General information

Wellbore name	25/2-18 B
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	HUGIN
Discovery	25/2-18 S (Langfjellet)
Well name	25/2-18
Seismic location	DN13303-04010. SP 1295 / DN13303-02005. SP 1214
Production licence	442
Drilling operator	Aker BP ASA
Drill permit	1640-L
Drilling facility	MAERSK INTERCEPTOR
Drilling days	12
Entered date	19.10.2016
Completed date	30.10.2016
Release date	30.10.2018
Publication date	30.10.2018
Purpose - planned	APPRAISAL
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	55.0
Water depth [m]	121.0
Total depth (MD) [m RKB]	4335.0
Final vertical depth (TVD) [m RKB]	3803.0
Maximum inclination [°]	47.6
Bottom hole temperature [°C]	127
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	SLEIPNER FM
Geodetic datum	ED50
NS degrees	59° 49' 30.11'' N
EW degrees	2° 37' 54.1'' E
NS UTM [m]	6632137.57
EW UTM [m]	479347.43
UTM zone	31
NPDID wellbore	8056

Wellbore history

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General

Well 25/2-18 B is the second geological sidetrack to well 25/2-10 S, located on the Bjørgvin Arch, four kilometers south of the 25/2-10 S (Frigg Gamma Delta) oil/gas discovery and eight kilometers north of the Frøy field in the North Sea. The 25/2-18 S well and the first sidetrack proved oil in the Middle Jurassic Hugin Formation, the Langfjellet prospect. The sidetrack 25/2-18 B was drilled to the north of the main wellbore located in a separate segment of the Langfjellet structure. The objective for 25/2-18 B was to test the hydrocarbon potential in Hugin and Sleipner Formations.

Operations and results

Appraisal well 25/2-18 B was kicked off at 1570 m in the main well bore on 19 October 2016. It was drilled with the jack-up installation Mærsk Interceptor to TD at 4335 m (3803 m TVD) m in the Middle Jurassic Sleipner Formation. No significant problem was encountered in the operations. The well was drilled with Versatec oil based mud from kick-off to TD.

The Hugin Formation came in at 3977 m (3457 m TVD), and the Sleipner Formation came in at 4100 m (3576 m TVD) In general, reservoir distribution and properties were in accordance with the previous sidetrack, but entirely water bearing in this location. There were no shows above the OBM in the well.

No conventional cores were cut. MDT fluid samples were taken at 4017.69 m.

The well was permanently abandoned on 30 October as a dry well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1570.00	4335.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
176	NORDLAND GP
506	UTSIRA FM
642	HORDALAND GP
642	SKADE FM
1446	UNDEFINED GP
1542	HORDALAND GP
2152	ROGALAND GP
2152	BALDER FM
2234	SELE FM
2321	HERMOD FM
2448	LISTA FM
2741	VÅLE FM
2823	SHETLAND GP
2823	EKOFISK FM
2894	HARDRÅDE FM
3249	KYRRE FM
3504	TRYGGVASON FM
3658	BLODØKS FM
3665	SVARTE FM
3700	CROMER KNOLL GP
3700	RØDBY FM
3772	SOLA FM
3791	ÅSGARD FM
3828	VIKING GP
3828	DRAUPNE FM
3906	HEATHER FM
3977	VESTLAND GP
3977	HUGIN FM
4100	SLEIPNER FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - DI GR RES NEU SON	1570	4335
MSCT GR	3848	4326
RES DEN NEUI PRESS	3979	4290

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	30	214.0	36	222.0	0.00	
SURF.COND.	20	444.5	26	450.0	1.32	LOT
PILOT HOLE		450.0	9 7/8	450.0	0.00	
SURF.COND.	13 3/8	1533.5	16	1541.0	1.58	FIT
INTERM.	9 5/8	3826.0	12 1/4	3832.0	1.28	FIT
OPEN HOLE		4335.0	8 1/2	4335.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1483	1.30	24.0		Versatec	
1690	1.40	31.0		Versatec	
1960	1.38	32.0		Versatec	
2996	1.38	34.0		Versatec	
3531	1.38	34.0		Versatec	
3824	1.17	21.0		Versatec	
3832	1.40	31.0		Versatec	
4335	1.17	21.0		Versatec	