Generell informasjon

Brønnbane navn	24/9-15 A
Type	EXPLORATION
Formål	APPRAISAL
Status	PLUGGED
Pressemelding	lenke til pressemelding
Faktakart i nytt vindu	lenke til kart
Hovedområde	NORTH SEA
Felt	BØYLA
Funn	24/9-12 S (Frosk)
Brønn navn	24/9-15
Seismisk lokalisering	
Utvinningstillatelse	340
Boreoperatør	Aker BP ASA
Boretillatelse	1752-L
Boreinnretning	SCARABEO 8
Boredager	6
Borestart	19.04.2019
Boreslutt	24.04.2019
Plugget dato	24.04.2019
Frigitt dato	24.04.2021
Publiseringsdato	30.04.2021
Opprinnelig formål	APPRAISAL
Gjenåpnet	NO
Innhold	OIL
Funnbrønnbane	NO
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]	3853.0
Totalt vertikalt dybde (TVD) [m RKB]	1844.0
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	8676

Brønnhistorie

General

Well 24/9-15 A is a geological side-track to 24/9-15 S drilled to test the Froskelår North East Prospect in the Vana Sub-basin in the North Sea. The primary objective of 24/9-15 A was to investigate the existence of two dykes in the

Northern extension of the Frosk injectite complex.

Operations and results

Appraisal well 24/9-15 A 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 A was kicked off below the 13⅜" casing shoe at 1870 m in 24/9-M-4 Y1H on 19 April 2019. The well started off with 55° inclination at kick-off and drilled horizontal from ca 3200 m. At 3853 m a pressure-drop of 87 bar and loss of circulation occurred, and it was decided to abandon the hole without reaching the second targeted dyke and to preserve the main bore for the Frosk test producer wells. Hence, 3853 m (1843.6 m TVD) in the Hordaland Group shales became TD of the well. The well was drilled with oil-based mud from kick-off top TD.

The eastern dyke (injectite sand) was penetrated from 3151.5 m to 3252.7 m (1841.4 to 1843.3 m TVD). The dyke was oil-bearing, but no hydrocarbon contacts were seen. Fair patchy whitish blue direct fluorescence above the OBM was observed in the dyke sand, else no oil shows were observed in 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 and abandoned on 24 April 2019 as an oil appraisal well.

Testing

No drill stem test was performed.

Borekaks i Sokkeldirektoratet

Borekaksprøve, topp dybde [m]	Borekaksprøve, bunn dybde [m]
1840.00	3830.00

Borekaks tilgjengelig for prøvetaking?	YES

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
3152	NO FORMAL NAME
3253	UNDIFFERENTIATED

Logger

Type logg	Topp dyp for logg [m]	Bunn dyp for logg [m]
LWD - GR RES DEN NEU VDR PWD	1870	3853

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		1870.0	9 1/2	3853.0	0.00	

Boreslam

Dybde MD [m]	Egenvekt, slam [g/cm3]	Viskositet, slam [mPa.s]	Flytegrense [Pa]	Type slam	Dato, måling
1903	1.38			Oil	
3668	1.38			Oil	
3853	1.42			Oil	
3853	1.38			Oil	