

General information

Wellbore name	16/1-26 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
Discovery	16/1-26 S
Well name	16/1-26
Seismic location	DN13M02-1370(N-S)/DN13M02-1518(W-E)
Production licence	001 B
Drilling operator	Det norske oljeselskap ASA
Drill permit	1612-L
Drilling facility	MAERSK INTERCEPTOR
Drilling days	11
Entered date	03.04.2016
Completed date	14.04.2016
Release date	14.04.2018
Publication date	14.04.2018
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL/GAS
Discovery wellbore	YES
1st level with HC, age	LATE JURASSIC
1st level with HC, formation	INTRA DRAUPNE FM SS
Kelly bushing elevation [m]	58.0
Water depth [m]	112.7
Total depth (MD) [m RKB]	5330.0
Final vertical depth (TVD) [m RKB]	2979.0
Maximum inclination [°]	66
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SKAGERRAK FM
Geodetic datum	ED50
NS degrees	58° 55' 20.15" N
EW degrees	2° 11' 53.03" E
NS UTM [m]	6531823.31
EW UTM [m]	453821.52
UTM zone	31
NPDID wellbore	7915

Wellbore history

General

Well 16/1-26 S was drilled deviated from the 16/1-D-9 West Cable oil producer well on the Ivar Aasen Platform in the North Sea. The objective was to prove additional reserves in the southern part of the West Cable structure, west of the Ivar Aasen Field. West Cable is a Sleipner Formation oil discovery made by well 16/1-7 in 2004.

Operations and results

Exploration well 16/1-26 S was drilled from below the 13 3/8 casing shoe at 2792.5 m in producer well 16/1-D-9. Spud date for the exploration well was 3 April 2016. The well was drilled with the jack-up installation Mærsk Interceptor to TD at 5330 m (2979 m TVD) in the Late Triassic Skagerrak Formation. The well is highly deviated with a deviation of ca 63 ° all through. No significant problem was encountered in the operations. The well was drilled with Versatec oil based mud all through.

Well 16/1-26 S encountered gas and oil in two Intra-Draupne Formation Sandstone units. Top of the upper sandstone is at 4726.2 m (2713.4 m TVD). The two sands are indicated not to be in pressure communication. The upper sand is gas-filled, while the lower, with top at 4754 m (2725 m TVD) contain oil down to a lithological contact at 4773 m (2731 m TVD) and with a possible 1-metre gas cap on top. The underlying sandstones of the Statfjord Group and Skagerrak Formation are water wet. No Middle Jurassic sediments are present in the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 14 April 2018 as an oil and gas discovery

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
2830.00	5330.00
Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
170	NORDLAND GP
170	UNDIFFERENTIATED
800	UTSIRA FM
863	UNDIFFERENTIATED

1047	HORDALAND GP
1047	SKADE FM
1492	UNDIFFERENTIATED
2368	GRID FM
2560	UNDIFFERENTIATED
3253	ROGALAND GP
3253	BALDER FM
3356	SELE FM
3470	LISTA FM
3547	HEIMDAL FM
3798	LISTA FM
3975	VÅLE FM
4119	SHETLAND GP
4119	TOR FM
4306	CROMER KNOLL GP
4306	UNDIFFERENTIATED
4331	VIKING GP
4331	DRAUPNE FM
4787	HEATHER FM
4834	UNDIFFERENTIATED
4835	STATFJORD GP
4896	HEGRE GP
4896	SKAGERRAK FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - GR RES PWD DIR	170	2807
MWD LWD - CAL DIR VSP FSWD	2807	5330
MWD LWD - GR RES PWD DEN NEU -	2807	5330

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	26	196.3	32	206.5	0.00	
SURF.COND.	18 5/8	547.9	24	554.0	0.00	
INTERM.	13 3/8	2792.5	16	2807.0	1.66	FIT

OPEN HOLE		5330.0	8 1/2	5330.0	0.00	
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Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
400	1.44	40.0		Versatec OBM	
2717	1.44	40.0		Versatec OBM	
2807	1.46	47.0		Versatec OBM	
3002	1.44	47.0		Versatec OBM	
3838	1.44	44.0		Versatec OBM	
4069	1.44	40.0		Versatec OBM	
4445	1.44	45.0		Versatec OBM	
5020	1.44	43.0		Versatec OBM	
5265	1.44	42.0		Versatec OBM	
5330	1.44	40.0		Versatec OBM	