

**General information**

Wellbore name	30/6-27
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Field	OSEBERG
Discovery	30/6-27
Well name	30/6-27
Seismic location	NH 154-15.NH 154-403
Production licence	053
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	1017-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	23
Entered date	08.10.2001
Completed date	30.10.2001
Release date	30.10.2003
Publication date	18.12.2008
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL/GAS
Discovery wellbore	YES
1st level with HC, age	EARLY JURASSIC
1st level with HC, formation	STATFJORD GP
Kelly bushing elevation [m]	24.0
Water depth [m]	112.0
Total depth (MD) [m RKB]	3432.0
Final vertical depth (TVD) [m RKB]	3378.0
Maximum inclination [°]	26.6
Bottom hole temperature [°C]	124
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	60° 33' 28.85" N
EW degrees	2° 40' 45.6" E
NS UTM [m]	6713759.60



EW UTM [m]	482415.19
UTM zone	31
NPDID wellbore	4425

Wellbore history

Well 30/6-27 is located a few km west of the Oseberg Field in the Northern North Sea. The main objective of the well was to prove sufficient volumes of oil and/or gas in The Statfjord Formation on the Kappa Nord structure for a joint sub sea development with the Kappa Main and Gamma Vest structures, and to confirm the seismic interpretation.

Operations and results

Wildcat well 30/7-26 was spudded with the semi-submersible installation Transocean Arctic on 8 October 2001 and drilled to TD at 3432 m (3378 m TVD RKB) in Late Triassic sediments of the Statfjord Formation. The well was vertical down to the 13 3/8" casing depth, but significant deviation from a vertical well path occurred below this depth. Maximum deviation, 26.6 deg, was recorded at 1946 m and at TD the displacement from the surface location was 287.5 m in an east-northeast direction. The well was drilled with seawater and hi-vis pills down to 1287 m and with Versavert oil based mud from 1287 m to TD.

Top reservoir was penetrated at 3101 m, 49 m shallower than prognosed. The uppermost 25 m of the Statfjord Formation may be missing due to a fault. The well proved two gas columns (respectively 25 m and 4 m) and two oil columns in the Upper Statfjord Formation. Gas-oil-contacts were interpreted at 3145 m (3067 m TVD SS) and 3162 m (3084 m TVD SS). The shallowest oil column had an oil-down-to contact at 3169 m (3091 m TVD SS). The second of these two oil columns was difficult to interpret because no obvious oil and water gradients could be derived from the pressure data. An oil-down-to contact was assumed at 3187 m (3109 m TVD SS), giving an oil column thickness of 25 m. A third oil column (5m) without gas cap was proven in the Lower Statfjord Formation at 3350 - 3355 m (3272 - 3277 m TVD SS).

One 27 m core, with 100 % recovery, was cut in the upper Statfjord Formation (3162 - 3189 m). MDT fluid sampling was performed at 3352.5 m (oil), 3202.5 m (water), 3179.5 m (oil showing on OFA), 3162.5 m (oil), 3150.5 m (oil), and 3129 m RKB (gas).

The well was permanently abandoned on 30 October 2001 as an oil and 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]
1300.00	3432.00

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	3162.0	3188.9	[m]

Total core sample length [m]	26.9
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
136	NORDLAND GP
652	UTSIRA FM
947	HORDALAND GP
1015	SKADE FM
1048	NO FORMAL NAME
1235	NO FORMAL NAME
1303	NO FORMAL NAME
1365	NO FORMAL NAME
1417	NO FORMAL NAME
2051	ROGALAND GP
2051	BALDER FM
2133	SELE FM
2241	LISTA FM
2377	VÅLE FM
2396	SHETLAND GP
2396	HARDRÅDE FM
2405	JORSALFARE FM
2670	KYRRE FM
2996	TRYGGVASON FM
3095	DUNLIN GP
3095	AMUNDSEN FM
3101	STATEFJORD GP

Geochemical information





Document name	Document format	Document size [MB]
4425_1	pdf	0.29
4425_2	pdf	2.28

Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
4425_30_6_27_COMPLETION_LOG	.PDF	8.01
4425_30_6_27_COMPLETION_REPORT	.PDF	1.35

Logs

Log type	Log top depth [m]	Log bottom depth [m]
GR MDT	3126	3404
GR MDT	3129	3352
GR VSP DSI	2185	2400
MWD - GR RES DENS NEU DIR	136	3432

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	196.0	36	198.0	0.00	LOT
SURF.COND.	13 3/8	1250.0	17 1/2	1256.0	0.00	LOT
INTERM.	9 5/8	3096.0	12 1/4	3102.0	0.00	LOT
OPEN HOLE		3446.0	8 1/2	3446.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
360	0.00			OIL BASED	
1287	1.39	16.0		WATER BASED	
2010	1.45	29.0		OIL BASED	
3061	1.50	30.0		OIL BASED	
3070	1.35	23.0		OIL BASED	
3432	1.35	26.0		OIL BASED	



**Pressure plots**

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

Document name	Document format	Document size [MB]
4425 Formation pressure (Formasjonstrykk)	pdf	0.22

