



Generell informasjon

Brønnbane navn	34/7-E-4 AH
Type	EXPLORATION
Formål	WILDCAT
Status	PLUGGED
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	VIGDIS
Funn	34/7-E-4 AH (Lomre)
Brønn navn	34/7-E-4
Seismisk lokalisering	Inline: 3872. X-line: 6518. 3D survey: SG9701
Utvinningstillatelse	089
Boreoperatør	Equinor Energy AS
Boretillatelse	1811-L
Boreinnretning	TRANSOCEAN NORGE
Boredager	36
Borestart	08.06.2020
Boreslutt	13.07.2020
Plugget dato	13.07.2020
Frigitt dato	13.07.2022
Publiseringsdato	08.08.2022
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	MIDDLE JURASSIC
1. nivå med hydrokarboner, formasjon.	RANNOCH FM
Avstand, boredekk - midlere havflate [m]	32.9
Vanndybde ved midlere havflate [m]	283.0
Totalt målt dybde (MD) [m RKB]	4455.0
Totalt vertikalt dybde (TVD) [m RKB]	2546.0
Eldste penetrerte alder	MIDDLE JURASSIC
Eldste penetrerte formasjon	RANNOCH FM
Geodetisk datum	ED50
NS grader	61° 23' 54.99" N



ØV grader	2° 4' 4.33" E
NS UTM [m]	6807705.29
ØV UTM [m]	450216.61
UTM sone	31
NPDID for brønnbanen	9010

Brønnhistorie

General

Well 34/7-E-4 AH was drilled to test the Lomre prospect on Tampen Spur, north of the Vigdis Field and south-west of the Snorre Field. The primary objective was to prove the presence of oil in the Rannoch Formation (Brent Group).

Operations and results

Wildcat well 34/7-E-4 AH was drilled as a geological side-track from existing development well 34/7-E-4 H on the Vigdis field. The 34/7-E-4 AH side-track was kicked off at 1172 m with the semi-submersible installation Transocean Norge on 8 June 2020. This hole was drilled to 4436 m (2495.2 m TVD) where total losses occurred, which required cementing back the hole and kicking off a technical side-track 34/7-E-4 AH T2 from 3783 m. This hole was drilled to final TD at 4448 m (2541.2 m TVD) in the Middle Jurassic Rannoch Formation. The well was drilled with Versatech oil-based mud from kick-off to TD.

Indications from gas logging and resistivity measurements suggest water filled sands in Lista Formation at the well location. The well penetrated top reservoir in the Rannoch Formation, at 4366 m (2490.1 m TVD). The well continued through the Rannoch Formation and TD was set in the shale-dominated lower Rannoch Formation. The Rannoch Formation contained both an oil and a water leg. Pressure points suggest a reservoir pressure depleted relative to initial pressures seen in the Vigdis field. No oil shows are described in the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 12 July 2020 as an oil discovery.

Testing

No drill stem test was performed.

Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
1136	HORDALAND GP
1136	UNDIFFERENTIATED
1913	ROGALAND GP
1913	BALDER FM
1997	LISTA FM



2234	SHETLAND GP
2234	UNDIFFERENTIATED
4345	CROMER KNOLL GP
4345	RØDBY FM
4355	MIME FM
4366	BRENT GP
4366	RANNOCH FM

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
MWD - GR RES	1172	2355
MWD - GR RES	2354	3849
MWD - GR RES DEN NEU FPWD	3849	4436

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
SURF.COND.	13 3/8	2344.9	16	2433.0	1.77	FIT
LINER	9 5/8	3777.0	12 1/4	3849.0	1.72	FIT
OPEN HOLE		4436.0	8 1/2	4436.0	0.00	