



General information





Wellbore name	24/12-3 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Discovery	24/12-3 S
Well name	24/12-3
Seismic location	WEST 2412SC-INLINE 2781 & CROSSLINE 1594
Production licence	204
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	847-L
Drilling facility	DEEPSEA TRYM
Drilling days	33
Entered date	27.06.1996
Completed date	29.07.1996
Release date	29.07.1998
Publication date	29.05.2002
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	PALEOCENE
1st level with HC, formation	HEIMDAL FM
Kelly bushing elevation [m]	25.0
Water depth [m]	118.0
Total depth (MD) [m RKB]	3058.0
Final vertical depth (TVD) [m RKB]	2726.0
Maximum inclination [°]	36.2
Bottom hole temperature [°C]	90
Oldest penetrated age	PALEOCENE
Oldest penetrated formation	VÅLE FM
Geodetic datum	ED50
NS degrees	59° 5' 57.53" N
EW degrees	1° 47' 23.33" E
NS UTM [m]	6551890.29
EW UTM [m]	430671.31
UTM zone	31
NPDID wellbore	2823

**Wellbore history****General**

The main objective for the well was to test the hydrocarbon potential in the Paleocene Heimdal Formation on the A-Heimdal Prospect.

Operations and results

Well 24/12-3S was spudded on 27 June 1996 with the semi submersible drilling rig "Deepsea Trym" and reached TD at 3058 m (2751 m TVD RKB) in the Paleocene Våle Formation on 23 July 1996. The well was drilled water based with bentonite spud mud down to 1130 m and with ANCO 2000 mud from 1130 to TD. Geochemical analyses indicated that the water based mud contained traces of oil, which did not originate from the reservoir oil in the well.

The well proved 2.8m TVD of hydrocarbons in the top of the Heimdal Formation. This has been deducted from FMT sampling and petrophysical evaluation of wire line logs. The well was not tested due to the limited oil column present at the well location. One core was cut in the interval 2396 - 2408 m in the Heimdal Formation. An FMT segregated sample containing gas, oil, and mud filtrate was taken at 2398.4 m.

The well was permanently plugged and abandoned 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]
1140.00	3057.00

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	2396.0	2406.3	[m]

Total core sample length [m]	10.3
Cores available for sampling?	YES

Core photos



2396-2401m



2401-2406m



2406-2407m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1340.0	[m]	DC	UOS
1360.0	[m]	DC	UOS
1380.0	[m]	DC	UOS
1410.0	[m]	DC	UOS
1420.0	[m]	DC	UOS
1430.0	[m]	DC	UOS
1450.0	[m]	DC	UOS
1470.0	[m]	DC	UOS
1480.0	[m]	DC	UOS
1500.0	[m]	DC	UOS
1510.0	[m]	DC	UOS
1530.0	[m]	DC	UOS
1540.0	[m]	DC	UOS
1560.0	[m]	DC	UOS
1570.0	[m]	DC	UOS
1590.0	[m]	DC	UOS
1600.0	[m]	DC	UOS
1620.0	[m]	DC	UOS
1630.0	[m]	DC	UOS
1640.0	[m]	DC	UOS
1650.0	[m]	DC	UOS
1670.0	[m]	DC	UOS
1680.0	[m]	DC	UOS
1700.0	[m]	DC	UOS
1710.0	[m]	DC	UOS
1730.0	[m]	DC	UOS
1740.0	[m]	DC	UOS
1760.0	[m]	DC	UOS
1770.0	[m]	DC	UOS



1790.0	[m]	DC	UOS
1800.0	[m]	DC	UOS
1820.0	[m]	DC	UOS
1830.0	[m]	DC	UOS
1850.0	[m]	DC	UOS
1860.0	[m]	DC	UOS
1880.0	[m]	DC	UOS
1890.0	[m]	DC	UOS
1900.0	[m]	DC	UOS
1920.0	[m]	DC	UOS
1940.0	[m]	DC	UOS
1950.0	[m]	DC	UOS
1970.0	[m]	DC	UOS
1980.0	[m]	DC	UOS
2000.0	[m]	DC	UOS
2015.0	[m]	DC	UOS
2030.0	[m]	DC	UOS
2039.0	[m]	DC	UOS
2051.0	[m]	DC	UOS
2060.0	[m]	DC	UOS
2069.0	[m]	DC	UOS
2081.0	[m]	DC	UOS
2090.0	[m]	DC	UOS
2099.0	[m]	DC	UOS
2111.0	[m]	DC	UOS
2120.0	[m]	DC	UOS
2129.0	[m]	DC	UOS
2141.0	[m]	DC	UOS
2150.0	[m]	DC	UOS
2159.0	[m]	DC	UOS
2171.0	[m]	DC	UOS
2180.0	[m]	DC	UOS
2189.0	[m]	DC	UOS
2210.0	[m]	DC	UOS
2219.0	[m]	DC	UOS
2231.0	[m]	DC	UOS
2240.0	[m]	DC	UOS
2249.0	[m]	DC	UOS
2261.0	[m]	DC	UOS
2270.0	[m]	DC	UOS



2279.0	[m]	DC	UOS
2291.0	[m]	DC	UOS
2300.0	[m]	DC	UOS
2309.0	[m]	DC	UOS
2321.0	[m]	DC	UOS
2330.0	[m]	DC	UOS
2339.0	[m]	DC	UOS
2351.0	[m]	DC	UOS
2360.0	[m]	DC	UOS
2420.0	[m]	DC	UOS
2429.0	[m]	DC	UOS
2444.0	[m]	DC	UOS
2450.0	[m]	DC	UOS
2456.0	[m]	DC	UOS
2465.0	[m]	DC	UOS
2480.0	[m]	DC	UOS
2492.0	[m]	DC	UOS
2510.0	[m]	DC	UOS
2519.0	[m]	DC	UOS
2531.0	[m]	DC	UOS
2540.0	[m]	DC	UOS
2550.0	[m]	DC	UOS
2562.0	[m]	DC	UOS
2586.0	[m]	DC	UOS
2616.0	[m]	DC	UOS
2625.0	[m]	DC	UOS
2640.0	[m]	DC	UOS
2661.0	[m]	DC	UOS
2673.0	[m]	DC	UOS
2685.0	[m]	DC	UOS
2727.0	[m]	DC	UOS
2739.0	[m]	DC	UOS
2748.0	[m]	DC	UOS
2769.0	[m]	DC	UOS
2778.0	[m]	DC	UOS
2787.0	[m]	DC	UOS
2802.0	[m]	DC	UOS
2811.0	[m]	DC	UOS
2820.0	[m]	DC	UOS
2841.0	[m]	DC	UOS



2862.0	[m]	DC	UOS
2871.0	[m]	DC	UOS
2880.0	[m]	DC	UOS
2889.0	[m]	DC	UOS
2901.0	[m]	DC	UOS
2910.0	[m]	DC	UOS
2928.0	[m]	DC	UOS
2937.0	[m]	DC	UOS
2949.0	[m]	DC	UOS
2961.0	[m]	DC	UOS
2970.0	[m]	DC	UOS
2979.0	[m]	DC	UOS
2981.0	[m]	DC	UOS
3000.0	[m]	DC	UOS
3018.0	[m]	DC	UOS
3027.0	[m]	DC	UOS
3042.0	[m]	DC	UOS
3051.0	[m]	DC	UOS
3057.0	[m]	DC	UOS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
143	NORDLAND GP
435	UTSIRA FM
994	HORDALAND GP
1373	GRID FM
1648	NO FORMAL NAME
2260	ROGALAND GP
2260	BALDER FM
2325	SELE FM
2379	LISTA FM
2398	HEIMDAL FM
2831	LISTA FM
2915	VÅLE FM

Composite logs





Document name	Document format	Document size [MB]
2823	pdf	0.39

Geochemical information

Document name	Document format	Document size [MB]
2823_1	pdf	1.63
2823_2	pdf	0.86

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

Document name	Document format	Document size [MB]
2823_24_12_3_S_COMPLETION_REPORT_AND_COMPLETION_LOG	pdf	16.77

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DIP GR	2342	3000
DLL MAC ZDL GR	1124	2275
DLL MLL MAC DSL	2362	3059
FMT QDYNE GR	2381	2749
MAC GR	2225	2447
MWD	203	2976
SWC GR	2369	3034
VSP GR	2225	2447
ZDL CN GR	2362	3048

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	203.0	36	204.0	0.00	LOT
INTERM.	13 3/8	1125.0	17 1/2	1126.0	1.73	LOT
INTERM.	9 5/8	2362.0	12 1/4	2367.0	1.75	LOT
OPEN HOLE		3058.0	8 1/2	3058.0	0.00	LOT



**Drilling mud**

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1470	1.39	18.0		ANCO 2000	
1946	1.39	18.0		ANCO 2000	
2230	1.39	18.0		ANCO 2000	
2367	1.39	21.0		ANCO 2000	
2396	1.20	15.0		ANCO 2000	
2408	1.20			DUMMY	
2457	1.20			DUMMY	
2692	1.20	14.0		ANCO 2000	
2929	1.20	15.0		ANCO 2000	
2955	1.20	14.0		ANCO 2000	
3058	1.20	15.0		ANCO 2000	

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]
2823 Formation pressure (Formasjonstrykk)	pdf	0.23

