

**General information**

Wellbore name	15/12-24 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	15/12-24
Seismic location	site survey Snømus.line 140 & line 106
Production licence	672
Drilling operator	Talisman Energy Norge AS
Drill permit	1545-L
Drilling facility	MÆRSK GIANT
Drilling days	36
Entered date	10.04.2015
Completed date	20.05.2015
Release date	20.05.2017
Publication date	20.05.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	40.3
Water depth [m]	85.8
Total depth (MD) [m RKB]	3181.0
Final vertical depth (TVD) [m RKB]	3174.0
Maximum inclination [°]	6.2
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SKAGERRAK FM
Geodetic datum	ED50
NS degrees	58° 7' 26.75" N
EW degrees	1° 55' 22.59" E
NS UTM [m]	6443179.53
EW UTM [m]	436554.84
UTM zone	31
NPDID wellbore	7661



Wellbore history

General

Well 15/12-24 S was drilled to test the Snømus prospect in the Ling depression adjacent to the Varg Field in the North Sea. The primary objective was to test the hydrocarbon potential in syn-rift Ula-Sandnes formations and pre-rift Hugin - Sleipner formations. Sands in the Triassic Skagerrak Formation was secondary objective.

Operations and results

Wildcat well 15/12-24 S was spudded with the jack-up installation Mærsk Giant on 10 April 2015 and drilled to TD at 3181 m in the Late Triassic Skagerrak Formation. A pilot hole was drilled from 178 m to 1355 m to check for shallow gas. Minor gas peaks associated with thin sand layers were recorded at 757 and 768 m, and potentially also at 488 and 505 m. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis sweeps down to 178 m, with KCl/polymer/GEM mud from 178 m to 1365 m, and with Innovert oil based mud from 1365 m to TD.

The Ula sand was encountered at 2903 m, 10.7 m deeper than prognosed. A total of 194 m MD of Ula and Sandnes sand with mostly good quality, were drilled. Top Skagerrak Formation was picked at 3097 m, 6 meters shallower than prognosed. A total of 84 m MD of Skagerrak Formation was drilled, however only poor quality reservoir sands encountered. All target reservoirs were water-wet. Only weak shows above the OBM were described in the Vestland Group and Skagerrak Formation, else no shows were recorded in the well.

No cores were cut. Due to dry well, only VSP was run on wireline. No fluid sample was taken.

The well was permanently abandoned on 20 May 2015 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]
190.00	3181.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
126	NORDLAND GP
1022	UTSIRA FM



1251	HORDALAND GP
2255	ROGALAND GP
2255	BALDER FM
2271	SELE FM
2310	LISTA FM
2390	VÅLE FM
2408	SHETLAND GP
2408	EKOFISK FM
2433	TOR FM
2644	HOD FM
2749	BLODØKS FM
2815	CROMER KNOLL GP
2815	RØDBY FM
2826	SOLA FM
2835	ÅSGARD FM
2887	VIKING GP
2887	DRAUPNE FM
2898	HEATHER FM
2903	VESTLAND GP
2903	ULA FM
2985	SANDNES FM
3097	HEGRE GP
3097	SKAGERRAK FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - GR RES DIR DEN NEU FMP DT	2897	3181
MWD - GR RES GR PWD DIR	1365	2897
MWD - GR RES PWD DIR	178	1365

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	178.6		178.6	0.00	
PILOT HOLE		1355.0	12 1/4	1355.0	0.00	
SURF.COND.	13 3/8	1360.0	17 1/2	1365.0	1.73	FIT



INTERM.	9 5/8	2895.0	12 1/4	2897.0	1.95	FIT
OPEN HOLE		3181.0	8 1/2	3181.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
178	1.10	14.0		KCL/Polymer/Gem	
403	1.13	21.0		KCL/Polymer/Gem	
736	1.14	10.0		KCl/Polymer/GEM	
1365	1.18	14.0		KCl/polymer/GEM	
1787	1.43	24.0		INNOVERT NS	
2442	1.47	26.0		INNOVERT NS	
2897	1.47	25.0		INNOVERT NS	
3181	1.42	26.0		INNOVERT NS	