



Generell informasjon

Brønnbane navn	24/9-15 S
Type	EXPLORATION
Formål	WILDCAT
Status	PLUGGED
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Funn	24/9-15 S (Froskelår Nordøst)
Brønn navn	24/9-15
Seismisk lokalisering	D0-06. SP462
Utvinningstillatelse	340
Boreoperatør	Aker BP ASA
Boretillatelse	1751-L
Boreinnretning	SCARABEO 8
Boredager	21
Borestart	29.03.2019
Boreslutt	18.04.2019
Plugget dato	18.04.2019
Frigitt dato	18.04.2021
Publiseringsdato	30.04.2021
Opprinnelig formål	WILDCAT
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	YES
1. nivå med hydrokarboner, alder	EOCENE
1. nivå med hydrokarboner, formasjon.	HORDALAND GP
Avstand, boredekk - midlere havflate [m]	34.0
Vanndybde ved midlere havflate [m]	119.0
Totalt målt dybde (MD) [m RKB]	4310.0
Totalt vertikalt dybde (TVD) [m RKB]	1934.0
Eldste penetrerte alder	EOCENE
Eldste penetrerte formasjon	HORDALAND GP
Geodetisk datum	ED50
NS grader	59° 20' 29.04" N
ØV grader	1° 49' 55.35" E
NS UTM [m]	6578803.03



ØV UTM [m]	433562.43
UTM sone	31
NPDID for brønnbanen	8675

Brønnhistorie

General

Well 24/9-15 S was drilled to test the Froskelår North East Prospect in the Vana Sub-basin in the North Sea. The primary objective was to evaluate the hydrocarbon potential in Intra-Hordaland Group injectite sands.

Operations and results

Wildcat well 24/9-15 S was part of a compound well consisting of exploration well bores and development well bores. The compound well was drilled with the mother bore, 24/9-M-4 Y1H, initially drilled to 13⅜" casing point in the Hordaland Group. From this depth the planned exploration wells, 24/9-15 S, ST2 & A, were drilled before operations to drill the Frosk Test Producers recommenced.

Wildcat well 24/9-15 S was kicked off below the 13⅜" casing shoe at 1818 m in 24/9-M-4 Y1H on 29 March 2019. It was drilled with the semi-submersible installation Scarabeo 8 to TD at 4310 m (1900 m TVD) m in the Hordaland Group. Drilling problems required the well to be plugged back. A technical side-track, 24/9-15 ST2, was kicked off from 1838 m and successfully drilled to planned TD at 4310 m (1900m TVD). The well was drilled deviated with inclination between 50° and 84°. It was drilled with Innover oil-based mud from kick-off to TD.

A total oil column of 49 m TVD was observed in 24/9-15 S and ST2, in an injectite sand complex with top at 3900 m (1821 m TVD). Average porosity was 32% with an 18% net/gross in the pay zone. A sharp oil-water contact (OWC) was seen on the logs at 4077 m (1870 m TVD) in the uppermost part of a massive sand. Pressure data indicated the contact could be up to 7 m TVD deeper. There were no shows above OBM throughout the well.

No cores were cut. No fluid sample was taken. The HRH SPECTRA gas monitoring system was run on rig to detect hydrocarbons and fluid type.

The well was plugged back for side-tracking on 18 April 2019. It is classified as an oil discovery.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1820.00	4067.00

Borekaks tilgjengelig for prøvetaking?	YES
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Litostratigrafi

Topp Dyb [mMD RKB]	Litostrat. enhet
153	NORDLAND GP
153	UNDIFFERENTIATED
327	UTSIRA FM
518	HORDALAND GP
518	SKADE FM
781	UNDIFFERENTIATED
1318	GRID FM
1737	UNDIFFERENTIATED
4007	NO FORMAL NAME

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - GR DIR RES PWD NEU DEN IDS	1821	4074

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
OPEN HOLE		1821.0	9 1/2	4063.0	0.00	
OPEN HOLE		1838.0	9 1/2	4310.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	flytegrense [Pa]	Type slam	Dato, måling
1818	1.37			Oil	
1825	1.38			Oil	
2707	1.38			Oil	
3336	1.38			Oil	
4073	1.42			Oil	
4073	1.38			Oil	
4194	1.39			Oil	
4310	1.39			Oil	

