Generell informasjon

Brønnbane navn	34/7-37 S
Type	EXPLORATION
Formål	WILDCAT
Status	P&A
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Brønn navn	34/7-37
Seismisk lokalisering	Inline: 3510. X-line: 28891. 3D survey: CGG18M01
Utvinningstillatelse	089
Boreoperatør	Equinor Energy AS
Boretillatelse	1832-L
Boreinnretning	DEEPSEA ATLANTIC
Boredager	33
Borestart	31.10.2020
Boreslutt	02.12.2020
Plugget og forlatt dato	02.12.2020
Frigitt dato	02.12.2022
Publiseringsdato	02.12.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	DRY
Funnbrønnbane	NO
Avstand, boredekk - midlere havflate [m]	30.0
Vanndybde ved midlere havflate [m]	142.0
Totalt målt dybde (MD) [m RKB]	2785.0
Totalt vertikalt dybde (TVD) [m RKB]	2784.0
Maks inklinasjon [°]	3.6
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	HEATHER FM
Geodetisk datum	ED50
NS grader	61° 15' 17.83'' N
ØV grader	2° 1' 29.97'' E
NS UTM [m]	6791737.51
ØV UTM [m]	447687.77
UTM sone	31
NPDID for brønnbanen	9138

Brønnhistorie

General

Well 34/7-37 S was drilled to test the Fjell prospect in the Tampen Spur area in the North Sea. The well is situated south of the Borg Field, and the primary objective was to test Intra-Draupne Formation sandstone (Munin Mbr), analogues to the Borg Field.

Operations and results

Two off-location Pilot wells 34-7-U-26 and 34/7-U-27 were drilled prior to the primary well, to TDs at 427 m and 380 m, respectively. Both encountered shallow gas and the casing design of the primary well was adjusted accordingly.

Wildcat well 34/7-37 S was spudded with the semi-submersible installation Deepsea Atlantic on 31 October 2020 and drilled to TD at 2785 m (2784 m TVD) m in the Middle Jurassic, Heather Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 580 m and with Carbosea oil-based mud from 580 to 2558 m and with Syn-Tec oil-based mud from 2558 m to TD.

The target Intra-Draupne Formation sandstone was not present in the well. There were no shows in the well

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 2 December 2020 as a dry well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
410.00	2785.00

Borekaks tilgjengelig for prøvetaking?	YES

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
172	NORDLAND GP
172	NAUST FM
850	UNDIFFERENTIATED
1015	HORDALAND GP
1752	ROGALAND GP
1752	BALDER FM

1800	LISTA FM
1932	VÅLE FM
1958	SHETLAND GP
1958	JORSALFARE FM
2169	KYRRE FM
2641	CROMER KNOLL GP
2641	RØDBY FM
2644	MIME FM
2655	VIKING GP
2655	DRAUPNE FM
2735	HEATHER FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - GR RES	226	403
MWD - GR RES DIR	403	2555
MWD - GR RES NEU DEN SON DIR	2555	2785

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	36	221.5	42	225.0	0.00	
INTERM.	20	395.0	26	403.0	1.35	FIT
LINER	17	573.4	17 1/2	577.0	1.50	FIT
INTERM.	13 3/8	1650.6	16	1659.0	1.65	FIT
LINER	9 5/8	2553.0	12 1/4	2555.0	1.80	FIT
OPEN HOLE		2785.0	8 1/2	2785.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
403	1.14	13.0	12.0	Aquadrill	
712	1.20	27.0	9.5	CARBOSEA	
1648	1.30	30.0	10.5	CARBOSEA	
1659	1.27	34.0	11.0	CARBOSEA	

1659	1.43	45.0	12.0	CARBOSEA	
1659	1.41	45.0	11.5	CARBOSEA	
1805	1.47	48.0	15.0	CARBOSEA	
2555	1.50	18.0	9.0	SynTeq	
2785	1.27	10.0	12.0	Aquadrill	
2785	1.50	18.0	11.0	SynTeq	