

**General information**

Wellbore name	30/10-7
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	30/10-7
Seismic location	EL 8807- RAD 250 & KOLONNE 361
Production licence	142
Drilling operator	Elf Petroleum Norge AS
Drill permit	742-L
Drilling facility	MÆRSK JUTLANDER
Drilling days	40
Entered date	08.09.1992
Completed date	17.10.1992
Release date	17.10.1994
Publication date	27.02.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	106.0
Total depth (MD) [m RKB]	2612.0
Final vertical depth (TVD) [m RKB]	2611.1
Maximum inclination [°]	4
Bottom hole temperature [°C]	75
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	HARDRÅDE FM
Geodetic datum	ED50
NS degrees	60° 11' 28.14" N
EW degrees	2° 7' 27.27" E
NS UTM [m]	6673177.94
EW UTM [m]	451432.82
UTM zone	31
NPDID wellbore	2015

**Wellbore history****General**

The exploration well 30/10-7 was dedicated to explore the hydrocarbon potential of the Paleocene Hermod Formation.

Well 30/10-7 is located in the central-northern part of block 30/10, and the Paleocene structure forms a moundy/domal feature, with minor normal faults to the east and west of the well location. TD was planned at 2613 m in the Late Cretaceous Hardråde Formation.

Operations and results

The well 30/10-7 was spudded 8 September by the semi-submersible installation Maersk Jutlander and drilled to TD at 2612 m in the Late Cretaceous Hardråde Formation. The well was drilled with seawater and hi-vis pills down to 1270 m and with Gyp / Polymer mud from 1270 m to TD. The well encountered sands with very good reservoir characteristics both in the Hermod Formation and in the Heimdal Formation, but the reservoirs were water bearing. In the entire well bore no shows of any kind was observed. Two cores were cut from 2207 m to 2227 m and recovered sands and mudstone from the Hermod and Sele Formations. No fluid samples were taken.

The well was permanently abandoned on 17 October 1992 as a dry hole.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
270.00	2612.00

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	2207.0	2211.0	[m]
2	2211.0	2225.4	[m]

Total core sample length [m]	18.4
Cores available for sampling?	YES



Core photos



2207-2211m



2211-2215m



2215-2219m



2219-2223m



2223-2225m

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
129	NORDLAND GP
384	UTSIRA FM
1075	HORDALAND GP
2125	ROGALAND GP
2125	BALDER FM
2127	INTRA BALDER FM SS
2129	BALDER FM
2166	SELE FM
2183	HERMOD FM
2186	SELE FM
2191	HERMOD FM
2193	SELE FM
2202	HERMOD FM
2212	SELE FM
2218	HERMOD FM
2232	SELE FM
2236	HERMOD FM
2244	LISTA FM
2275	HEIMDAL FM
2330	LISTA FM
2338	HEIMDAL FM
2365	LISTA FM
2371	HEIMDAL FM
2374	LISTA FM
2386	HEIMDAL FM
2392	LISTA FM



2398	VÅLE FM
2430	TY FM
2436	VÅLE FM
2565	TY FM
2574	VÅLE FM
2580	SHETLAND GP
2580	HARDRÅDE FM

Composite logs

Document name	Document format	Document size [MB]
2015	pdf	0.33

Documents - older Norwegian Offshore Directorate WDSS reports and other related documents

Document name	Document format	Document size [MB]
2015_01_WDSS_General_Information	pdf	0.38
2015_02_WDSS_completion_log	pdf	0.16

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

Document name	Document format	Document size [MB]
2015_30_10_7_COMPLETION_REPORT_AND_LOG	pdf	32.15

Logs

Log type	Log top depth [m]	Log bottom depth [m]
AMS NGS CNL LDL	2170	2594
CBL VDL GR CCL	1100	2171
CST	2187	2567
CST GR	1985	2135
DIL BHC MSFL GR AMS	2170	2595
GR AMS SHDT	1252	2136
GR SP SFL DIL LDL CAL	1252	2140





MWD - RGDM	300	1270
MWD - RGDM	1270	2182
MWD - RGDM	2182	2612
MWD - RGDM DR GR DIR	129	300
RPQS RFT GR AMS	2185	2572
SHDT GR AMS	2170	2594
VSP	1000	2580

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	202.0	0.00	LOT
INTERM.	13 3/8	1254.0	17 1/2	1256.0	1.46	LOT
INTERM.	9 5/8	2171.7	12 1/4	2173.0	1.58	LOT
OPEN HOLE		2612.0	8 1/2	2612.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
160	1.02			WATER BASED	
300	1.02			WATER BASED	
433	1.05	22.0		WATER BASED	
505	1.02			WATER BASED	
540	1.05	14.0		WATER BASED	
658	1.05			WATER BASED	
800	1.02			WATER BASED	
809	1.05	22.0		WATER BASED	
880	1.07	14.0		WATER BASED	
1180	1.08	11.0		WATER BASED	
1250	1.10	12.0		WATER BASED	
1270	1.10	11.0		WATER BASED	
1570	1.25	21.0		WATER BASED	
1761	1.31	23.0		WATER BASED	
1868	1.32	17.0		WATER BASED	
1950	1.31	19.0		WATER BASED	
2143	1.31	19.0		WATER BASED	
2182	1.32	17.0		WATER BASED	



2199	1.14	16.0		WATER BASED	
2211	1.14	15.0		WATER BASED	
2235	1.14	16.0		WATER BASED	
2612	1.15	18.0		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]
2015 Formation pressure (Formasjonstrykk)	pdf	0.21

