

**General information**

Wellbore name	25/8-17 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	JETTE
Discovery	25/8-17 Jette
Well name	25/8-17
Seismic location	xline 4558 & inline 1341 NO07M01
Production licence	027 D
Drilling operator	ExxonMobil Exploration and Production Norway AS
Drill permit	1288-L
Drilling facility	BREDFORD DOLPHIN
Drilling days	17
Entered date	30.10.2009
Completed date	15.11.2009
Release date	15.11.2011
Publication date	15.11.2011
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
Discovery wellbore	NO
1st level with HC, age	PALEOCENE
1st level with HC, formation	HEIMDAL FM
Kelly bushing elevation [m]	25.0
Water depth [m]	127.0
Total depth (MD) [m RKB]	2945.0
Final vertical depth (TVD) [m RKB]	2179.0
Maximum inclination [°]	66.2
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	TY FM
Geodetic datum	ED50
NS degrees	59° 23' 32.14" N
EW degrees	2° 20' 2.2" E
NS UTM [m]	6584073.73



EW UTM [m]	462168.23
UTM zone	31
NPDID wellbore	6261

Wellbore history

General

Well 25/8-17 A is a sidetrack to the Jetta well 25/8-17 south of the Jotun Field in the North Sea. Well 25/8-17 discovered oil in thin Paleocene Heimdal Formation sandstones. The objective of the sidetrack was to test thicker Heimdal sands, believed to be developed towards the north-east of the primary well bore. TD of the sidetrack was planned to be approximately 25 m into the first water bearing sand of the Ty Formation.

Operations and results

Appraisal well 25/8-17 A was kicked off from the main wellbore, 25/8-17 on 30 October 2009, using the semisubmersible installation Bredford Dolphin. The kick-off point was at 1104 and the well was drilled without significant problems to 2945 m (2179 m TVD) in the Late Paleocene Ty Formation. The well was drilled with XP-07 oil based mud from kick-off to TD.

The target Heimdal formation was encountered at 2693.94 m (2051 m TVD). The upper part consisted mostly of claystones. Sandstones were penetrated from 2752 m (2075 m TVD) and were found to be hydrocarbon bearing with gas in the upper sand and oil further down. The sands had varying quality, and were partly calcite cemented, but Heimdal contained a massive oil bearing sandstone at 2763 m with excellent reservoir properties as in the main well, with porosity up to 30 % and oil saturation of about 78%. No GOC could be defined from the logs, but the well results were consistent with GOC at 2057 m TVD MSL in the area. No additional information about the OWC could be defined from the well. In the main well a range in OWC from 2086 to 2091 m TVD MSL was defined. Due to OBM being used, no visual shows were seen in the sandstones in the Heimdal Formation, despite having indications that hydrocarbons were present.

No cores were cut. No wire line logging or fluid sampling was performed in the sidetrack.

The well was permanently abandoned on 15 November 2009 as an oil appraisal.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1110.00	2945.00

Cuttings available for sampling?	YES
----------------------------------	-----

**Lithostratigraphy**

Top depth [mMD RKB]	Lithostrat. unit
152	NORDLAND GP
453	UTSIRA FM
1013	HORDALAND GP
1158	SKADE FM
1190	NO FORMAL NAME
1221	GRID FM
1320	NO FORMAL NAME
2379	ROGALAND GP
2379	BALDER FM
2521	SELE FM
2608	LISTA FM
2694	HEIMDAL FM
2845	LISTA FM
2858	TY FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - EWR GR PWD DIR	1465	1753
LWD - EWR GR PWD DIR CTN DEN GEO	1104	1465
LWD - EWR GR PWD DIR CTN DEN GEO	1753	2119
LWD - EWR GR PWD DIR CTN DEN GEO	2119	2945

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
INTERM.	13 3/8	1080.0	17 1/2	1086.0	0.00	LOT
OPEN HOLE		1104.0	8 1/2	2945.0	0.00	LOT

Drilling mud



Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1179	1.35	12.0		XP-07 Yellow	
1465	1.37	19.0		XP-07 Yellow	
1530	1.43	20.0		XP-07 Yellow	
1753	1.47	23.0		XP-07 Yellow	
2119	1.47	23.0		XP-07 Yellow	
2944	1.47	29.0		XP-07 Yellow	
2945	1.47	26.0		XP-07 Yellow	