General information

Wellbore name	34/10-39 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	34/10-39
Seismic location	ST 9207-3D: Row 2760 & Column 638
Production licence	050
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	812-L
Drilling facility	DEEPSEA BERGEN
Drilling days	21
Entered date	31.05.1995
Completed date	20.06.1995
Release date	20.06.1997
Publication date	06.01.2014
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	140.0
Total depth (MD) [m RKB]	3290.0
Final vertical depth (TVD) [m RKB]	3142.0
Bottom hole temperature [°C]	114
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	61° 12' 44.79'' N
EW degrees	2° 1' 32.11'' E
NS UTM [m]	6787001.95
EW UTM [m]	447649.07
UTM zone	31
NPDID wellbore	2574

Wellbore history

General

Well 34/10-39 S was drilled on mid-way between the Gullfaks and Statfjord Fields on Tampen Spur in the North Sea.

Operations and results

Wildcat ell 34/10-39 S was spudded with the semi-submersible installation Deepsea Bergen on 31 May 1995 and drilled to TD at 3290 m (3142 m TVD) in the Early Jurassic Statfjord Group. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis pills down to 476 m, with KCl/polymer mud from 476 m to 2060 m, and with ANCO 2000 mud from 2060 m to TD.

The Viking Group was encountered at 2482 m (2448 m TVD) and consisted of 22 m TVD of excellent source rock Draupne Formation and 55 m TVD of Heather Formation. The top of the Brent Group was penetrated at 2562 m (2525 m TVD), approximately 50 m lower than prognosed and proved to be water bearing. The Cook Formation was also water bearing. The well was extended to the Statfjord Group, which also proved to be water bearing. Weak oil shows were recorded in some siltstones in the interval 2310 m to 2400 m in the Shetland Group, otherwise no signs of hydrocarbons were observed in the well.

No cores were cut. Very good FMT pressure points were acquired, but no fluid sample was taken.

The well was permanently abandoned on 20 June 1995 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]
490.00	3290.00

Cuttings available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1700.0	[m]	DC	GEOSTR
1720.0	[m]	DC	GEOSTR
1730.0	[m]	DC	GEOSTR
1750.0	[m]	DC	GEOSTR
1760.0	[m]	DC	GEOSTR
1780.0	[m]	DC	GEOSTR

1790.0	[m]	DC	GEOSTR
1810.0	[m]	DC	GEOSTR
1820.0	[m]	DC	GEOSTR
1840.0	[m]	DC	GEOSTR
1850.0	[m]	DC	GEOSTR
1870.0	[m]	DC	GEOSTR
1880.0	[m]	DC	GEOSTR
1900.0	[m]	DC	GEOSTR
1910.0	[m]	DC	GEOSTR
1930.0	[m]	DC	GEOSTR
1940.0	[m]	DC	GEOSTR
1960.0	[m]	DC	GEOSTR
1970.0	[m]	DC	GEOSTR
1990.0	[m]	DC	GEOSTR
2000.0	[m]	DC	GEOSTR
2020.0	[m]	DC	GEOSTR
2030.0	[m]	DC	GEOSTR
2050.0	[m]	DC	GEOSTR
2060.0	[m]	DC	GEOSTR
2080.0	[m]	DC	GEOSTR
2090.0	[m]	DC	GEOSTR
2110.0	[m]	DC	GEOSTR
2120.0	[m]	DC	GEOSTR
2140.0	[m]	DC	GEOSTR
2150.0	[m]	DC	GEOSTR
2170.0	[m]	DC	GEOSTR
2180.0	[m]	DC	GEOSTR
2200.0	[m]	DC	GEOSTR
2210.0	[m]	DC	GEOSTR
2230.0	[m]	DC	GEOSTR
2240.0	[m]	DC	GEOSTR
2260.0	[m]	DC	GEOSTR
2270.0	[m]	DC	GEOSTR
2290.0	[m]	DC	GEOSTR
2300.0	[m]	DC	GEOSTR
2320.0	[m]	DC	GEOSTR
2330.0	[m]	DC	GEOSTR
2350.0	[m]	DC	GEOSTR
2360.0	[m]	DC	GEOSTR
2380.0	[m]	DC	GEOSTR

2390.0	[m]	DC	GEOSTR
2410.0	[m]	DC	GEOSTR
2420.0	[m]	DC	GEOSTR
2440.0	[m]	DC	GEOSTR
2450.0	[m]	DC	GEOSTR
2456.0	[m]	DC	GEOSTR
2468.0	[m]	DC	GEOSTR
2477.0	[m]	DC	GEOSTR
2486.0	[m]	DC	GEOSTR
2492.0	[m]	DC	GEOSTR
2501.0	[m]	DC	GEOSTR
2504.0	[m]	DC	GEOSTR
2510.0	[m]	DC	GEOSTR
2516.0	[m]	DC	GEOSTR
2525.0	[m]	DC	GEOSTR
2528.0	[m]	DC	GEOSTR
2534.0	[m]	DC	GEOSTR
2543.0	[m]	DC	GEOSTR
2546.0	[m]	DC	GEOSTR
2552.0	[m]	DC	GEOSTR
2560.0	[m]	SWC	WESTLB
2564.0	[m]	DC	GEOSTR
2568.0	[m]	SWC	WESTLB
2573.0	[m]	SWC	WESTLB
2582.0	[m]	SWC	WESTLB
2588.0	[m]	DC	GEOSTR
2594.0	[m]	DC	GEOSTR
2607.0	[m]	SWC	WESTLB
2611.0	[m]	SWC	WESTLB
2622.0	[m]	SWC	WESTLB
2624.0	[m]	DC	GEOSTR
2631.0	[m]	SWC	WESTLB
2637.0	[m]	SWC	WESTLB
2642.0	[m]	DC	GEOSTR
2648.0	[m]	DC	GEOSTR
2654.0	[m]	DC	GEOSTR
2660.0	[m]	DC	GEOSTR
2669.0	[m]	DC	GEOSTR
2672.0	[m]	DC	GEOSTR
2681.0	[m]	DC	GEOSTR

2687.0	[m]	DC	GEOSTR
2693.0	[m]	DC	GEOSTR
2699.0	[m]	DC	GEOSTR
2704.0	[m]	SWC	WESTLB
2711.0	[m]	DC	GEOSTR
2718.0	[m]	SWC	WESTLB
2723.0	[m]	DC	GEOSTR
2729.0	[m]	DC	GEOSTR
2741.0	[m]	DC	GEOSTR
2747.0	[m]	DC	GEOSTR
2753.0	[m]	DC	GEOSTR
2759.0	[m]	DC	GEOSTR
2765.0	[m]	DC	GEOSTR
2774.0	[m]	DC	GEOSTR
2779.0	[m]	SWC	WESTLB
2785.0	[m]	DC	GEOSTR
2804.0	[m]	DC	GEOSTR
2813.0	[m]	DC	GEOSTR
2816.0	[m]	SWC	WESTLB
2825.0	[m]	DC	GEOSTR
2834.0	[m]	DC	GEOSTR
2846.0	[m]	DC	GEOSTR
2852.0	[m]	DC	GEOSTR
2861.0	[m]	DC	GEOSTR
2876.0	[m]	SWC	WESTLB
2879.0	[m]	DC	GEOSTR
2888.0	[m]	DC	GEOSTR
2897.0	[m]	DC	GEOSTR
2903.0	[m]	SWC	WESTLB
2915.0	[m]	DC	GEOSTR
2924.0	[m]	DC	GEOSTR
2933.0	[m]	DC	GEOSTR
2945.0	[m]	DC	GEOSTR
2954.0	[m]	DC	GEOSTR
2960.0	[m]	DC	GEOSTR
2969.0	[m]	DC	GEOSTR
2978.0	[m]	DC	GEOSTR
2987.0	[m]	DC	GEOSTR
2999.0	[m]	DC	GEOSTR
3005.0	[m]	DC	GEOSTR

3014.0	[m]	DC	GEOSTR
3023.0	[m]	DC	GEOSTR
3032.0	[m]	DC	GEOSTR
3041.0	[m]	DC	GEOSTR
3053.0	[m]	DC	GEOSTR
3059.0	[m]	DC	GEOSTR
3065.0	[m]	SWC	WESTLB
3080.0	[m]	DC	GEOSTR
3095.0	[m]	DC	GEOSTR
3110.0	[m]	DC	GEOSTR
3125.0	[m]	DC	GEOSTR
3143.0	[m]	DC	GEOSTR
3155.0	[m]	DC	GEOSTR
3170.0	[m]	DC	GEOSTR
3185.0	[m]	DC	GEOSTR
3200.0	[m]	DC	GEOSTR
3215.0	[m]	DC	GEOSTR
3231.0	[m]	SWC	WESTLB
3245.0	[m]	DC	GEOSTR
3263.0	[m]	DC	GEOSTR
3275.0	[m]	DC	GEOSTR
3290.0	[m]	DC	GEOSTR

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
163	NORDLAND GP
948	UTSIRA FM
975	HORDALAND GP
1739	ROGALAND GP
1739	BALDER FM
1801	LISTA FM
1950	SHETLAND GP
2473	CROMER KNOLL GP
2482	VIKING GP
2482	DRAUPNE FM
2505	HEATHER FM
2562	BRENT GP
2562	TARBERT FM

2605	NESS FM
2712	ETIVE FM
2727	RANNOCH FM
2800	BROOM FM
2814	DUNLIN GP
2814	DRAKE FM
2900	COOK FM
2985	BURTON FM
3065	AMUNDSEN FM
3238	STATFJORD GP

Geochemical information

Document name	Document format	Document size [MB]
2574_1	pdf	0.20
2574_2	pdf	2.07

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

Document name	Document format	Document size [MB]
2574_34_10_39_S_COMPLETION_REPORT_AND_LOG	pdf	11.21

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DLL ACL ZDL CNL GR CHT	2049	3145
FMT GR CHT	2563	2766
MWD - DPR	461	3119
SWC GR	2385	3231
VSP	500	2970

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	223.0	36	225.0	0.00	LOT
SURF.COND.	13 3/8	461.0	17 1/2	476.0	1.48	LOT
INTERM.	9 5/8	2049.5	12 1/4	2060.0	2.18	LOT
OPEN HOLE		3290.0	8 1/2	3290.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
476	1.03			water based	
912	1.25	27.0		water based	
2060	1.32	39.0		water based	
2692	1.58	35.0		water based	
3290	1.58	35.0		water 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]
2574_Formation_pressure_(Formasjonstrykk)	pdf	0.23