

**General information**

Wellbore name	34/8-14 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	VISUND SØR
Discovery	34/8-14 S Visund Sør
Well name	34/8-14
Seismic location	Survey ST0404-inline 1360 & crossline 1556
Production licence	120
Drilling operator	StatoilHydro ASA
Drill permit	1201-L
Drilling facility	BORGLAND DOLPHIN
Drilling days	35
Entered date	17.09.2008
Completed date	21.10.2008
Release date	21.10.2010
Publication date	21.10.2010
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL/GAS
Discovery wellbore	YES
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	TARBERT FM
Kelly bushing elevation [m]	31.0
Water depth [m]	292.0
Total depth (MD) [m RKB]	3470.0
Final vertical depth (TVD) [m RKB]	3133.0
Maximum inclination [°]	42.9
Bottom hole temperature [°C]	115
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	DRAKE FM
Geodetic datum	ED50
NS degrees	61° 18' 37.9" N
EW degrees	2° 20' 32.9" E



NS UTM [m]	6797715.24
EW UTM [m]	464783.40
UTM zone	31
NPDID wellbore	5943

Wellbore history

General

Well 34/8-14 S with geological sidetracks A, B, C, and D were drilled on the Pan/Pandora prospect on the structural trend between the Visund and the Gimle Fields in the northern North Sea. The western part of the structure, the Pan structure, is defined by rotated fault blocks while the eastern part, the Pandora structure, consists of slided degradational blocks. The general objective of all the wells was to test the hydrocarbon potential in the structure. Wells 34/8-14 S (Pan) and 34/8-14 A (Pandora) were drilled to provide important information on the hydrocarbon phases and HC/water contacts. Both wells both proved hydrocarbons and sidetracks B, C, and D were subsequently drilled to further delineate hydrocarbon contacts and reserves.

Operations and results

Wildcat well 34/8-14 S was spudded with the semi-submersible installation Borgland Dolphin on 17 September 2008 and drilled to TD at 3470 m (3133 m TVD) in the Early Jurassic Drake Formation. Angle was built slowly up to ca 10 deg deviation at 1268 m, then a steeper angle was built up to a maximum of 42 deg at 2268 m. The well was drilled with Seawater and hi-vis sweeps down to 1268 m, with KCl polymer with GEM GP from 1268 m to 1271 m, and with XP07 OBM from 1271 m to TD.

Top Brent Group in well 34/8-14 S was encountered at 3187 m (2865 m TVD RKB) and proved to be oil and gas bearing. The quality of the reservoir sandstones of the Tarbert Formation was excellent. A GOC was found at 3226 m (2902 m TVD RKB). Oil was found down-to the Ness shales at 3247 m (2922 m TVD RKB). Above top Brent Group no oil shows are reported and gas levels were low.

Two cores were cut from 3194 to 3250.5 m in well 34/8-14 S. The MDT was run for pressure points and fluid samples. Samples were obtained at 3199 m (gas), 3229 m (oil), and 3299 m (water).

The well was plugged back and permanently abandoned on 21 October 2008 as an oil and gas discovery.

Testing

No drill stem test was performed.

Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	3194.0	3221.0	[m]
2	3221.0	3248.8	[m]



Total core sample length [m]	54.8
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
2210.0	[m]	DC	BIOSTRAT
2230.0	[m]	DC	BIOSTR
2250.0	[m]	DC	BIOSTR
2270.0	[m]	DC	BIOSTR
2290.0	[m]	DC	BIOSTR
2310.0	[m]	DC	BIOSTR
2330.0	[m]	DC	BIOSTR
2350.0	[m]	DC	BIOSTR
2370.0	[m]	DC	BIOSTR
2390.0	[m]	DC	BIOSTR
2410.0	[m]	DC	BIOSTR
2430.0	[m]	DC	BIOSTR
2450.0	[m]	DC	BIOSTR
2470.0	[m]	DC	BIOSTR
2490.0	[m]	DC	BIOSTR
2510.0	[m]	DC	BIOSTR
2530.0	[m]	DC	BIOSTR
2550.0	[m]	DC	BIOSTR
2610.0	[m]	DC	BIOSTR
2630.0	[m]	DC	BIOSTR
2650.0	[m]	DC	BIOSTR
2670.0	[m]	DC	BIOSTR
2690.0	[m]	DC	BIOSTR
2710.0	[m]	DC	BIOSTR
2730.0	[m]	DC	BIOSTR
2750.0	[m]	DC	BIOSTR
2780.0	[m]	DC	BIOSTR
2790.0	[m]	DC	BIOSTR
2800.0	[m]	DC	BIOSTR
2830.0	[m]	DC	BIOSTR
2850.0	[m]	DC	BIOSTR
2870.0	[m]	DC	BIOSTR
2890.0	[m]	DC	BIOSTR



2910.0	[m]	DC	BIOSTR
2930.0	[m]	DC	BIOSTR
2950.0	[m]	DC	BIOSTR
2970.0	[m]	DC	BIOSTR
2980.0	[m]	DC	BIOSTR
2990.0	[m]	DC	BIOSTR
3000.0	[m]	DC	BIOSTR
3010.0	[m]	DC	BIOSTR
3020.0	[m]	DC	BIOSTR
3030.0	[m]	DC	BIOSTR
3040.0	[m]	DC	BIOSTR
3050.0	[m]	DC	BIOSTR
3060.0	[m]	DC	BIOSTR
3070.0	[m]	DC	BIOSTR
3080.0	[m]	DC	BIOSTR
3090.0	[m]	DC	BIOSTR
3100.0	[m]	DC	BIOSTR
3110.0	[m]	DC	BIOSTR
3120.0	[m]	DC	BIOSTR
3130.0	[m]	DC	BIOSTR
3140.0	[m]	DC	BIOSTR
3150.0	[m]	DC	BIOSTR
3160.0	[m]	DC	BIOSTR
3170.0	[m]	DC	BIOSTR
3175.0	[m]	DC	BIOSTR
3180.0	[m]	DC	BIOSTR
3185.0	[m]	DC	BIOSTR
3190.0	[m]	DC	BIOSTR
3194.3	[m]	C	BIOSTR
3196.8	[m]	C	BIOSTR
3199.3	[m]	C	BIOSTR
3199.8	[m]	C	BIOSTR
3201.4	[m]	C	BIOSTR
3203.6	[m]	C	BIOSTR
3206.7	[m]	C	BIOSTR
3210.6	[m]	C	BIOSTR
3214.6	[m]	C	BIOSTR
3218.8	[m]	C	BIOSTR
3222.9	[m]	C	BIOSTR
3224.3	[m]	C	BIOSTR



3228.0	[m]	C	BIOSTR
3241.2	[m]	C	BIOSTR
3244.7	[m]	C	BIOSTR
3246.8	[m]	C	BIOSTR
3248.7	[m]	C	BIOSTR
3255.0	[m]	DC	BIOSTR
3265.0	[m]	DC	BIOSTR
3275.0	[m]	DC	BIOSTR
3285.0	[m]	DC	BIOSTR
3295.0	[m]	DC	BIOSTR
3305.0	[m]	DC	BIOSTR
3315.0	[m]	DC	BIOSTR
3325.0	[m]	DC	BIOSTR
3335.0	[m]	DC	BIOSTR
3345.0	[m]	DC	BIOSTR
3355.0	[m]	DC	BIOSTR
3365.0	[m]	DC	BIOSTR
3375.0	[m]	DC	BIOSTR
3385.0	[m]	DC	BIOSTR
3395.0	[m]	DC	BIOSTR
3400.0	[m]	DC	BIOSTR
3405.0	[m]	DC	BIOSTR
3410.0	[m]	DC	BIOSTR
3415.0	[m]	DC	BIOSTR
3425.0	[m]	DC	BIOSTR
3430.0	[m]	DC	BIOSTR
3435.0	[m]	DC	BIOSTR
3440.0	[m]	DC	BIOSTR
3445.0	[m]	DC	BIOSTR
3450.0	[m]	DC	BIOSTR
3455.0	[m]	DC	BIOSTR
3460.0	[m]	DC	BIOSTR
3465.0	[m]	DC	BIOSTR
3470.0	[m]	DC	BIOSTR

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
323	NORDLAND GP



1002	UTSIRA FM
1115	HORDALAND GP
1409	NO FORMAL NAME
1445	NO FORMAL NAME
1476	NO FORMAL NAME
1497	NO FORMAL NAME
1945	ROGALAND GP
1945	BALDER FM
2035	SELE FM
2055	LISTA FM
2213	SHETLAND GP
2213	JORSALFARE FM
2375	KYRRE FM
3171	CROMER KNOLL GP
3182	VIKING GP
3182	DRAUPNE FM
3184	HEATHER FM
3187	BRENT GP
3187	TARBERT FM
3244	NESS FM
3301	ETIVE FM
3337	RANNOCH FM
3411	DUNLIN GP
3411	DRAKE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CMR PEX AIT	2979	3421
LWD - CORE ASSY	3194	3250
LWD - GR ES	384	2970
LWD - GR RES DEN NEU SVWD	0	0
LWD - GR RES DEN NEU SVWD	2970	3194
MDT	3199	3299
MDT	3199	3199
MDT CMR	3188	3383
SONIC SCANNER OBMI	1877	3468
VSP	3777	3860

**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	383.0	36	387.0	0.00	LOT
SURF.COND.	20	1262.0	26	1286.0	1.60	LOT
INTERM.	9 5/8	2961.0	12 1/4	2970.0	1.80	LOT
OPEN HOLE		3470.0	8 1/2	3470.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
388	1.60	31.0		Kill Fluid- SW/Bentonite	
388	1.04	23.0		Spud Mud	
428	1.60	31.0		Kill Fluid- SW/Bentonite	
1095	1.39	18.0		OBM-Low ECD	
1257	1.39	17.0		OBM-Low ECD	
1268	1.30	37.0		KCl/Polymer	
1312	1.60	25.0		OBM-Low ECD	
1936	1.48	22.0		OBM-Low ECD	
2576	1.48	20.0		OBM-Low ECD	
2970	1.48	19.0		OBM-Low ECD	
2972	1.55	19.0		OBM-Low ECD	
3428	1.60	24.0		OBM-Low ECD	
3471	1.60	22.0		OBM-Low ECD	