

**General information**

Wellbore name	24/9-12 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Field	BØYLA
Discovery	24/9-12 S (Frosk)
Well name	24/9-12
Seismic location	DN15M01 IL 17793 DN15M01 XL 9475
Production licence	340
Drilling operator	Aker BP ASA
Drill permit	1682-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	17
Entered date	09.02.2018
Completed date	25.02.2018
Plugged and abandon date	25.02.2018
Release date	25.02.2020
Publication date	25.02.2020
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL/GAS
Discovery wellbore	NO
1st level with HC, age	EOCENE
1st level with HC, formation	HORDALAND GP
2nd level with HC, age	EOCENE
2nd level with HC, formation	HORDALAND GP
Kelly bushing elevation [m]	24.0
Water depth [m]	120.0
Total depth (MD) [m RKB]	3000.0
Final vertical depth (TVD) [m RKB]	2162.0
Maximum inclination [°]	77.5
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	SELE FM
Geodetic datum	ED50
NS degrees	59° 20' 58.95" N



EW degrees	1° 49' 48.47" E
NS UTM [m]	6579730.07
EW UTM [m]	433469.98
UTM zone	31
NPDID wellbore	8332

Wellbore history

General

Well 24/9-12 A was drilled to appraise the Frosk Eocene injectite oil discovery made by well 24/9-12 S in the Vana Sub-basin in the North Sea. The primary objective was to drill higher up on the injectite complex and investigate the presence of sands and a possible gas-oil contact.

Operations and results

Appraisal well 24/9-12 A was kicked off at 1370 m in wellbore 24/9-12 S on 9 February 2018. It was drilled with the semi-submersible installation Transocean Arctic to 1553 m where the hole collapsed and was abandoned. A technical side-track was initiated on 12 February 2018 with kick-off at 1330 m. This wellbore was drilled successfully to final TD at 3000 m (2326 m TVD) m in the Paleocene Sele Formation. The well was drilled with EMS 4600 oil-based mud from kick-off to TD.

Top of the Frosk injectite complex was encountered at 2263.8 m (1793.7 m TVD). The main injectite sand was penetrated from 2433.3 to its base at 2522.5 m (1837.2 to 1866.9 m TVD) and was oil filled from top to base. Three valid pressure points in two thin sands at the top of the injection complex indicated gas with a possible GOC at ca 2331 m (1810 m TVD). The Hermod Formation was not present in 24/9-12 A. There were no oil shows above OBM in the well.

No core was cut. No logs were run on wire line and no fluid sample was taken.

The well was permanently abandoned on 25 February 2018 as an oil and gas appraisal well

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1340.00	3000.00

Cuttings available for sampling?	YES
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Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
124	NORDLAND GP
274	UTSIRA FM
875	HORDALAND GP
875	UNDIFFERENTIATED
1120	GRID FM
1316	UNDIFFERENTIATED
2701	ROGALAND GP
2701	BALDER FM
2856	SELE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - DIR GR RES NEU DEN PR NMR	1370	1553
T2 - LWD - DIR GR RES NEU DEN PR	1318	3000

Casing and leak-off tests

Casing type	Casing diam. [inch]	Casing depth [m]	Hole diam. [inch]	Hole depth [m]	LOT/FIT mud eqv. [g/cm3]	Formation test type
CONDUCTOR	36	154.5	36	154.5	0.00	
OPEN HOLE		3000.0	9 1/2	3000.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
920	1.02			EMS 4600	
920	1.42	27.0		EMS 4600	
1241	1.39	25.0		EMS 4600	
1241	1.41	27.0		EMS 4600	
1325	1.41	26.0		EMS 4600	
1325	1.39	25.0		EMS 4600	
1950	1.40	24.0		EMS 4600	
2336	1.41	25.0		EMS 4600	



2599	1.40	23.0		EMS 4600	
3000	1.42	26.0		EMS 4600	