

**General information**

Wellbore name	15/12-25
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	15/12-25 (Jerv)
Well name	15/12-25
Seismic location	CHR20MO1 inline1478 xline5189
Production licence	973
Drilling operator	Chrysaor Norge AS
Drill permit	1841-L
Drilling facility	COSLIinnovator
Drilling days	37
Entered date	18.02.2021
Completed date	26.03.2021
Plugged and abandon date	26.03.2021
Release date	28.02.2023
Publication date	28.02.2023
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS/CONDENSATE
Discovery wellbore	YES
1st level with HC, age	PALEOCENE
1st level with HC, formation	TY FM
Kelly bushing elevation [m]	25.0
Water depth [m]	86.0
Total depth (MD) [m RKB]	2820.0
Final vertical depth (TVD) [m RKB]	2820.0
Maximum inclination [°]	2.1
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	VÅLE FM
Geodetic datum	ED50
NS degrees	58° 4' 8.33" N
EW degrees	1° 49' 42.79" E
NS UTM [m]	6437136.09
EW UTM [m]	430888.58



UTM zone	31
NPDID wellbore	9203

Wellbore history

General

Well 25/12-25 was drilled to test the Jerv prospect on the northern end of the Maureen Terrace in the North Sea, close to the UK border. The primary objective was to find hydrocarbons in the Paleocene Ty Formation.

Operations and results

A 9 7/8" pilot hole was drilled to section TD at 476 m and no shallow gas or over-pressured water was observed.

Wildcat well 25/12-25 was spudded with the semi-submersible installation COSL Innovator on 18 February 2021 and drilled to TD at 2820 m in the Paleocene Våle Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 476 m, and with Aquadril water-based mud from 476 m to TD.

The Ty Formation was penetrated from 2765.5 to 2808 m and contained gas-condensate all through to top Våle Formation. Approximately 30 meters of Ty was sandstone of good reservoir quality. The gas-water contact was not encountered. Oil shows were not observed outside of the Ty Formation. Pressure data collected with TesTrak showed the reservoir to be highly depleted due to production.

Two cores were cut in succession from 2780 to 2811.5 m in the lower sandstone in the Ty Formation and into the Våle Formation. No fluid sample was taken.

The well was permanently abandoned on 26 March 2021 as a gas-condensate discovery.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
480.00	2819.00

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	2780.0	2807.0	[m]
2	2807.0	2811.5	[m]

Total core sample length [m]	31.5
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
111	NORDLAND GP
111	UNDIFFERENTIATED
1048	UTSIRA FM
1132	UNDIFFERENTIATED
1269	NO FORMAL NAME
1339	HORDALAND GP
1339	UNDIFFERENTIATED
2548	ROGALAND GP
2548	BALDER FM
2563	SELE FM
2617	LISTA FM
2741	VÅLE FM
2766	TY FM
2808	VÅLE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
GR SBT VDL	2350	2720
LWD - GR RES	111	475
LWD - GR RES	2733	2780
LWD - GR RES DEN NEU CAL SON TT	2733	2820
LWD - GR RES DEN NEU SON	1326	2733
LWD - GR RES SON	184	1326

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	36	184.5	36	184.5	0.00	
INTERM.	20	471.0	26	476.0	1.52	LOT
INTERM.	13 3/8	1319.0	17 1/2	1326.0	1.55	FIT
INTERM.	9 5/8	2726.0	12 1/4	2733.0	1.40	FIT
OPEN HOLE		2820.0	8 1/2	2820.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
182	1.03	1.0	2.0	Water Base	
185	1.30	15.0	18.1	Water Base	
290	1.03	1.0	1.0	Water Base	
475	1.11	20.0	9.0	Water Base	
1085	1.17	20.0	12.4	Water Base	
1326	1.22	16.0	11.0	Water Base	
1346	1.37	22.0	15.8	Water Base	
1346	1.22	16.0	12.9	Water Base	
1383	1.39	19.0	13.8	Water Base	
2585	1.20	8.0	6.0	Water Base	
2724	1.39	19.0	16.2	Water Base	
2733	1.12	12.0	13.8	Water Base	
2812	1.12	15.0	11.4	Water Base	
2820	1.39	15.0	11.4	Water Base	
2820	1.12	15.0	11.4	Water Base	