

**General information**

Wellbore name	30/6-28 S
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	30/6-28 S
Well name	30/6-28
Seismic location	3D Survey NH05M01 inline 3600 & xline 9415
Production licence	053
Drilling operator	Statoil Petroleum AS
Drill permit	1390-L
Drilling facility	COSLPioneer
Drilling days	74
Entered date	16.01.2012
Completed date	29.03.2012
Release date	29.03.2014
Publication date	29.03.2014
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	EARLY JURASSIC
1st level with HC, formation	STATFJORD GP
Kelly bushing elevation [m]	25.0
Water depth [m]	110.0
Total depth (MD) [m RKB]	4064.0
Final vertical depth (TVD) [m RKB]	3832.0
Maximum inclination [°]	31
Bottom hole temperature [°C]	140
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	HEGRE GP
Geodetic datum	ED50
NS degrees	60° 33' 59.47" N
EW degrees	2° 44' 40.7" E



NS UTM [m]	6714691.29
EW UTM [m]	486000.09
UTM zone	31
NPDID wellbore	6768

Wellbore history

General

Well 30/6-28 S was drilled in the Oseberg Alpha fault block, the main structure on the Oseberg Field. The primary objective was to test the Crux prospect in the Lomvi Formation in the Triassic Hegre Group. The secondary objective was to test the Crimp prospect in the Statfjord Group in an up flank position of the 30/6-17 well.

Operations and results

Due to shallow gas warnings a pilot hole (30/6-U-26) was drilled 15m south of the main well position. The pilot was drilled to 749 m in the Utsira Formation. No shallow gas indications while drilling the pilot and the main well were observed by the ROV or seen on the logs.

Wildcat well 30/6-28 S was spudded with the semi-submersible installation COSL Pioneer on 16 January 2012 and drilled to TD at 4063 m in Late Triassic sediments in the Hegre Group. The well was drilled vertical down to 1020 m and deviated from there, reaching a ca 30 deg deviation at 2550 m. This deviation was kept down to ca 3850 m, from where the deviation fell back to 19 deg at TD. The well was drilled with sea water and hi-vis pills down to 1010 m, with Versatec oil based mud from 1010 m to 2075 m, and with Low-EDC-HTHP oil based mud from 2075 m to TD.

Oil was found in the very top of the Statfjord Group with an estimated OWC at 2487.6 m (2453 m TVD) in the well. Due to an unexpected thick "Alke formation" (informal unit) within the Hegre Group the Lomvi Formation was not reached. The whole Triassic sequence was dry. No oil shows were described in the well.

No cores were cut. MDT fluid samples were taken at 2484.7 m (oil) and 3549 m (water).

The well was permanently abandoned on 29 March 2012 as an 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]
1020.00	4063.00

Cuttings available for sampling?	YES
----------------------------------	-----

Palynological slides at the Norwegian Offshore Directorate



Sample depth	Depth unit	Sample type	Laboratory
2190.0	[m]	DC	FUGRO
2200.0	[m]	DC	FUGRO
2210.0	[m]	DC	FUGRO
2220.0	[m]	DC	FUGRO
2230.0	[m]	DC	FUGRO
2240.0	[m]	DC	FUGRO
2250.0	[m]	DC	FUGRO
2260.0	[m]	DC	FUGRO
2270.0	[m]	DC	FUGRO
2280.0	[m]	DC	FUGRO
2290.0	[m]	DC	FUGRO
2300.0	[m]	DC	FUGRO
2310.0	[m]	DC	FUGRO
2320.0	[m]	DC	FUGRO
2330.0	[m]	DC	FUGRO
2340.0	[m]	DC	FUGRO
2350.0	[m]	DC	FUGRO
2360.0	[m]	DC	FUGRO
2370.0	[m]	DC	FUGRO
2380.0	[m]	DC	FUGRO
2390.0	[m]	DC	FUGRO
2400.0	[m]	DC	FUGRO
2410.0	[m]	DC	FUGRO
2420.0	[m]	DC	FUGRO
2430.0	[m]	DC	FUGRO
2440.0	[m]	DC	FUGRO
2450.0	[m]	DC	FUGRO
2460.0	[m]	DC	FUGRO
2470.0	[m]	DC	FUGRO
2480.0	[m]	DC	FUGRO
2490.0	[m]	DC	FUGRO
2500.0	[m]	DC	FUGRO
2510.0	[m]	DC	FUGRO
2520.0	[m]	DC	FUGRO
2530.0	[m]	DC	FUGRO
2540.0	[m]	DC	FUGRO
2550.0	[m]	DC	FUGRO
2560.0	[m]	DC	FUGRO
2570.0	[m]	DC	FUGRO



2580.0	[m]	DC	FUGRO
2600.0	[m]	DC	FUGRO
2610.0	[m]	DC	FUGRO
2620.0	[m]	DC	FUGRO
2630.0	[m]	DC	FUGRO
2640.0	[m]	DC	FUGRO
2650.0	[m]	DC	FUGRO
2660.0	[m]	DC	FUGRO
2670.0	[m]	DC	FUGRO
2680.0	[m]	DC	FUGRO
2690.0	[m]	DC	FUGRO
2700.0	[m]	DC	FUGRO
2710.0	[m]	DC	FUGRO
2720.0	[m]	DC	FUGRO
2730.0	[m]	DC	FUGRO
2740.0	[m]	DC	FUGRO
2750.0	[m]	DC	FUGRO
2760.0	[m]	DC	FUGRO
2770.0	[m]	DC	FUGRO
2780.0	[m]	DC	FUGRO
2790.0	[m]	DC	FUGRO
2800.0	[m]	DC	FUGRO
2810.0	[m]	DC	FUGRO
2820.0	[m]	DC	FUGRO
2830.0	[m]	DC	FUGRO
2840.0	[m]	DC	FUGRO
2850.0	[m]	DC	FUGRO
2860.0	[m]	DC	FUGRO
2870.0	[m]	DC	FUGRO
2880.0	[m]	DC	FUGRO
2890.0	[m]	DC	FUGRO
2900.0	[m]	DC	FUGRO
2910.0	[m]	DC	FUGRO
2920.0	[m]	DC	FUGRO
2930.0	[m]	DC	FUGRO
2940.0	[m]	DC	FUGRO
2950.0	[m]	DC	FUGRO
2960.0	[m]	DC	FUGRO
2970.0	[m]	DC	FUGRO
2980.0	[m]	DC	FUGRO



2990.0	[m]	DC	FUGRO
3000.0	[m]	DC	FUGRO
3010.0	[m]	DC	FUGRO
3020.0	[m]	DC	FUGRO
3030.0	[m]	DC	FUGRO
3040.0	[m]	DC	FUGRO
3050.0	[m]	DC	FUGRO
3060.0	[m]	DC	FUGRO
3070.0	[m]	DC	FUGRO
3080.0	[m]	DC	FUGRO
3090.0	[m]	DC	FUGRO
3100.0	[m]	DC	FUGRO
3110.0	[m]	DC	FUGRO
3120.0	[m]	DC	FUGRO
3130.0	[m]	DC	FUGRO
3140.0	[m]	DC	FUGRO
3150.0	[m]	DC	FUGRO
3160.0	[m]	DC	FUGRO
3170.0	[m]	DC	FUGRO
3180.0	[m]	DC	FUGRO
3190.0	[m]	DC	FUGRO
3200.0	[m]	DC	FUGRO
3210.0	[m]	DC	FUGRO
3220.0	[m]	DC	FUGRO
3230.0	[m]	DC	FUGRO
3240.0	[m]	DC	FUGRO
3250.0	[m]	DC	FUGRO
3260.0	[m]	DC	FUGRO
3270.0	[m]	DC	FUGRO
3280.0	[m]	DC	FUGRO
3290.0	[m]	DC	FUGRO
3300.0	[m]	DC	FUGRO
3310.0	[m]	DC	FUGRO
3320.0	[m]	DC	FUGRO
3330.0	[m]	DC	FUGRO
3340.0	[m]	DC	FUGRO
3350.0	[m]	DC	FUGRO
3360.0	[m]	DC	FUGRO
3370.0	[m]	DC	FUGRO
3380.0	[m]	DC	FUGRO



3390.0 [m]	DC	FUGRO
3400.0 [m]	DC	FUGRO
3408.0 [m]	DC	FUGRO
3426.0 [m]	DC	FUGRO
3444.0 [m]	DC	FUGRO
3462.0 [m]	DC	FUGRO
3495.0 [m]	DC	FUGRO
3513.0 [m]	DC	FUGRO
3531.0 [m]	DC	FUGRO
3549.0 [m]	DC	FUGRO
3561.0 [m]	DC	FUGRO
3567.0 [m]	DC	FUGRO
3573.0 [m]	DC	FUGRO
3585.0 [m]	DC	FUGRO
3606.0 [m]	DC	FUGRO
3609.0 [m]	DC	FUGRO
3612.0 [m]	DC	FUGRO
3624.0 [m]	DC	FUGRO
3633.0 [m]	DC	FUGRO
3639.0 [m]	DC	FUGRO
3645.0 [m]	DC	FUGRO
3657.0 [m]	DC	FUGRO
3663.0 [m]	DC	FUGRO
3669.0 [m]	DC	FUGRO
3684.0 [m]	DC	FUGRO
3696.0 [m]	DC	FUGRO
3705.0 [m]	DC	FUGRO
3723.0 [m]	DC	FUGRO
3741.0 [m]	DC	FUGRO
3759.0 [m]	DC	FUGRO
3765.0 [m]	DC	FUGRO
3777.0 [m]	DC	FUGRO
3789.0 [m]	DC	FUGRO
3792.0 [m]	DC	FUGRO
3795.0 [m]	DC	FUGRO
3798.0 [m]	DC	FUGRO
3804.0 [m]	DC	FUGRO
3810.0 [m]	DC	FUGRO
3813.0 [m]	DC	FUGRO
3819.0 [m]	DC	FUGRO



3822.0	[m]	DC	FUGRO
3825.0	[m]	DC	FUGRO
3828.0	[m]	DC	FUGRO
3849.0	[m]	DC	FUGRO
3855.0	[m]	DC	FUGRO
3873.0	[m]	DC	FUGRO
3876.0	[m]	DC	FUGRO
3888.0	[m]	DC	FUGRO
3903.0	[m]	DC	FUGRO
3915.0	[m]	DC	FUGRO
3921.0	[m]	DC	FUGRO
3927.0	[m]	DC	FUGRO
3945.0	[m]	DC	FUGRO
3957.0	[m]	DC	FUGRO
3981.0	[m]	DC	FUGRO
3999.0	[m]	DC	FUGRO
4017.0	[m]	DC	FUGRO
4032.0	[m]	DC	FUGRO
4041.0	[m]	DC	FUGRO
4044.0	[m]	DC	FUGRO

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		2485.00	0.00	OIL		YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
135	NORDLAND GP
651	UTSIRA FM
857	HORDALAND GP
1238	SKADE FM
1342	GRID FM
1448	NO FORMAL NAME
1626	NO FORMAL NAME



1952	ROGALAND GP
1952	BALDER FM
2035	SELE FM
2110	LISTA FM
2231	SHETLAND GP
2231	JORSALFARE FM
2305	KYRRE FM
2376	DUNLIN GP
2376	UNDIFFERENTIATED
2483	STATFJORD GP
2483	NANSEN FM
2590	EIRIKSSON FM
2754	HEGRE GP
2754	LUNDE FM
3960	NO FORMAL NAME

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL GR	1385	1940
CBL VDL GR	1415	1993
GYRO CBL VDL GR	170	2022
GYRO USIT CBL GR	1781	3150
MDT	2470	2550
MDT GR	3453	4012
MWD - ARCVRES9 PP	202	1010
MWD - PDX5 ARCVRES9 TELE	1010	2075
MWD - PDX5 AV8 TE ST VSO8 SADN8	2075	3402
MWD - PDX5 AV8 TEL STET	3402	4063
MWD - POWERPULSE	135	202
PEX AIT MSIP	3365	4069
PEX AIT MSIP	3382	3435
VSP GR	1755	4052

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	198.5	36	202.0	0.00	LOT
SURF.COND.	20	1003.0	26	1010.0	1.54	LOT
INTERM.	14	2068.7	17 1/2	2075.0	1.79	LOT
INTERM.	9 5/8	3382.0	12 1/4	3402.0	1.78	LOT
OPEN HOLE		4063.0	8 1/2	4063.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
996	1.23	20.0		Versatec	
1013	1.25	22.0		Versatec	
1481	1.27	23.0		Versatec	
1628	1.54	37.0		Versatec	
2018	1.55	30.0		Versatec	
2075	1.54	43.0		Versatec	
2131	1.38	12.0		OBM-Low ECD	
2241	1.39	14.0		OBM-Low ECD	
3080	1.40	14.0		OBM-Low ECD- HTHP	
3129	1.39	14.0		OBM-Low ECD- HTHP	
3317	1.39	16.0		OBM-Low ECD- HTHP	
3402	1.60	25.0		OBM-Low ECD- HTHP	
3405	1.59	22.0		OBM-Low ECD- HTHP	
3781	1.60	23.0		OBM-Low ECD- HTHP	
3800	1.68	27.0		OBM-Low ECD- HTHP	
3800	1.67	27.0		OBM-Low ECD- HTHP	
4063	1.57	25.0		OBM-Low ECD- HTHP	
4063	1.60	25.0		OBM-Low ECD- HTHP	