General information

Wellbore name	30/6-26
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	30/6-26 (Gamma Vest)
Well name	30/6-26
Seismic location	NH9201R98-inline 842 & xline 1266
Production licence	053
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	1014-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	23
Entered date	15.09.2001
Completed date	07.10.2001
Release date	07.10.2003
Publication date	24.01.2014
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]	108.5
Total depth (MD) [m RKB]	2865.0
Final vertical depth (TVD) [m RKB]	2860.0
Maximum inclination [°]	10.8
Bottom hole temperature [°C]	80
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	60° 31' 39.7'' N
EW degrees	2° 42' 37.61'' E
NS UTM [m]	6710374.68

EW UTM [m]	484106.55
UTM zone	31
NPDID wellbore	4416

Wellbore history

General

Well 30/6-26 was drilled on the Gamma West structure on the western flank of the Oseberg Field in the North Sea. The purpose of the well was to prove oil and gas in the Early Jurassic Statfjord Group.

Operations and results

Wildcat well 30/6-26 was spudded with the semi-submersible installation Transocean Arctic on 15 September 2001 and drilled to TD at 2865 m in the Early Jurassic Statfjord Group. The well is classified as vertical, but from 300 to 800 m in the 17 1/2" section the deviation from vertical was up to 10.8 deg. Due to this the measured depth below 800 m is ca 5.5 m short of vertical depth. The well was drilled with sea water and hi-vis pills down to 1212 m and with Versavert oil based mud from 1212 m to TD.

Top Statfjord Group was encountered at 2668 m. A 29 m gas column and a 43 m oil column were proven in the Upper Statfjord Group. The gas-oil-contact is interpreted at 2697 m (2692 m TVD) and the oil-water contact at 2741 m (2735 m TVD). The oil-bearing part of the Statfjord Formation has excellent reservoir properties. The oil zone is divided in two parts by a marine shale, which represents a ca 1.2 bar pressure barrier in the oil zone penetrated by the well. The Lower Statfjord Formation was water-bearing. Fluid samples confirmed the fluid types. No oil shows were described outside of the petroleum-bearing reservoir.

One 28 m core was cut in the Upper Statfjord Formation from 2690 to 2718 m, with 98.9% recovery. The MDT wire line tool was used for formation pressure testing and fluid sampling. Twenty-five good pressure points were acquired. Fluid sampling was performed at 2772 m (water), 2735 m (oil), 2716 m (oil) and 2669 m (gas).

The well was permanently abandoned on 7 October 2001 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]
1250.00	2865.00

Cuttings available for sampling?	YES

Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	2690.0	2717.7	[m]

Total core sample length [m]	27.7
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
132	NORDLAND GP
623	UTSIRA FM
897	HORDALAND GP
956	SKADE FM
984	NO FORMAL NAME
1069	NO FORMAL NAME
2006	ROGALAND GP
2006	BALDER FM
2100	SELE FM
2182	LISTA FM
2292	VÅLE FM
2307	SHETLAND GP
2307	HARDRÅDE FM
2431	KYRRE FM
2598	DUNLIN GP
2598	AMUNDSEN FM
2669	STATFJORD GP

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

Document name	Document format	Document size [MB]
4416_30_6_26_COMPLETION_LOG	.pdf	7.54
4416_30_6_26_COMPLETION_REPORT	.pdf	1.31

Logs

Log type	Log top depth [m]	Log bottom depth [m]
GR DSI VSP	2100	2860
GR MDT	2669	2857
GR MDT	2716	2735
MWD - DIR	132	196
MWD - GR RES DIR	196	2636
MWD - GR RES NEU DEN DIR	2636	2865

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	193.0	36	193.0	0.00	LOT
SURF.COND.	13 3/8	1217.0	17 1/2	1223.0	1.70	LOT
INTERM.	9 5/8	2631.0	12 1/4	2636.0	1.50	LOT
OPEN HOLE		2865.0	8 1/2	2865.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
194	1.08			water based	
195	1.08	39.0		water based	
356	1.36	31.0		oil based	
1020	1.08	38.0		water based	
1223	1.39	20.0		water based	
2015	1.45	28.0		oil based	
2567	1.36	31.0		oil based	
2620	1.45	32.0		oil based	
2636	1.50	36.0		oil based	
2636	1.50	37.0		oil based	
2690	1.35	23.0		oil based	
2744	1.35	23.0		oil based	
2865	1.35	24.0		oil based	
2865	0.00			oil based	
2865	1.35	24.0		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]
4416_Formation_pressure_(Formasjonstrykk)	pdf	0.23