

**General information**

Wellbore name	25/10-8
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	HANZ
Discovery	25/10-8 Hanz
Well name	25/10-8
Seismic location	ESD 96-215 & SP. 323 /ESD 96-227 & SP. 5
Production licence	028 P
Drilling operator	Esso Exploration and Production Norway A/S
Drill permit	867-L
Drilling facility	DEEPSEA TRYM
Drilling days	50
Entered date	17.02.1997
Completed date	07.04.1997
Release date	07.04.1999
Publication date	15.11.2001
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL/GAS
Discovery wellbore	YES
1st level with HC, age	LATE JURASSIC
1st level with HC, formation	INTRA DRAUPNE FM SS
Kelly bushing elevation [m]	25.0
Water depth [m]	115.0
Total depth (MD) [m RKB]	2653.0
Final vertical depth (TVD) [m RKB]	2653.0
Maximum inclination [°]	2.7
Oldest penetrated age	EARLY PERMIAN
Oldest penetrated formation	ROTLIEGEND GP
Geodetic datum	ED50
NS degrees	59° 1' 48.48" N
EW degrees	2° 13' 25.35" E
NS UTM [m]	6543817.16



EW UTM [m]	455437.65
UTM zone	31
NPDID wellbore	2955

Wellbore history

General

Well 25/10-8 was drilled with "Deep Sea Trym" to test the Hanz prospect with multiple targets. The well found gas and oil in the Upper Jurassic. A sidetrack, 25/10-8 A, was drilled to test the extension of this discovery to the east.

Operations and results

Exploration well 25/10-8 was spudded with the semi-submersible installation "Deepsea Trym" 17 February 1997 and drilled to a total depth of 2653 m in the Early Permian Rotliegend Group. Water based mud was used down to 1080 m and an AncoVert oil based mud from 1080 to TD. Well 25/10-8 found the Heimdal Fm to be water wet, the Upper Jurassic sands to contain gas and oil and the Middle Jurassic and Rotliegendes sands to be water wet. A core was cut from 2080 - 2107 m in the Heimdal Formation, a second core was cut from 2518 - 2546 m in Callovian Jurassic to Triassic sediments. After testing the well was plugged back to the 13 3/8" casing on 4 April 1997 as an oil and gas discovery. Sidetrack 25/10-8 A was kicked off from 1067 m and drilled to a total depth of 3460 m (2537 m TVD RKB) in Late Jurassic. An 8 1/2" hole was drilled to core point at 3110 m using oil based mud. Three cores were cut in the Late Jurassic; 3110 to 3147 m, 3147 to 3165 m , and 3165 to 3202 m. No wireline logs were run in well 25/10-8 A, only MWD. No fluid samples were taken. All reservoir sands were found water wet and sidetrack 25/10-8 A was permanently abandoned as a dry well on 27 April 1997.

Testing

Well 25/10-8 was perforated from 2391.4 - 2398.4 m in the Upper Jurassic. The drill stem test flowed 692 Sm3/D oil of density 0.84 g/cm3

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1090.00	2652.00

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate

Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	2080.0	2107.9	[m]
2	2518.0	2546.5	[m]



Total core sample length [m]	56.4
Cores available for sampling?	YES

Core photos



2080-2085m



2085-2090m



2090-2095m



2095-2100m



2100-2105m



2105-2107m



2518-2523m



2523-2528m



2528-2533m



2533-2538m



2538-2543m



2543-2546m

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1400.0	[m]	DC	RRI
1420.0	[m]	DC	RRI
1430.0	[m]	DC	RRI
1440.0	[m]	DC	RRI
1450.0	[m]	DC	RRI
1460.0	[m]	DC	RRI
1470.0	[m]	DC	RRI
1480.0	[m]	DC	RRI
1490.0	[m]	DC	RRI
1500.0	[m]	DC	RRI



1510.0 [m]	DC	RRI
1520.0 [m]	DC	RRI
1530.0 [m]	DC	RRI
1540.0 [m]	DC	RRI
1550.0 [m]	DC	RRI
1560.0 [m]	DC	RRI
1580.0 [m]	DC	RRI
1600.0 [m]	DC	RRI
1610.0 [m]	DC	RRI
1620.0 [m]	DC	RRI
1630.0 [m]	DC	RRI
1640.0 [m]	DC	RRI
1650.0 [m]	DC	RRI
1660.0 [m]	DC	RRI
1670.0 [m]	DC	RRI
1680.0 [m]	DC	RRI
1690.0 [m]	DC	RRI
1700.0 [m]	DC	RRI
1710.0 [m]	DC	RRI
1720.0 [m]	DC	RRI
1730.0 [m]	DC	RRI
1750.0 [m]	DC	RRI
1760.0 [m]	DC	RRI
1770.0 [m]	DC	RRI
1780.0 [m]	DC	RRI
1790.0 [m]	DC	RRI
1800.0 [m]	DC	RRI
1810.0 [m]	DC	RRI
1820.0 [m]	DC	RRI
1830.0 [m]	DC	RRI
1840.0 [m]	DC	RRI
1850.0 [m]	DC	RRI
1860.0 [m]	DC	RRI
1870.0 [m]	DC	RRI
1880.0 [m]	DC	RRI
1890.0 [m]	DC	RRI
1900.0 [m]	DC	RRI
1920.0 [m]	DC	RRI
1930.0 [m]	DC	RRI
1940.0 [m]	DC	RRI



1950.0	[m]	DC	RRI
1960.0	[m]	DC	RRI
1970.0	[m]	DC	RRI
1980.0	[m]	DC	RRI
1990.0	[m]	DC	RRI
2000.0	[m]	DC	RRI
2010.0	[m]	DC	RRI
2020.0	[m]	DC	RRI
2030.0	[m]	DC	RRI
2040.0	[m]	DC	RRI
2050.0	[m]	DC	RRI
2060.0	[m]	DC	RRI
2070.0	[m]	DC	RRI
2080.0	[m]	DC	RRI
2122.0	[m]	DC	RRI
2131.0	[m]	DC	RRI
2137.0	[m]	DC	RRI
2161.0	[m]	DC	RRI
2170.0	[m]	DC	RRI
2179.0	[m]	DC	RRI
2182.0	[m]	DC	RRI
2191.0	[m]	DC	RRI
2200.0	[m]	DC	RRI
2210.0	[m]	DC	RRI
2270.0	[m]	DC	RRI
2360.0	[m]	DC	RRI

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
DST	DST1	2392.00	2398.00		30.03.1997 - 09:20	YES

Lithostratigraphy

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



682	UTSIRA FM
794	NO FORMAL NAME
846	HORDALAND GP
846	SKADE FM
1020	UNDIFFERENTIATED
1107	NO FORMAL NAME
1232	UNDIFFERENTIATED
1551	GRID FM
1613	NO FORMAL NAME
1941	ROGALAND GP
1941	BALDER FM
1987	SELE FM
2047	LISTA FM
2077	HEIMDAL FM
2122	LISTA FM
2204	VÅLE FM
2209	SHETLAND GP
2209	EKOFISK FM
2266	TOR FM
2354	VIKING GP
2354	DRAUPNE FM
2372	INTRA DRAUPNE FM SS
2450	DRAUPNE FM
2511	VESTLAND GP
2511	HUGIN FM
2536	NO GROUP DEFINED
2577	ZECHSTEIN GP
2601	ROTLIEGEND GP

Composite logs

Document name	Document format	Document size [MB]
2955	pdf	0.45

Geochemical information





Document name	Document format	Document size [MB]
2955_1	pdf	1.96
2955_2	pdf	1.36

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

Document name	Document format	Document size [MB]
2955_25_10_8_COMPLETION_REPORT	pdf	80.09

Drill stem tests (DST)

Test number	From depth MD [m]	To depth MD [m]	Choke size [mm]
1.0	2392	2398	15.9

Test number	Final shut-in pressure [MPa]	Final flow pressure [MPa]	Bottom hole pressure [MPa]	Downhole temperature [°C]
1.0	24.000		25.000	94

Test number	Oil [Sm3/day]	Gas [Sm3/day]	Oil density [g/cm3]	Gas grav. rel.air	GOR [m3/m3]
1.0	692		0.840	0.700	116

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBIL GR CHT	2345	2650
DPR - GR RES DIR	67	214
DPR - GR RES DIR	1070	2066
DPR - GR RES DIR	2235	2505
DPR - GR RES DIR	2505	2596
DPR - GR RES MDL MNP	2023	2235
DPR GRC MDL MNP	2356	2639
GR CCL	2241	2364
HDLL MAC DGR	1050	2649
MRIL ZDL CND DSL	1065	2637





RCI GR	2078	2629
RCI GR	2117	2528
RCI GR	2372	2397
SWC GR	1502	2598
VSP	460	2650

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	201.0	36	201.0	0.00	LOT
SURF.COND.	13 3/8	1067.0	17 1/2	1080.0	1.56	LOT
INTERM.	9 5/8	2249.0	12 1/4	2249.0	0.00	LOT
LINER	7	2653.0	8 1/2	2653.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
200	1.75			spud mud	
200	1.75			low solids	
1034	1.75			low solids	
1080	1.40	36.0		oil based	
1081	1.40	36.0		oil based	
1081	1.74			low solids	
1083	1.33	30.0		oil based	
1184	1.32	32.0		oil based	
1492	1.32	37.0		oil based	
1581	1.32	34.0		oil based	
1770	1.32	35.0		oil based	
1884	1.32	33.0		oil based	
2080	1.32	34.0		oil based	
2092	1.32	32.0		oil based	
2107	1.32	30.0		oil based	
2249	1.32	32.0		oil based	
2360	1.32	32.0		oil based	
2518	1.32	33.0		oil based	
2545	1.32	33.0		oil based	
2610	1.32	30.0		oil based	



2653	1.32	28.0		oil based	
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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]
2955 Formation pressure (Formasjonstrykk)	pdf	0.22

