

**General information**

Wellbore name	36/1-3
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	36/1-3
Seismic location	CGG17M01 Inline:9435. Xline:33794
Production licence	885
Drilling operator	Equinor Energy AS
Drill permit	1741-L
Drilling facility	TRANSOCEAN SPITSBERGEN
Drilling days	25
Entered date	01.03.2019
Completed date	25.03.2019
Plugged and abandon date	25.03.2019
Release date	25.03.2021
Publication date	30.04.2021
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	40.0
Water depth [m]	230.0
Total depth (MD) [m RKB]	2913.0
Final vertical depth (TVD) [m RKB]	2913.0
Oldest penetrated formation	BASEMENT
Geodetic datum	ED50
NS degrees	61° 48' 13.85" N
EW degrees	4° 6' 53.47" E
NS UTM [m]	6852997.02
EW UTM [m]	558768.94
UTM zone	31
NPDID wellbore	8631

**Wellbore history****General**

Well 36/1-3 was drilled to test the Presto prospect east-southeast of the Agat Field on the Måløy slope in the North Sea. The primary objective was to test the hydrocarbon potential in the Early Cretaceous upper and lower Agat Formation sandstones.

Operations and results

Wildcat well 36/1-3 was spudded with the semi-submersible installation Transocean Spitsbergen on 1 March 2019 and drilled to TD at 2913 m in basement rock. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 550 m, with KCl/polymer/GEM mud from 550 m to 1109 m and XP-07 oil-based mud from 1109 m to TD.

The well penetrated sediments of Nordland, Rogaland, Shetland and Cromer Knoll Groups. The entire succession of the Hordaland Group is eroded in the well location. The Early Cretaceous Åsgard Formation rest directly on basement.

Top Agat Formation was encountered at 2564 m and was 202 m thick, of which 55 metres is reservoir rocks with good to very good reservoir quality. The well is dry without shows. Sixteen pressure measurement were performed within Agat sandstones with wireline tool and confirmed a water gradient with normal hydrostatic pressure.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 25 March 2019 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]
600.00	2912.00

Cuttings available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
620.0	[m]	DC	PETROSTR
660.0	[m]	DC	PETROS
700.0	[m]	DC	PETROS
740.0	[m]	DC	PETROS
780.0	[m]	DC	PETROS
820.0	[m]	DC	PETROS



860.0	[m]	DC	PETROS
900.0	[m]	DC	PETROS
940.0	[m]	DC	PETROS
980.0	[m]	DC	PETROS
1020.0	[m]	DC	PETROS
1060.0	[m]	DC	PETROS
1090.0	[m]	DC	PETROS
1100.0	[m]	DC	PETROS
1140.0	[m]	DC	PETROS
1170.0	[m]	DC	PETROS
1200.0	[m]	DC	PETROS
1230.0	[m]	DC	PETROS
1260.0	[m]	DC	PETROS
1290.0	[m]	DC	PETROS
1320.0	[m]	DC	PETROS
1350.0	[m]	DC	PETROS
1380.0	[m]	DC	PETROS
1410.0	[m]	DC	PETROS
1440.0	[m]	DC	PETROS
1470.0	[m]	DC	PETROS
1500.0	[m]	DC	PETROS
1530.0	[m]	DC	PETROS
1560.0	[m]	DC	PETROS
1590.0	[m]	DC	PETROS
1620.0	[m]	DC	PETROS
1650.0	[m]	DC	PETROS
1680.0	[m]	DC	PETROS
1710.0	[m]	DC	PETROS
1740.0	[m]	DC	PETROS
1770.0	[m]	DC	PETROS
1800.0	[m]	DC	PETROS
1830.0	[m]	DC	PETROS
1860.0	[m]	DC	PETROS
1890.0	[m]	DC	PETROS
1920.0	[m]	DC	PETROS
1950.0	[m]	DC	PETROS
1980.0	[m]	DC	PETROS
2010.0	[m]	DC	PETROS
2040.0	[m]	DC	PETROS
2070.0	[m]	DC	PETROS



2100.0	[m]	DC	PETROS
2130.0	[m]	DC	PETROS
2160.0	[m]	DC	PETROS
2190.0	[m]	DC	PETROS
2220.0	[m]	DC	PETROS
2250.0	[m]	DC	PETROS
2280.0	[m]	DC	PETROS
2310.0	[m]	DC	PETROS
2340.0	[m]	DC	PETROS
2370.0	[m]	DC	PETROS
2400.0	[m]	DC	PETROS
2430.0	[m]	DC	PETROS
2460.0	[m]	DC	PETROS
2490.0	[m]	DC	PETROS
2496.0	[m]	DC	PETROS
2502.0	[m]	DC	PETROS
2508.0	[m]	DC	PETROS
2514.0	[m]	DC	PETROS
2520.0	[m]	DC	PETROS
2526.0	[m]	DC	PETROS
2532.0	[m]	DC	PETROS
2538.0	[m]	DC	PETROS
2550.0	[m]	DC	PETROS
2559.0	[m]	DC	PETROS
2565.0	[m]	DC	PETROS
2571.0	[m]	DC	PETROS
2577.0	[m]	DC	PETROS
2583.0	[m]	DC	PETROS
2589.0	[m]	DC	PETROS
2595.0	[m]	DC	PETROS
2601.0	[m]	DC	PETROS
2607.0	[m]	DC	PETROS
2610.0	[m]	DC	PETROS
2616.0	[m]	DC	PETROS
2622.0	[m]	DC	PETROS
2628.0	[m]	DC	PETROS
2634.0	[m]	DC	PETROS
2640.0	[m]	DC	PETROS
2646.0	[m]	DC	PETROS
2652.0	[m]	DC	PETROS



2658.0	[m]	DC	PETROS
2664.0	[m]	DC	PETROS
2670.0	[m]	DC	PETROS
2676.0	[m]	DC	PETROS
2682.0	[m]	DC	PETROS
2688.0	[m]	DC	PETROS
2694.0	[m]	DC	PETROS
2700.0	[m]	DC	PETROS
2706.0	[m]	DC	PETROS
2712.0	[m]	DC	PETROS
2718.0	[m]	DC	PETROS
2724.0	[m]	DC	PETROS
2730.0	[m]	DC	PETROS
2736.0	[m]	DC	PETROS
2742.0	[m]	DC	PETROS
2748.0	[m]	DC	PETROS
2754.0	[m]	DC	PETROS
2757.0	[m]	DC	PETROS
2760.0	[m]	DC	PETROS
2766.0	[m]	DC	PETROS
2772.0	[m]	DC	PETROS
2778.0	[m]	DC	PETROS
2784.0	[m]	DC	PETROS
2790.0	[m]	DC	PETROS
2796.0	[m]	DC	PETROS
2802.0	[m]	DC	PETROS
2808.0	[m]	DC	PETROS
2814.0	[m]	DC	PETROS
2820.0	[m]	DC	PETROS
2826.0	[m]	DC	PETROS
2832.0	[m]	DC	PETROS
2838.0	[m]	DC	PETROS
2844.0	[m]	DC	PETROS
2850.0	[m]	DC	PETROS
2856.0	[m]	DC	PETROS
2859.0	[m]	DC	FUGRO
2862.0	[m]	DC	PETROS
2868.0	[m]	DC	PETROS
2880.0	[m]	DC	PETROS
2892.0	[m]	DC	PETROS



2904.0	[m]	DC	PETROS
2912.0	[m]	DC	PETROS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
270	NORDLAND GP
620	ROGALAND GP
620	SELE FM
728	LISTA FM
1089	VÅLE FM
1202	SHETLAND GP
1202	JORSALFARE FM
1255	KYRRE FM
1972	TRYGGVASON FM
2284	BLODØKS FM
2295	SVARTE FM
2508	CROMER KNOLL GP
2508	RØDBY FM
2564	AGAT FM
2766	SOLA FM
2844	ÅSGARD FM
2863	BASEMENT

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - GR RES ECD DIR	336	1109
MWD - GR RES ECD DIR	2490	2913
MWD - GR RES ECD DIR NEU DEN SON	1109	2490
PEX AIT HNGS MSIP XPT	2437	2913
VSI GR	238	2913

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	332.0	42	336.0	0.00	
INTERM.	13 3/8	1101.0	17 1/2	1109.0	1.52	LOT
LINER	9 5/8	2489.0	12 1/4	2490.0	1.57	LOT
OPEN HOLE		2913.0	8 1/2	2913.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
336	1.35	20.0		KCl/Polymer/GEM	
550	1.35	27.0		KCl/Polymer/GEM	
550	1.03	1.0		Seawater	
633	1.35	25.0		KCl/Polymer/GEM	
1109	1.03	1.0		Seawater	
1109	1.35	21.0		KCl/Polymer/GEM	
1750	1.20	15.0		XP-07	
2201	1.20	15.0		XP-07	
2539	1.20	14.0		XP-07	
2913	1.20	15.0		XP-07	