

**General information**

Wellbore name	25/10-16 S
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Field	HANZ
Discovery	25/10-8 Hanz
Well name	25/10-16
Seismic location	DN1302M01. Inline 2594. crossline 1779
Production licence	028 B
Drilling operator	Aker BP ASA
Drill permit	1706-L
Drilling facility	MAERSK INTREPID
Drilling days	31
Entered date	30.06.2018
Completed date	30.07.2018
Plugged date	30.07.2018
Release date	30.07.2020
Publication date	30.07.2020
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL/GAS
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	INTRA DRAUPNE FM SS
Kelly bushing elevation [m]	55.0
Water depth [m]	116.5
Total depth (MD) [m RKB]	2765.0
Final vertical depth (TVD) [m RKB]	2698.0
Maximum inclination [°]	17.3
Bottom hole temperature [°C]	106
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	HEGRE GP
Geodetic datum	ED50
NS degrees	59° 2' 13.13" N
EW degrees	2° 13' 41.38" E



NS UTM [m]	6544576.65
EW UTM [m]	455702.05
UTM zone	31
NPDID wellbore	8490

Wellbore history

General

Well 25/10-16 S was drilled on the 25/10-8 Hanz discovery on the Gudrun Terrace in the North Sea. The primary objective was to test the hydrocarbon potential in Intra-Draupne Formation sandstones in the northern part of the Hanz structure.

Operations and results

Appraisal well 25/10-16 S was spudded with the jack-up installation Mærsk Intrepid on 30 June 2018 and drilled to TD at 2765 m (2698 m TVD) m in the Late Triassic Hegre Group. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 560 m and with EMS-4600 oil-based mud from 560 m to TD.

The Draupne Formation was encountered at 2456.1 m (2388.8 m TVD). It contained abundant sandstones varying in thickness from 0.5 to 8 m. From Petrophysical analysis there was 20 m net oil-bearing Intra-Draupne sandstones with excellent reservoir quality. A gas-oil contact was proven at 2483.2 m (2416 m TVD). There is oil at least down-to 2512.2 m (2445 m TVD). No oil-water contact was proven. The formation pressure was measured by wireline XPT. The measured formation pressures showed a depletion of ~1 -2 bar in the Intra Draupne sandstones compared to the 25/10-8 discovery well. The Hugin Formation was comprised of sandstone, also with good reservoir properties, but was found to be water-bearing in the well position.

On the cores there were strong oil shows in the oil-leg of the Intra-Draupne sandstones, but there were no oil shows above the oil-based mud on cuttings anywhere else in the well.

Two cores were cut from 2460.5 to 2550.7 m with 100.4% total recovery. MDT fluid samples were taken at 2468 m (gas), 2478.9 m (gas), 2485.5 m (oil), 2490.3 m (oil), 2508.1 m (oil), 2511.5 m (oil), 2531.7 m (water).

The well was permanently abandoned on 30 July 2018 as an oil and gas appraisal well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
570.00	2765.00

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	2460.5	2490.8	[m]
2	2490.8	2551.0	[m]

Total core sample length [m]	90.5
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
172	NORDLAND GP
695	UTSIRA FM
889	HORDALAND GP
889	SKADE FM
1181	HORDALAND GP
1602	GRID FM
1802	HORDALAND GP
2025	ROGALAND GP
2025	BALDER FM
2066	SELE FM
2135	LISTA FM
2175	HEIMDAL FM
2242	LISTA FM
2287	VÅLE FM
2324	SHETLAND GP
2324	EKOFISK FM
2370	HOD FM
2456	VIKING GP
2456	DRAUPNE FM
2478	NO FORMAL NAME
2580	DRAUPNE FM
2638	HEATHER FM
2641	VESTLAND GP
2641	HUGIN FM
2655	HEGRE GP
2655	SKAGERRAK FM



2701	NO FORMAL NAME
2706	SKAGERRAK FM
2712	NO FORMAL NAME

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - GR RES NEU DEN FPWD	2673	4405

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	22	208.5	26	219.0	0.00	
INTERM.	13 3/8	552.7	17 1/2	560.0	1.59	LOT
PILOT HOLE		561.0	9 7/8	561.0	0.00	
INTERM.	9 5/8	1917.8	12 1/4	1925.0	1.70	LOT
OPEN HOLE		2765.0	8 1/2	2765.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
552	1.29	26.0		Rheguard Prime	
1185	1.21	27.0		EMS-4600	
1925	1.26	32.0		EMS-4600	
2460	1.29	25.0		EMS-4600	
2765	1.29	26.0		EMS-4600	
2765	1.30	28.0		EMS-4600	