	INTRA HEATHER FM SS
3401	HEATHER FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MDT DP GR	3353	3355
MDT GR	3353	3401
MSCT	3306	3406
MSIP NGI	2880	3475
MWD - GR RES DIR ECD	1528	3480
NEXT NMR	3272	3474
VSP	1458	3570
ZAIT PEX HGNT	3191	3478



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
LINER	9 5/8	3193.0	12 1/4	3194.0	1.60	FIT
OPEN HOLE		3479.0	8 1/2	3479.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
2088	1.37	33.0	9.5	Versatec	
3328	1.25	20.0	8.0	Versatec	
3479	1.25	21.0	7.5	Versatec	