General information

Wellbore name	25/10-16 C
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	1723-L
Drilling facility	MAERSK INTREPID
Drilling days	8
Entered date	19.08.2018
Completed date	26.08.2018
Plugged and abondon date	26.08.2018
Release date	26.08.2020
Publication date	26.08.2020
Purpose - planned	APPRAISAL
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	55.0
Water depth [m]	116.5
Total depth (MD) [m RKB]	4405.0
Final vertical depth (TVD) [m RKB]	2696.0
Maximum inclination [°]	66.6
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SKAGERRAK FM
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	8551

Wellbore history

General

Well 25/10-16 C is a geological side-track to 25/10-16 B on the Gudrun Terrace in the North Sea. It was drilled as an appraisal well on the 25/10-8 Hanz discovery. The primary objective was to prove the oil-water contact down-dip in the south-western part of the Hanz structure.

Operations and results

Appraisal well 25/10-16 C was kicked off at 2673 m in wellbore 25/10-16 B on 19 August 2018. It was drilled with the jack-up installation Mærsk Intrepid to TD at 4405 m (2696 m TVD) in the Late Triassic Skagerrak Formation. Operations proceeded without significant problems. The well was drilled with RheGuard oil-based mud from kick-off to TD.

A total of 147.5 m MD thickness of Draupne Formation was drilled from 4001.5 m (2447.3 m TVD) to 4249 m (2595 m TVD. The Draupne Formation consisted of carbonaceous claystone with numerous thin limestones and only occasional, very thin lenses of sand. In the Hugin Formation a water-wet reservoir with good quality reservoir was proven. The total reservoir thickness in the Hugin Formation was approximately 13 m. Additionally, reservoir sands of varying quality were found to be present in the Statfjord Group and Hegre Group respectively. All formations were water-bearing. Seven pressure points were acquired, all of which confirmed a slight depletion relative to hydrostatic pressure. No hydrocarbon shows above the OBM signature were recorded in the cuttings returned to surface.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 26 August 2018 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]
2680.00	4405.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
172	NORDLAND GP
707	UTSIRA FM
905	SKADE FM

1418	HORDALAND GP
2221	GRID FM
2472	HORDALAND GP
3016	ROGALAND GP
3016	BALDER FM
3148	SELE FM
3265	LISTA FM
3386	HEIMDAL FM
3460	LISTA FM
3528	VÅLE FM
3623	SHETLAND GP
3623	EKOFISK FM
3769	TOR FM
3952	CROMER KNOLL GP
3952	ÅSGARD FM
4002	VIKING GP
4002	DRAUPNE FM
4249	HEATHER FM
4253	VESTLAND GP
4253	HUGIN FM
4277	STATFJORD GP
4305	HEGRE GP
4305	SKAGERRAK FM

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	2663.4	12 1/2	2672.0	1.64	FIT
OPEN HOLE		4405.0	8 1/2	4405.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
3611	1.34	19.0		Rheguard Prime	
4158	1.34	20.0		Rheguard Prime	
4405	1.41	25.5		Rheguard Prime	
4405	1.41	25.5		Rheguard Prime	
4893	1.37	31.0		Rheguard Prime	