



General information

Wellbore name	6508/1-3
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6508/1-3
Seismic location	Inline 10068. crossline 3696 3D-survey: MC3D-HVG2012M
Production licence	758
Drilling operator	Capricorn Norge AS
Drill permit	1769-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	22
Entered date	20.06.2019
Completed date	11.07.2019
Plugged and abandon date	11.07.2019
Release date	13.02.2020
Publication date	20.02.2020
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	24.0
Water depth [m]	390.0
Total depth (MD) [m RKB]	1687.0
Final vertical depth (TVD) [m RKB]	1687.0
Maximum inclination [°]	2.2
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	65° 58' 25.75" N
EW degrees	8° 9' 49.92" E
NS UTM [m]	7317430.35
EW UTM [m]	462010.83
UTM zone	32
NPDID wellbore	8772



Wellbore history

General

Well 6508/1-3 was drilled to test the Lynghaug prospect in on the Sør High in the Norwegian Sea. The primary objective was to investigate the presence of hydrocarbons in the Early Jurassic Åre Formation.

Operations and results

Wildcat well 6508/1-3 was spudded with the semi-submersible installation Transocean Arctic on 20 June 2019 and drilled to TD at 1687 m in the Early Jurassic Åre Formation. Operations proceeded without significant problems. The well was drilled with seawater and hi-vis pills down to 1043 m and with Glydril water-based mud from 1043 m to TD.

Top Åre Formation came in at 1515 m, a heavily interbedded section of claystone, sandstone and coal. LWD petrophysical analysis of Åre proved 54 m net sandstone reservoir with 32% average porosity. Net/Gross ratio is 0.31. No hydrocarbons were found except low levels of mainly biogenic gas. There were no oil shows in the well.

No cores were cut. No fluid sample was taken.

The well was permanently abandoned on 11 July 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]
1050.00	1687.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
414	NORDLAND GP
414	NAUST FM
1274	KAI FM
1368	HORDALAND GP
1368	BRYGGE FM
1424	ROGALAND GP
1424	TARE FM



1499	TANG FM
1515	BÅT GP
1515	ÅRE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
APWD GR RES VSS DI ACS	413	1049
APWD RES GR DI	480	1043
APWD RES GR DI ACS	1043	1339
GR DI	413	480
GR RES APWD DEN CAL NEU DI ACS	1339	1687
VSP ZO	414	1687

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	478.5	36	479.8	0.00	
INTERM.	13 3/8	1038.0	17 1/2	1043.0	1.38	FIT
PILOT HOLE		1045.0	9 7/8	1045.0	0.00	
LINER	9 5/8	1338.0	12 1/4	1339.0	1.49	FIT
OPEN HOLE		1687.0	8 1/2	1687.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
440	1.49	26.0		1,50 sg Kill/Displacement mud	
441	1.03			Pre-hydrated Bentonite	
478	1.59	27.0		1,60 sg Kill mud	
478	1.02			Pre-hydrated Bentonite	
482	1.03			Pre-hydrated Bentonite	
986	1.59	27.0		1,60 sg Kill mud	



1043	1.19			Hi-Vis	
1043	1.15	14.0		Glydril	
1043	1.39			Displacement mud	
1049	1.49	30.0		1,50 sg Kill/Displacement mud	
1085	1.15	15.0		Inhibitive	
1180	1.16	17.0		Glydril	
1306	1.21	5.0		Glydril	
1313	1.16	17.0		Glydril	
1339	1.15	18.0		Glydril	
1339	1.16	17.0		Glydril	
1341	1.21	11.0		Glydril	
1426	1.21	17.0		Glydril	
1655	1.21	18.0		Glydril	
1687	1.02	1.0		Glydril	
1687	1.22	18.0		Glydril	