

**General information**

Wellbore name	6507/3-11 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
Well name	6507/3-11
Seismic location	EN0804R13;inline 2433;crossline 2370
Production licence	650
Drilling operator	E.ON E&P Norge AS
Drill permit	1588-L
Drilling facility	BORGLAND DOLPHIN
Drilling days	28
Entered date	18.07.2015
Completed date	15.08.2015
Release date	03.02.2017
Publication date	01.06.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	31.0
Water depth [m]	350.0
Total depth (MD) [m RKB]	2470.0
Final vertical depth (TVD) [m RKB]	2336.0
Maximum inclination [°]	29.1
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	65° 48' 59.56" N
EW degrees	7° 50' 13.93" E
NS UTM [m]	7300138.34
EW UTM [m]	446845.49
UTM zone	32
NPDID wellbore	7730



Wellbore history

General

Well 6507/3-11 S was drilled to test the Salander prospect east of the Skarv Field in the Norwegian Sea. The primary objective was to prove hydrocarbons (oil) in the Middle Jurassic Garn and Ile formations. The secondary objective was to test the Tilje Formation.

Operations and results

Wildcat well 6507/3-11 S was spudded with the semi-submersible installation Borgland Dolphin on 18 July 2015 and drilled to TD at 2470 m (2336 m TVD) in the Early Jurassic Åre Formation. A 9-7/8" pilot hole was drilled from seabed to 985 m, with no shallow gas or water flows observed. The well was drilled vertical down to 985 m. From 985 m deviation was built up to ca 26 ° at ca 1350 m. Deviation was held at ca 26° down to TD. During drilling at 2101 to 2122 m in the top of the 8 1/2" section, it was found that a damaged top drive bearing had to be replaced. This caused 108 hrs NPT. Otherwise, no significant problem was encountered in the operations. The well was drilled with seawater down to 985 m, with Innovert oil based mud from 985 m to 2144 m and with Performadril water based mud from 2144 m to TD.

Reservoir quality sandstone was confirmed in all targets. However, no hydrocarbons above minor background gas levels were recorded and no oil shows observed.

As the well was dry no coring, wire line logging or fluid sampling was carried out.

The well was permanently abandoned on 15 August 2015 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]
990.00	2470.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
381	NORDLAND GP
667	NAUST FM
1348	KAI FM
1711	HORDALAND GP



1711	BRYGGE FM
1875	ROGALAND GP
1875	TARE FM
1970	TANG FM
1997	SHETLAND GP
2124	VIKING GP
2124	MELKE FM
2167	FANGST GP
2167	GARN FM
2198	NOT FM
2200	ILE FM
2260	BÅT GP
2260	ROR FM
2312	TILJE FM
2435	ÅRE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
ABG DI GR RES PWD DEN NEU SON	985	2144
DI	381	449
GR RES PWD ALD CTN DI XBAT	2144	2470
GR RES PWD DI	381	985

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	447.0	36	449.0	0.00	
INTERM.	13 3/8	979.1	17 1/2	985.0	1.56	FIT
PILOT HOLE		985.0	9 7/8	985.0	0.00	
INTERM.	9 5/8	2139.8	12 1/4	2144.0	2.00	FIT
OPEN HOLE		2470.0	8 1/2	2470.0	0.00	

Drilling mud



Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
655	1.02	1.0		Seawater	
655	1.34	31.0		PERFORMADRIL	
2065	1.44	34.0		INNOVERT	
2144	1.44	31.0		INNOVERT	
2144	1.24	14.0		PERFORMADRIL	
2470	1.24	25.0		PERFORMADRIL	