

**General information**

Wellbore name	2/9-5 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	2/9-5
Seismic location	MC3D-CGR2010 inline 2586 & xline 4581
Production licence	494
Drilling operator	Det norske oljeselskap ASA
Drill permit	1487-L
Drilling facility	MÆRSK GIANT
Drilling days	60
Entered date	21.07.2014
Completed date	18.09.2014
Release date	18.09.2016
Publication date	18.09.2016
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	43.0
Water depth [m]	65.0
Total depth (MD) [m RKB]	3679.0
Final vertical depth (TVD) [m RKB]	3660.0
Maximum inclination [°]	11.8
Oldest penetrated age	PRE-DEVONIAN
Oldest penetrated formation	BASEMENT
Geodetic datum	ED50
NS degrees	56° 24' 45.5" N
EW degrees	3° 55' 6.08" E
NS UTM [m]	6252523.92
EW UTM [m]	556665.92
UTM zone	31
NPDID wellbore	7502



Wellbore history

General

Well 2/9-5 S is located between the Piggvar Terrace in the west and the Mandal High in the east, in the Norwegian part of the Central Graben. The primary objective was to test the hydrocarbon potential in the Heimdalshø prospect in Late Jurassic sandstones. Secondary objective was possible pre-Jurassic Rotliegendes Group sandstones.

Operations and results

Wildcat well 2/9-5 S was spudded with the jack-up installation Mærsk Giant on 21 July 2014 and drilled to TD at 3679 m (3660 m TVD) in basement rock. No significant problem was encountered in the operations. The well was drilled with seawater down to 810 m and with Innovert NS oil based mud from 810 m to TD.

The upper Jurassic Tyne Group was penetrated at 3430 m. Neither the primary nor the secondary reservoir targets were present in the well, apart from a 4 m thick water-bearing sandstone at the Jurassic/Cretaceous boundary. Only minor shows were described in the well, all of them similar to the oil base in the mud.

No cores were cut and no fluid sample was taken.

The well was permanently abandoned on 18 November 2014 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]
820.00	3679.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
108	NORDLAND GP
108	UNDIFFERENTIATED
1563	HORDALAND GP
1563	UNDIFFERENTIATED
2845	ROGALAND GP
2845	BALDER FM
2864	SELE FM



2896	LISTA FM
2934	VÅLE FM
2944	SHETLAND GP
2944	EKOFISK FM
3021	TOR FM
3312	HOD FM
3430	TYNE GP
3430	FARSUND FM
3547	ZECHSTEIN GP
3556	ROTLIEGEND GP
3671	BASEMENT

Logs

Log type	Log top depth [m]	Log bottom depth [m]
HR SCT	3339	3585
MWD - EWR-P4 DGR XBAT ALD CTN FT	3361	3587
MWD - EWR-P4 DGR XBAT ALD CTN PW	1807	3679
MWD - EWR-P4 DGR XBAT PWD DIR	170	1807
MWD - PWD DIR	554	803
RDT	3431	3556
VSP	1785	3580
WSTT	2860	3585

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	170.7	36	170.7	0.00	
SURF.COND.	20	798.5	26	810.0	1.49	LOT
INTERM.	13 3/8	1800.6	16	1807.0	1.32	FIT
INTERM.	9 5/8	3352.5	12 1/4	3361.0	1.90	FIT
OPEN HOLE		3679.0	8 1/2	3679.0	0.00	

Drilling mud



Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
810	1.10			WATER BASED	
813	1.30			OIL BASED	
1250	1.45			OIL BASED	
1810	1.46			OIL BASED	
3352	1.65			OIL BASED	
3587	1.74			OIL BASED	