

**General information**

Wellbore name	35/12-7
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	35/12-7
Seismic location	Inline 8220. Xline 27942
Production licence	925
Drilling operator	Wellesley Petroleum AS
Drill permit	1701-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	25
Entered date	01.07.2018
Completed date	25.07.2018
Plugged and abandon date	25.07.2018
Release date	25.07.2020
Publication date	25.07.2020
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	24.0
Water depth [m]	358.0
Total depth (MD) [m RKB]	2750.0
Final vertical depth (TVD) [m RKB]	2750.0
Maximum inclination [°]	1
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	OSEBERG FM
Geodetic datum	ED50
NS degrees	61° 9' 0.59" N
EW degrees	3° 40' 5.76" E
NS UTM [m]	6779858.28
EW UTM [m]	535974.38
UTM zone	31
NPDID wellbore	8454



Wellbore history

General

Well 35/12-7 was drilled to test the Serin prospect on the Ryggsteinen Ridge in the North Sea. The Serin prospect is down-thrown from the 35/12-2 Grosbeak Discovery. The primary objective was to prove commercial hydrocarbon volumes in Middle Oxfordian and Bathonian aged turbidites.

Operations and results

Wildcat well 35/12-7 was spudded with the semi-submersible installation Transocean Arctic on 1 July 2018 and drilled to TD at 2750 m in the Middle Jurassic Oseberg Formation. Operations proceeded without significant problems. The well was drilled with seawater and bentonite sweeps down to 448 m, with KCl/polymer/GEM mud from 448 m to 1001 m, and with Innovert oil-based mud from 1001 m to TD.

The well only encountered one Oxfordian turbidite, at 2048 to 2055 m. No Bathonian turbidites were encountered. The Oxfordian turbidite as well as all other sandstone formations present in the well were water-bearing. No shows are reported from the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 25 July 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]
450.00	2750.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
383	NORDLAND GP
383	NO FORMAL NAME
567	UTSIRA FM
682	NO FORMAL NAME
695	HORDALAND GP
695	NO FORMAL NAME
1325	ROGALAND GP



1325	BALDER FM
1379	SELE FM
1456	LISTA FM
1761	VÅLE FM
1783	SHETLAND GP
1783	JORSALFARE FM
1864	KYRRE FM
2019	VIKING GP
2019	DRAUPNE FM
2020	HEATHER FM
2048	INTRA HEATHER FM SS
2055	HEATHER FM
2209	FENSFJORD FM
2283	HEATHER FM
2597	BRENT GP
2597	NESS FM
2663	ETIVE FM
2683	RANNOCH FM
2708	OSEBERG FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - ECD RES GR DI SON	448	1939
LWD - GR ECD DEN RES NEU DI FP S	1939	2750
ZVSP GR	382	2740

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	447.5	36	448.0	0.00	
INTERM.	13 3/8	994.0	17 1/2	1001.0	1.43	FIT
INTERM.	9 5/8	1931.0	12 1/4	1939.0	1.51	FIT
OPEN HOLE		2750.0	8 1/2	2750.0	0.00	

Drilling mud



Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
448	1.39	20.0		KCL/GEM/Polymer	
1001	1.34	34.0		Yellow INNOVERT NS	
1001	1.39	26.0		KCL/GEM/Polymer	
1227	1.34	25.0		Yellow INNOVERT NS	
1650	1.34	25.0		Yellow INNOVERT NS	
1800	1.34	26.0		Yellow INNOVERT NS	
1919	1.19	15.0		Yellow INNOVERT NS	
1939	1.34	23.0		Yellow INNOVERT NS	
2370	1.19	16.0		Yellow INNOVERT NS	
2750	1.19	17.0		Yellow INNOVERT NS	