

**General information**

Wellbore name	6507/5-10 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Discovery	6507/5-10 S (Slagugle)
Well name	6507/5-10
Seismic location	CP19302-2008 / PGS16909 IL30254 XL9546
Production licence	891
Drilling operator	ConocoPhillips Skandinavia AS
Drill permit	1833-L
Drilling facility	LEIV EIRIKSSON
Drilling days	48
Entered date	13.11.2020
Completed date	30.12.2020
Plugged and abandon date	30.12.2020
Release date	30.12.2022
Publication date	30.12.2022
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	EARLY JURASSIC
1st level with HC, formation	ÅRE FM
2nd level with HC, age	TRIASSIC
2nd level with HC, formation	GREY BEDS (INFORMAL)
Kelly bushing elevation [m]	25.0
Water depth [m]	355.0
Total depth (MD) [m RKB]	2214.0
Final vertical depth (TVD) [m RKB]	2204.6
Maximum inclination [°]	10.8
Bottom hole temperature [°C]	74
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	RED BEDS (INFORMAL)
Geodetic datum	ED50



NS degrees	65° 31' 21.7" N
EW degrees	7° 29' 21.94" E
NS UTM [m]	7267730.76
EW UTM [m]	430163.11
UTM zone	32
NPDID wellbore	9149

Wellbore history

General

Well 6507/5-10 S was drilled to test the Slagugle prospect on the Revfallet Fault Complex in the Norwegian Sea. The primary objective was to test the hydrocarbon potential in the Early Jurassic Åre Formation and the underlying Triassic Grey Beds.

Operations and results

Wildcat well 6507/5-10 S was spudded with the semi-submersible installation Leiv Eiriksson on 13 November 2020 and drilled to TD at 2214 m (2204.6 m TVD) m in the Triassic Red Beds. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1210 m and with BaraHib Gold water-based mud from 1210 m to TD.

The well encountered top Åre Formation at 1796 m (1789.3 m TVD) directly underlying the Paleocene Tang Formation. Top of Grey Beds was encountered at 1903 m (1895.1 m TVD). An oil-bearing interval of 255 m with 89 m net pay was found in the Åre Formation and the Grey Beds. Several oil-down-to (ODT) and pressure zones were identified in this interval with basal water-up-to identified at 2064.7 m (2055.6 m TVD). Oil shows were seen on SWC's and cuttings down to 2149 m (2139.4 m TVD). Above the reservoir shows were recorded up to 1759 m in the Tare and Tang formations.

Four cores were acquired over the Åre Fm and Grey Beds: core 1 from 1814.4 to 1823.6, cores 2 and three in succession from 1855 to 1866.5 m, and core 4 from 2009.7 to 2024.1 m. MDT fluid samples were taken at 1813.5 m (oil), 1859 m (oil), 1908.1 m (oil), 1947.61 m (oil), 1955.2 m (water), 2012.41 m (oil), 2049.7 m and 2077.7 m (water).

Three sets of permanent pressure gauges were installed during P&A across the following intervals: 1810 - 1820 m TVD 1826 - 1836 m TVD; 1876 - 1886 m TVD.

The well was permanently abandoned on 30 December 2020 as an oil discovery.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1220.00	2214.00

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	1814.4	1821.5	[m]
2	1855.0	1863.5	[m]
3	1864.0	1866.4	[m]
4	2009.7	2023.9	[m]

Total core sample length [m]	32.2
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
380	NORDLAND GP
380	NAUST FM
1379	KAI FM
1670	HORDALAND GP
1670	BRYGGE FM
1759	ROGALAND GP
1759	TARE FM
1774	TANG FM
1796	BÅT GP
1796	ÅRE FM
1903	GREY BEDS (INFORMAL)
2164	RED BEDS (INFORMAL)

Logs

Log type	Log top depth [m]	Log bottom depth [m]
GR FMI MSIP	433	2216
GR HNGS TLD HRLS	433	2214
LWD - DIR GR RES PWD	380	433
LWD - DIR GR RES PWD	1210	1780
LWD - DIR GR RES PWD DEN NEU	1780	2214
LWD - DIR GR RES PWD SON	440	1210



VSP	0	0
XLR	1782	2072
XLR	1784	2063
XPT CMR	1805	2087

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	433.0	36	433.7	0.00	
INTERM.	13 3/8	1204.0	17 1/2	1210.0	1.68	FIT
LINER	9 5/8	1778.0	12 1/4	1780.0	1.90	FIT
LINER	7	2212.5	8 1/2	2214.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
417	1.04	10.0	17.2	Water Base	
418	1.50	35.0	21.0	Water Base	
552	1.04	4.0	21.0	Water Base	
1019	1.30	14.0	12.4	Water Base	
1076	1.50	24.0	17.2	Water Base	
1102	1.04	4.0	21.0	Water Base	
1175	1.30	16.0	11.9	Water Base	
1211	1.50	24.0	17.2	Water Base	
1305	1.39	20.0	13.8	Water Base	
1795	1.20	12.0	9.5	Water Base	
2214	1.20	14.0	11.0	Water Base	