



General information





Wellbore name	35/8-6 A
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Discovery	35/8-6 A (Robbins)
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	1617-L
Drilling facility	BORGLAND DOLPHIN
Drilling days	23
Entered date	22.04.2016
Completed date	14.05.2016
Release date	14.05.2018
Publication date	14.05.2018
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	LATE JURASSIC
1st level with HC, formation	INTRA HEATHER FM SS
Kelly bushing elevation [m]	31.0
Water depth [m]	381.0
Total depth (MD) [m RKB]	3800.0
Final vertical depth (TVD) [m RKB]	3560.0
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	7941

**Wellbore history**

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General

Well 35/8-6 A is a geological sidetrack to well 35/8-6 S on the Marflo Spur in the North Sea. It was drilled to test the Robins prospect, south of the 35/8-1 Vega North field. The Robbins prospect was identified in the Oxfordian section in the Vega North field, which is producing from the underlying Brent Group. Very thin Oxfordian sandstones were hydrocarbon bearing in the 35/8-1 Vega North discovery well, and the two Vega North production wells.

Operations and results

Wildcat well 35/8-6 A was kicked off from 1840 m in the 35/8-6 S well bore on 22 April 2016. It was drilled with the semi-submersible installation Borgland Dolphin to TD at 3800 m (3560 m TVD) m in the Late Jurassic Heather Formation. No significant problem was encountered in the operations. The well was drilled with Innovert oil based mud from kick-off to TD.

The target Intra Heather Formation Sandstone was encountered at 3560.5 m (3324.8 m TVD) with a 72.9 m TVD thickness and moderate to low quality reservoir quality. The upper part was oil filled, confirmed by an MDT oil sample at 3562 m. The free water level was estimated at 3566 m (3330 m TVD). Shows were however seen throughout the reservoir interval, indicating high residual oil saturation throughout.

One core was cut from 3567.5 to 3622.1 m with 101% recovery. MDT fluid samples were taken at 3562.02 m (light oil) and 3575.01 m (water with some residual oil).

The well was permanently abandoned on 14 May 2016 as an oil discovery.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1830.00	3800.00

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate



Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3567.5	3622.1	[m]

Total core sample length [m]	54.6
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
412	NORDLAND GP
765	UTSIRA FM
963	HORDALAND GP
1247	GRID FM
1442	FRIGG FM
1712	ROGALAND GP
1712	BALDER FM
1786	SELE FM
1836	LISTA FM
1868	VÅLE FM
1930	SHETLAND GP
1930	JORSALFARE FM
2150	KYRRE FM
3293	TRYGGVASON FM
3391	SVARTE FM
3412	CROMER KNOLL GP
3412	RØDBY FM
3420	SOLA FM
3425	ÅSGARD FM
3440	VIKING GP
3440	DRAUPNE FM
3481	HEATHER FM
3560	INTRA HEATHER FM SS
3634	HEATHER FM

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	3424.0	12 1/4	3431.0	1.95	FIT
OPEN HOLE		3800.0	8 1/2	3800.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1100	1.29	19.0		Performadrill WBM	
1600	1.42	21.0		INNOVERT NS	
1921	1.39	30.0		INNOVERT NS	
2418	1.39	29.0		INNOVERT NS	
2991	1.39	31.0		INNOVERT NS	
3300	1.42	31.0		INNOVERT NS	
3528	1.54	35.0		INNOVERT NS	
3800	1.54	31.0		INNOVERT NS	