

**General information**

Wellbore name	35/8-6 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	35/8-6
Seismic location	3D survey WIN14M05 Inline 22427 X-line 12971
Production licence	248
Drilling operator	Wintershall Norge AS
Drill permit	1613-L
Drilling facility	BORGLAND DOLPHIN
Drilling days	37
Entered date	17.03.2016
Completed date	22.04.2016
Release date	22.04.2018
Publication date	22.04.2018
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	31.0
Water depth [m]	381.0
Total depth (MD) [m RKB]	4043.0
Final vertical depth (TVD) [m RKB]	3713.0
Maximum inclination [°]	42.7
Oldest penetrated age	LATE JURASSIC
Oldest penetrated formation	HEATHER FM
Geodetic datum	ED50
NS degrees	61° 19' 41.65" N
EW degrees	3° 20' 17.06" E
NS UTM [m]	6799557.43
EW UTM [m]	518096.79
UTM zone	31
NPDID wellbore	7916

**Wellbore history**

Wellbore history

General

Well 35/8-6 S was drilled to test the Vikafjell North prospect on the Marflo Spur in the North Sea, between the 35/8-1 Vega North and 35/8-2 Vega South discoveries. The Vikafjell North prospect was identified as a downthrown terrace to the Vega North horst. The primary objective was to test the hydrocarbon potential in Oxfordian turbidite sandstones within the Late Jurassic Heather Formation.

Operations and results

Wildcat well 35/8-6 S was spudded with the semi-submersible installation Borgland Dolphin on 17 March 2016 and drilled to TD at 4043 m (3713 m TVD) m in the Late Jurassic Heather Formation. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis sweeps down to 508 m, with KCl polymer mud from 508 to 1105 m, with Performadril mud from 1105 to 1827 m, and with Innovert oil based mud from 1827 m to TD.

The well found a gross 63 m TVD of reservoir sandstone of Early-Middle Oxfordian age of poor quality. Several pressure points were attempted without success because of tight formation. When entering the reservoir sandstone, mud gas readings remained low, no shows were recorded and the resistivity log did not suggest presence of hydrocarbons. The reservoir was dry.

No cores were cut. No fluid sample was taken on wire line.

The well was plugged back to the 13 3/8" casing shoe for sidetracking on 22 April 2016. It is classified 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]
1140.00	4043.00

Cuttings available for sampling?	YES
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Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
412	NORDLAND GP
765	UTSIRA FM
963	HORDALAND GP
1247	GRID FM
1442	UNDEFINED GP
1712	ROGALAND GP
1712	BALDER FM
1787	SELE FM
1836	LISTA FM
1870	VÅLE FM
1934	SHETLAND GP
1934	JORSALFARE FM
2168	KYRRE FM
3397	TRYGGVASON FM
3500	SVARTE FM
3521	CROMER KNOLL GP
3521	RØDBY FM
3535	SOLA FM
3539	ÅSGARD FM
3610	VIKING GP
3610	DRAUPNE FM
3687	HEATHER FM
3870	UNDEFINED GP
3935	HEATHER FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - DIR	411	501
MWD - GR RES DIR ECD	501	1827
MWD - GR RES DIR ECD DEN NEU	1827	3670
MWD - GR RES DIR PWD DEN NEU GT	3869	4043
VSP GR	449	4030

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	501.6	36	503.1	0.00	
SURF.COND.	20	1098.7	26	1105.0	1.71	LOT
INTERM.	13 3/8	1820.9	17 1/2	1827.0	1.83	LOT
INTERM.	9 5/8	3662.0	12 1/2	3670.0	1.98	FIT
OPEN HOLE		4043.0	8 1/2	4043.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
510	1.39	21.0		KCL/Polymer/Gem	
665	1.42	21.0		KCL/Polymer/Gem	
1105	1.29	14.0		Performadrill	
1105	1.39	23.0		KCL/Polymer/Gem	
1350	1.29	27.0		Performadrill	
1760	1.42	33.0		INNOVERT NS	
1827	1.34	23.0		INNOVERT OBM	
1827	1.29	30.0		Performadrill	
1889	1.34	24.0		INNOVERT OBM	
1921	1.42	33.0		INNOVERT NS	
2124	1.39	24.0		INNOVERT OBM	
2400	1.42	32.0		INNOVERT NS	
2839	1.39	29.0		INNOVERT OBM	
3670	1.42	34.0		INNOVERT OBM	
3711	1.54	35.0		INNOVERT OBM	
4043	1.54	31.0		INNOVERT NS	