

**General information**

Wellbore name	35/4-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	<a href="#">link to press release</a>
Factmaps in new window	<a href="#">link to map</a>
Main area	NORTH SEA
Well name	35/4-2
Seismic location	Inline 6882. Xline 31943
Production licence	<a href="#">931</a>
Drilling operator	Wellesley Petroleum AS
Drill permit	1742-L
Drilling facility	<a href="#">TRANSOCEAN ARCTIC</a>
Drilling days	27
Entered date	21.01.2019
Completed date	16.02.2019
Plugged and abandon date	16.02.2019
Release date	05.01.2021
Publication date	30.04.2021
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	24.0
Water depth [m]	391.0
Total depth (MD) [m RKB]	771.0
Final vertical depth (TVD) [m RKB]	771.0
Oldest penetrated age	PLIOCENE
Oldest penetrated formation	NAUST FM
Geodetic datum	ED50
NS degrees	61° 36' 2.54" N
EW degrees	3° 12' 19.21" E
NS UTM [m]	6829880.07
EW UTM [m]	510895.97
UTM zone	31
NPDID wellbore	8633



## Wellbore history

### General

Well 35/4-2 was drilled to test the Songesand in the Mardoll Sub-basin, about 6 km south of the Peon discovery in the North Sea. The primary objective was to explore the shallow biogenic gas potential in intra Pliocene sand in the Naust Formation.

### Operations and results

A 9 7/8" pilot hole 35/4-U-1 was drilled to 694 m, the 35/4-2 surface casing setting depth, to identify possible shallow gas, calibrate depth prognosis and reduce top reservoir depth uncertainty. No shallow gas or water flow was observed.

Wildcat well 35/4-2 was spudded with the semi-submersible installation Transocean Arctic on 21 January 2019 and drilled to TD at 771 m in the Pliocene Naust Formation. Ca 8.5 days wait-on-weather. Otherwise operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 480 m and with KCl/GEM/polymer mud from 480 m to TD.

The well penetrated a Pleistocene sand from 532 to 552 m with slightly elevated mud gas. No intra-Pliocene sand was encountered. The well is dry.

No cores were cut. No fluid sample was taken.

The well was plugged and abandoned on 8 February 2019, but left location 8 days later due to weather conditions. It is classified 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]
485.00	770.00

Cuttings available for sampling?	YES
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## Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
415	<a href="#">NORDLAND GP</a>
415	<a href="#">NAUST FM</a>

## Logs



Log type	Log top depth [m]	Log bottom depth [m]
CBL USIT	414	687
CBL USIT	568	687
LWD - PWD GR	414	481
LWD - PWD GR RES DIR SON	481	690
LWD - RAB GR DEN RES NEU PWD DIR	690	771

**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	481.4	36	481.4	0.00	
INTERM.	9 5/8	687.5	12 1/4	690.0	1.36	FIT
OPEN HOLE		771.0	8 1/2	771.0	0.00	

**Drilling mud**

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
464	1.49	18.0		Kill Mud	
481	1.39	24.0		KCI/GEM/POLY Mud	
481	1.49	18.0		Kill Mud	
500	1.39	25.0		KCI/GEM/POLY Mud	
521	1.24	26.0		KCI/GEM/POLY Mud	
575	1.39	24.0		KCI/GEM/POLY Mud	
686	1.39	27.0		KCI/GEM/POLY Mud	
690	1.24	32.0		KCI/GEM/POLY Mud	
690	1.39	27.0		KCI/GEM/POLY Mud	
693	1.24	33.0		KCI/GEM/POLY Mud	
770	1.24	28.0		KCI/GEM/POLY Mud	