

**General information**

Wellbore name	6706/11-2
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	6706/11-2 (Gymir)
Well name	6706/11-2
Seismic location	ST11M09Z14 3D.inline 3533 & xline 2158
Production licence	602
Drilling operator	Statoil Petroleum AS
Drill permit	1582-L
Drilling facility	TRANSOCEAN SPITSBERGEN
Drilling days	13
Entered date	25.05.2015
Completed date	06.06.2015
Release date	06.06.2017
Publication date	06.06.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS
Discovery wellbore	YES
1st level with HC, age	LATE CRETACEOUS
1st level with HC, formation	NISE FM
Kelly bushing elevation [m]	40.0
Water depth [m]	1272.0
Total depth (MD) [m RKB]	2596.0
Final vertical depth (TVD) [m RKB]	2596.0
Maximum inclination [°]	2.6
Bottom hole temperature [°C]	59
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	NISE FM
Geodetic datum	ED50
NS degrees	67° 3' 56.97" N
EW degrees	6° 32' 57.4" E
NS UTM [m]	7441008.15
EW UTM [m]	393448.69



UTM zone	32
NPDID wellbore	7709

Wellbore history

General

Well 6706/11-2 was drilled to test the Gymir prospect about 20 kilometres west of the Aasta Hansteen field in the northern part of the Norwegian Sea. The primary objective was to prove petroleum in the Late Cretaceous Nise formation.

Operations and results

Wildcat well 6706/11-2 was spudded with the semi-submersible installation Transocean Spitsbergen on 25 May 2015 and drilled to TD at 2596 m in the Late Cretaceous Nise Formation. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis sweeps down to 1896 m and with Versatec DW oil-based mud from 1896 m to TD.

Top of the Nise Reservoir was encountered at 2375 m. The Nise Formation contained gas column of about 69 m, of which 40 m in sandstone with very good reservoir quality. The gas/water contact was established by logs and good pressure data at 2444 m. The contact match with a seismic flat spot. Oil shows (light coloured direct and cut fluorescence) were described in the interval 2385 to 2393 m

One core was cut from 2388 to 2415 m in the Nise Formation. MDT fluid samples were taken at 2381.23 m (gas) and at 2483.15 m (water).

The well was permanently abandoned on 6 June 2015 as a gas discovery.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1900.00	2596.00

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	2388.0	2415.2	[m]

Total core sample length [m]	27.2
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Cores available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
1312	NORDLAND GP
1312	NAUST FM
1840	HORDALAND GP
1840	BRYGGE FM
1996	ROGALAND GP
1996	TARE FM
2050	TANG FM
2090	SHETLAND GP
2090	SPRINGAR FM
2375	NISE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
AIT OBMI	2278	2596
CMR MDT	2360	2580
ECS	2372	2426
MSIP	1365	1890
MWD - DIR APWD	1312	1390
MWD - GR RES DIR APWD	1390	1896
MWD - GR RES DIR APWD NEU CAL SO	1896	2281
MWD - GR RES DIR APWD POSTCORE	2415	2598
MWD - GR REWS DIR APWD PRECORE	2281	2388
PEX MSIP GR	1365	2596
VSP	1316	2586

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	1388.0	36	1390.0	0.00	
INTERM.	13 3/8	1887.0	17 1/2	1896.0	0.00	
		1899.0		1899.0	1.23	FIT
LINER	9 5/8	2280.0	12 1/4	2281.0	0.00	
		2284.0		2284.0	1.45	LOT
OPEN HOLE		2596.0	8 1/2	2596.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1900	1.10	18.0		Versatec	
2252	1.13	22.0		Versatec	
2456	1.15	19.0		Versatec	
2596	1.15	20.0		Versatec	