

**General information**

Wellbore name	6706/12-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Field	AASTA HANSTEEN
Discovery	6706/12-2 (Snefrid Nord)
Well name	6706/12-2
Seismic location	3D seismic survey: ST11M09Z14-inline 2429 & xline 1981
Production licence	218
Drilling operator	Statoil Petroleum AS
Drill permit	1561-L
Drilling facility	TRANSOCEAN SPITSBERGEN
Drilling days	30
Entered date	20.02.2015
Completed date	21.03.2015
Release date	21.03.2017
Publication date	21.03.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL/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]	1312.0
Total depth (MD) [m RKB]	2754.0
Final vertical depth (TVD) [m RKB]	2754.0
Maximum inclination [°]	1
Bottom hole temperature [°C]	62
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	NISE FM
Geodetic datum	ED50
NS degrees	67° 5' 8.64" N
EW degrees	6° 52' 0.65" E



NS UTM [m]	7442717.78
EW UTM [m]	407327.15
UTM zone	32
NPDID wellbore	7651

Wellbore history

General

Well 6706/12-2 was drilled to test the Snefrid Nord prospect on the Nyk High in the Norwegian Sea. The primary objective was to prove movable hydrocarbons (gas) in the Nise Formation.

Operations and results

Wildcat well 6706/12-2 was spudded with the semi-submersible Transocean Spitsbergen on 20 February 2015 and drilled to TD at 2754 m in the Late Cretaceous Nise Formation. No significant problem was encountered in the operations. The well was drilled, logged, plugged and abandoned in 29 days. It was drilled with Seawater and hi-vis pills down to 1950 m and with Glydril mud from 1950 m to TD.

The well penetrated Tertiary claystones and limestones, as well as Cretaceous claystones, limestones and sandstones. Top of the Middle Campanian Nise Reservoir was encountered at 2492.6 m. A gas column of 103.4 m and an oil column of 6 m was encountered within the Nise Formation. The oil is biodegraded. A distinct flatspot that crosses the structure is visible in the prospect, and is proven to be a result of the hydrocarbon-water contact.

The ROV measured the temperature at seabed to -0.3°C. One core was cut from 2504 m to 2537.86 m in the Nise Formation reservoir sandstone. MDT fluid samples were taken at 2541 m (gas), 2599 m (oil) and 2650 m (water).

The well was permanently abandoned on 21 March 2015 as a gas and 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]
1960.00	2754.00

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	2504.0	2537.8	[m]

Total core sample length [m]	33.8
Cores available for sampling?	YES

Oil samples at the Norwegian Offshore Directorate

Test type	Bottle number	Top depth MD [m]	Bottom depth MD [m]	Fluid type	Test time	Samples available
MDT		2599.01	0.00	OIL		NO

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
1352	NORDLAND GP
1352	NAUST FM
2090	KAI FM
2180	HORDALAND GP
2180	BRYGGE FM
2219	ROGALAND GP
2219	TARE FM
2260	TANG FM
2378	SHETLAND GP
2378	SPRINGAR FM
2493	NISE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CMR HRLA PEX ECS	2364	2754
FMI MSIP	1396	2730
FMI MSIP	2540	2610
MDT	2493	2685
MDT	2542	2650



MSCT	2455	2455
MWD - GR DIR APWD	1352	1429
MWD - GR RES DIR APWD	1429	2754
MWD - GR RES DIR APWD SON NEU DE	1950	2381
VSP	1369	2754

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	1426.5	42	1429.5	0.00	
SURF.COND.	13 3/8	1939.0	17 1/2	1950.0	1.24	FIT
LINER	9 5/8	2380.0	12 1/4	2380.0	1.35	LOT
OPEN HOLE		2754.0	8 1/2	2754.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1950	1.10	7.0		Glydril	
2170	1.11	8.0		Glydril	
2385	1.21	14.0		Deep Water Fluid	
2504	1.22	14.0		Deep Water Fluid	
2609	1.21	13.0		Deep Water Fluid	
2754	1.25	14.0		Deep Water Fluid	