

**General information**

Wellbore name	34/7-35 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
Well name	34/7-35
Seismic location	3D survey: ST08M08-BIN-inline1632 & xline 5268
Production licence	552
Drilling operator	Statoil Petroleum AS
Drill permit	1403-L
Drilling facility	OCEAN VANGUARD
Drilling days	74
Entered date	08.05.2012
Completed date	22.07.2012
Release date	22.07.2014
Publication date	03.12.2014
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	262.0
Total depth (MD) [m RKB]	4393.0
Final vertical depth (TVD) [m RKB]	3710.0
Maximum inclination [°]	57.7
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	NESS FM
Geodetic datum	ED50
NS degrees	61° 18' 3.84" N
EW degrees	2° 12' 18.95" E
NS UTM [m]	6796743.09
EW UTM [m]	457422.05
UTM zone	31
NPDID wellbore	6881



Wellbore history

General

Well 34/7-35 S was drilled on Tampen Spur in the northern North Sea, just north of the Gullfaks field. The objectives of the well was to test the presence of oil in Intra Draupne Formation sandstone (Karpe prospect) and in Brent Group sandstones (Svarthå prospect).

Operations and results

Because of a shallow gas warning, a pilot hole 34/7-U-19 was spudded 22 m east from the main hole location and drilled to 1120 m in the Hordaland Group. No indication of shallow gas was observed on LWD or by the ROV.

Wildcat well 34/7-35 S was spudded with the semi-submersible installation Ocean Vanguard on 8 May 2012. The well was first drilled to a total depth of 4158 m. When pulling out the BHA was stuck at 4094 m. The drill string was cut at 3942 m, but attempts to fish the BHA were unsuccessful and the well was side tracked from 3506 m as 34/7-35 ST2. The sidetrack was drilled to final TD at 4393 m (3710 m TVD) in the Middle Jurassic Ness Formation. The well is vertical down to 2100 m and reach a ca 55 deg sailing angle at 3040 m. The well was drilled with seawater down to 1104 m, with Performadril mud from 1104 m to 2015 m, and with XP-07 oil based mud from 2015 m to final TD.

Some hydrocarbons shows were observed in sandstone from 1371 to 1385 m the Hordaland Group and in thin sandstones between 1920 and 1950 m in the Sele/Lista Formations. Both shows zones were associated to clear resistivity peaks over the sandstones. Top Draupne was encountered at 3152 m (2991.8 m TVD) and top Brent Group, Tarbert Formation, at 4276 m (3635.4 m TVD). Several thin sand bodies were drilled within the Draupne Formation and some thick sandstones were found in the Heather Formation, but with no indications of hydrocarbons. The Tarbert Formation was water-filled and with poor reservoir properties.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 22 July 2012 as a dry well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1110.00	4155.00

Cuttings available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate



Sample depth	Depth unit	Sample type	Laboratory
1120.0	[m]	DC	PETROSTR
1140.0	[m]	DC	PETROS
1160.0	[m]	DC	PETROS
1180.0	[m]	DC	PETROS
1200.0	[m]	DC	PETROS
1220.0	[m]	DC	PETROS
1240.0	[m]	DC	PETROS
1260.0	[m]	DC	PETROS
1280.0	[m]	DC	PETROS
1300.0	[m]	DC	PETROS
1320.0	[m]	DC	PETROS
1340.0	[m]	DC	PETROS
1360.0	[m]	DC	PETROS
1380.0	[m]	DC	PETROS
1400.0	[m]	DC	PETROS
1420.0	[m]	DC	PETROS
1440.0	[m]	DC	PETROS
1460.0	[m]	DC	PETROS
1480.0	[m]	DC	PETROS
1500.0	[m]	DC	PETROS
1520.0	[m]	DC	PETROS
1540.0	[m]	DC	PETROS
1560.0	[m]	DC	PETROS
1580.0	[m]	DC	PETROS
1600.0	[m]	DC	PETROS
1620.0	[m]	DC	PETROS
1640.0	[m]	DC	PETROS
1660.0	[m]	DC	PETROS
1680.0	[m]	DC	PETROS
1700.0	[m]	DC	PETROS
1720.0	[m]	DC	PETROS
1740.0	[m]	DC	PETROS
1760.0	[m]	DC	PETROS
1780.0	[m]	DC	PETROS
1800.0	[m]	DC	PETROS
1820.0	[m]	DC	PETROS
1840.0	[m]	DC	PETROS
1860.0	[m]	DC	PETROS
1880.0	[m]	DC	PETROS



1900.0	[m]	DC	PETROS
1920.0	[m]	DC	PETROS
1940.0	[m]	DC	PETROS
1960.0	[m]	DC	PETROS
1980.0	[m]	DC	PETROS
2010.0	[m]	DC	PETROS
2020.0	[m]	DC	PETROS
2040.0	[m]	DC	PETROS
2060.0	[m]	DC	PETROS
2080.0	[m]	DC	PETROS
2100.0	[m]	DC	PETROS
2120.0	[m]	DC	PETROS
2140.0	[m]	DC	PETROS
2160.0	[m]	DC	PETROS
2180.0	[m]	DC	PETROS
2200.0	[m]	DC	PETROS
2220.0	[m]	DC	PETROS
2240.0	[m]	DC	PETROS
2260.0	[m]	DC	PETROS
2280.0	[m]	DC	PETROS
2300.0	[m]	DC	PETROS
2320.0	[m]	DC	PETROS
2340.0	[m]	DC	PETROS
2360.0	[m]	DC	PETROS
2380.0	[m]	DC	PETROS
2400.0	[m]	DC	PETROS
2420.0	[m]	DC	PETROS
2440.0	[m]	DC	PETROS
2460.0	[m]	DC	PETROS
2480.0	[m]	DC	PETROS
3520.0	[m]	DC	PETROS
3540.0	[m]	DC	PETROS
3560.0	[m]	DC	PETROS
3580.0	[m]	DC	PETROS
3600.0	[m]	DC	PETROS
3620.0	[m]	DC	PETROS
3640.0	[m]	DC	PETROS
3660.0	[m]	DC	PETROS
3665.0	[m]	DC	PETROS
3675.0	[m]	DC	PETROS



3680.0	[m]	DC	PETROS
3685.0	[m]	DC	PETROS
3695.0	[m]	DC	PETROS
3700.0	[m]	DC	PETROS
3705.0	[m]	DC	PETROS
3715.0	[m]	DC	PETROS
3720.0	[m]	DC	PETROS
3725.0	[m]	DC	PETROS
3735.0	[m]	DC	PETROS
3740.0	[m]	DC	PETROS
3745.0	[m]	DC	PETROS
3755.0	[m]	DC	PETROS
3760.0	[m]	DC	PETROS
3770.0	[m]	DC	PETROS
3780.0	[m]	DC	PETROS
3780.0	[m]	DC	PETROS
3790.0	[m]	DC	PETROS
3800.0	[m]	DC	PETROS
3810.0	[m]	DC	PETROS
3820.0	[m]	DC	PETROS
3830.0	[m]	DC	PETROS
3840.0	[m]	DC	PETROS
3845.0	[m]	DC	PETROS
3850.0	[m]	DC	PETROS
3855.0	[m]	DC	PETROS
3860.0	[m]	DC	PETROS
3865.0	[m]	DC	PETROS
3870.0	[m]	DC	PETROS
3875.0	[m]	DC	PETROS
3880.0	[m]	DC	PETROS
3885.0	[m]	DC	PETROS
3890.0	[m]	DC	PETROS
3895.0	[m]	DC	PETROS
3900.0	[m]	DC	PETROS
3905.0	[m]	DC	PETROS
3910.0	[m]	DC	PETROS
3915.0	[m]	DC	PETROS
3920.0	[m]	DC	PETROS
3925.0	[m]	DC	PETROS
3930.0	[m]	DC	PETROS



3935.0	[m]	DC	PETROS
3940.0	[m]	DC	PETROS
3945.0	[m]	DC	PETROS
3950.0	[m]	DC	PETROS
3955.0	[m]	DC	PETROS
3960.0	[m]	DC	PETROS
3965.0	[m]	DC	PETROS
3975.0	[m]	DC	PETROS
3985.0	[m]	DC	PETROS
3995.0	[m]	DC	PETROS
4005.0	[m]	DC	PETROS
4015.0	[m]	DC	PETROS
4025.0	[m]	DC	PETROS
4035.0	[m]	DC	PETROS
4045.0	[m]	DC	PETROS
4055.0	[m]	DC	PETROS
4065.0	[m]	DC	PETROS
4075.0	[m]	DC	PETROS
4085.0	[m]	DC	PETROS
4095.0	[m]	DC	PETROS
4100.0	[m]	DC	PETROS
4105.0	[m]	DC	PETROS
4115.0	[m]	DC	PETROS
4125.0	[m]	DC	PETROS
4135.0	[m]	DC	PETROS
4140.0	[m]	DC	PETROS
4145.0	[m]	DC	PETROS
4150.0	[m]	DC	PETROS
4155.0	[m]	DC	PETROS
4165.0	[m]	DC	PETROS
4175.0	[m]	DC	PETROS
4185.0	[m]	DC	PETROS
4195.0	[m]	DC	PETROS
4205.0	[m]	DC	PETROS
4215.0	[m]	DC	PETROS
4225.0	[m]	DC	PETROS
4230.0	[m]	DC	PETROS
4245.0	[m]	DC	PETROS
4250.0	[m]	DC	PETROS
4255.0	[m]	DC	PETROS



4260.0 [m]	DC	PETROS
4265.0 [m]	DC	PETROS
4270.0 [m]	DC	PETROS
4275.0 [m]	DC	PETROS
4280.0 [m]	DC	PETROS
4285.0 [m]	DC	PETROS
4290.0 [m]	DC	PETROS
4295.0 [m]	DC	PETROS
4300.0 [m]	DC	PETROS
4305.0 [m]	DC	PETROS
4310.0 [m]	DC	PETROS
4315.0 [m]	DC	PETROS
4320.0 [m]	DC	PETROS
4325.0 [m]	DC	PETROS
4330.0 [m]	DC	PETROS
4335.0 [m]	DC	PETROS
4340.0 [m]	DC	PETROS
4345.0 [m]	DC	PETROS
4350.0 [m]	DC	PETROS
4355.0 [m]	DC	PETROS
4360.0 [m]	DC	PETROS
4365.0 [m]	DC	PETROS
4370.0 [m]	DC	PETROS
4375.0 [m]	DC	PETROS
4380.0 [m]	DC	PETROS
4385.0 [m]	DC	PETROS
4390.0 [m]	DC	PETROS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
284	NORDLAND GP
1046	UTSIRA FM
1051	HORDALAND GP
1746	ROGALAND GP
1746	BALDER FM
1810	SELE FM
1950	SHETLAND GP
1950	NO FORMAL NAME



3052	CROMER KNOLL GP
3052	RØDBY FM
3075	SOLA FM
3091	ÅSGARD FM
3152	VIKING GP
3152	DRAUPNE FM
3861	HEATHER FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - ARCVRES9 TELE	352	1104
MWD - PDEXCEED6 ARCRES6 TELE-	3076	4158
MWD - PDX5 ARCVRES8 TELE	2015	3076
MWD - PDX5 ARCVRES9 TELE	1104	2015
MWD - STET SONVIS6 ADN6	3076	4158
MWD - TELE	284	352
USIT CBL VDL GR	1155	1915
USIT CBL VDL GR GYRO	2493	3018

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	347.0	36	351.0	0.00	
PILOT HOLE		351.0	9 7/8	351.0	0.00	
SURF.COND.	20	1094.0	26	1104.0	1.53	FIT
INTERM.	13 3/8	2005.0	17 1/2	2015.0	1.83	LOT
LINER	9 5/8	3974.0	12 1/4	3076.0	1.76	FIT
OPEN HOLE		4393.0	8 1/2	4393.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
790	1.42	33.0		Performadril	
1095	1.43	35.0		Performadril	
1104	1.30	26.0		Performadril	



1104	1.35	4.0		Spud Mud	
1250	1.43	41.0		Performadril	
1462	1.62	45.0		XP-07 - #14	
1465	1.30	25.0		Performadril	
1780	1.43	29.0		Performadril	
2015	1.50	24.0		XP-07 - #14	
2453	1.50	23.0		XP-07 - #14	
2934	1.60	33.0		XP-07 - #14	
3076	1.52	24.0		XP-07 - #14	
3282	1.58	24.0		XP-07 - #14	
3690	1.60	30.0		XP-07 - #14	
4156	1.55	30.0		XP-07 - #14	
4158	1.55	23.0		XP-07 - #14	
4306	1.60	29.0		XP-07 - #14	
4393	1.60	29.0		XP-07 - #14	