General information

Wellbore name	33/9-22 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	33/9-22
Seismic location	
Production licence	881
Drilling operator	Wellesley Petroleum AS
Drill permit	1670-L
Drilling facility	DEEPSEA BERGEN
Drilling days	23
Entered date	26.08.2017
Completed date	17.09.2017
Release date	17.09.2019
Publication date	17.09.2019
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	226.5
Total depth (MD) [m RKB]	2730.0
Final vertical depth (TVD) [m RKB]	2715.0
Maximum inclination [°]	14.8
Oldest penetrated age	LATE JURASSIC
Oldest penetrated formation	DRAUPNE FM
Geodetic datum	ED50
NS degrees	61° 23' 8.77'' N
EW degrees	1° 57' 34.27'' E
NS UTM [m]	6806362.68
EW UTM [m]	444407.35
UTM zone	31
NPDID wellbore	8248

Wellbore history

General

Well 33/9-22 S was drilled to test the Goanna prospect on the Tampen Spur between the Snorre and Statfjord fields in the North Sea. The primary objective was to test the hydrocarbon potential in Late Jurassic Intra-Draupne Formation sandstone. A secondary objective was to test possible hydrocarbon bearing sandstone in the Paleocene Heimdal Formation.

Operations and results

Wildcat well 33/9-22 S was spudded with the semi-submersible installation Deepsea Bergen on 26 August 2017 and drilled to TD at 2730 m (2715 m TVD) m in the Late Jurassic Draupne Formation. Operations proceeded without significant problems. The well was drilled with seawater and bentonite sweeps down to 1102 m, and with Innovert NS oil-based mud from 1102 m down to TD.

The Heimdal Formation sandstone was penetrated from 1858 to 1897 m and the Intra Draupne Formation sandstone from 2672 to 2721 m. Both targets were dry without shows.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 17 September 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]
1120.00	2729.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
250	NORDLAND GP
900	UTSIRA FM
993	HORDALAND GP
1225	SKADE FM
1296	HORDALAND GP
1352	GRID FM

1373	HORDALAND GP
1675	ROGALAND GP
1675	BALDER FM
1744	LISTA FM
1858	HEIMDAL FM
1897	LISTA FM
1918	VÅLE FM
1936	SHETLAND GP
1936	JORSALFARE FM
2201	KYRRE FM
2622	TRYGGVASON FM
2644	CROMER KNOLL GP
2644	RØDBY FM
2651	ÅSGARD FM
2660	MIME FM
2669	VIKING GP
2669	DRAUPNE FM
2672	INTRA DRAUPNE FM SS
2721	DRAUPNE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - DIR	249	316
LWD - GR RES PWD DIR	316	1102
LWD - GR RES PWD DIR SON	316	1102
LWD - RES GR PWD DEN NEU DIR SON	2524	2730
LWD - RES GR PWD DIR SON	1102	2524

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	316.0	36	316.0	0.00	
INTERM.	13 3/8	1096.0	17 1/2	1102.0	0.00	
PILOT HOLE		1102.0	9 5/8	1102.0	0.00	
		1105.0		0.0	1.65	FIT
INTERM.	9 5/8	2517.3	12 1/2	2524.0	1.81	FIT

OPEN HOLE		2730.0	8 1/2	2730.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
249	1.02	1.0		SW with vi-vis pills	
1162	1.43	18.0		INNOVERT NS	
1945	1.44	18.0		INNOVERT NS	
2524	1.44	21.0		INNOVERT NS	
2724	1.54	22.0		INNOVERT NS	
2730	1.44	17.0		INNOVERT NS	
2730	1.54	22.0		INNOVERT NS	