

**General information**

Wellbore name	2/11-7
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	2/11-7
Seismic location	NH 8201 - 412 SP. 194
Production licence	068
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	513-L
Drilling facility	TREASURE SCOUT
Drilling days	144
Entered date	16.04.1986
Completed date	06.09.1986
Release date	06.09.1988
Publication date	27.02.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	72.0
Total depth (MD) [m RKB]	5042.0
Final vertical depth (TVD) [m RKB]	5039.0
Maximum inclination [°]	2.9
Bottom hole temperature [°C]	178
Oldest penetrated age	LATE JURASSIC
Oldest penetrated formation	HAUGESUND FM
Geodetic datum	ED50
NS degrees	56° 14' 6.09" N
EW degrees	3° 37' 38.84" E
NS UTM [m]	6232552.87
EW UTM [m]	538896.83
UTM zone	31
NPDID wellbore	902



Wellbore history

General

Well 2/11-7 was designed to test a Jurassic reservoir half way between the crest and the mapped closing contour of a fault controlled structure up dip from the Danish well Gert-1 in the same structure. The primary objective was the middle Jurassic sands, expected to come in at 4696 m. Seismic anomalies at 320, 350, and 445 m respectively. Prognosed TD was 5025 m.

Operations and results

Wildcat well 2/11-7 was spudded with Wi1h. Wi1helmsen semi-submersible installation Treasure Scout on 16 April 1986 and drilled to TD at 5042 m in Late Jurassic shales of the Haugesund Formation. The well was flow checked at 318 m and 445 m, without any indications of gas. The well was drilled with seawater and hi-vis pills down to 1016 m, with KCl mud from 1016 m to 3737 m, and with Lignosulfonate mud from 3737 m to TD. Due to high gas readings and subsequent problems with increased mud weight and lost circulation up to 14% oil was added to the mud at 3799 m. This mud was subsequently circulated out and displaced with new mud, but a level of 1% to 8% oil was recorded in the mud from 3799 m to TD. Due to high formation pressure and safety problems, drilling was terminated in Late Jurassic shales before having reached the target Middle Jurassic sand.

Shows were reported from lowermost Chalk Group, limestones of the Cromer Knoll Group, and from Upper Jurassic Dolomite and sandstone stringers. No conventional cores were cut. Thirty sidewall cores were attempted from 3801,5 m to 3756 m whereof 10 were recovered. No fluid samples were taken. The well was permanently abandoned as a dry well with shows on 6 September 1986.

Testing

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1020.00	5042.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
95	NORDLAND GP
1560	HORDALAND GP
2945	ROGALAND GP
2945	BALDER FM



2959	SELE FM
3012	LISTA FM
3056	MAUREEN FM
3075	SHETLAND GP
3075	EKOFISK FM
3132	TOR FM
3265	HOD FM
3591	HIDRA FM
3620	CROMER KNOLL GP
3620	RØDBY FM
3658	ÅSGARD FM
3773	TYNE GP
3773	MANDAL FM
3814	FARSUND FM
4720	HAUGESUND FM

Composite logs

Document name	Document format	Document size [MB]
902	pdf	0.72

Geochemical information

Document name	Document format	Document size [MB]
902_1	pdf	4.01
902_2	pdf	2.62

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

Document name	Document format	Document size [MB]
902_01_WDSS_General_Information	pdf	0.24
902_02_WDSS_completion_log	pdf	0.32

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





Document name	Document format	Document size [MB]
902 2 11 7 COMPLETION REPORT AND LOG	pdf	16.80

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL	3139	3959
CBL VDL	3388	3735
CBL VDL	3793	4807
CST GR	2756	3965
DIL LSS GR SP	1001	2718
DIL LSS GR SP	3959	4658
DIL MSFL LSS GR SP	4578	5038
DLL MSFL LSS GR SP	2696	3734
DLL MSFL LSS GR SP	3735	3961
LDL CNL GR CAL	3500	3965
LDL CNL GR CAL	3959	4736
LDL GR CAL	1001	2718
MWD	181	1010
RFT	3768	3957
VSP	700	4945

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	179.0	36	179.0	0.00	LOT
SURF.COND.	20	1001.0	26	1016.0	1.88	LOT
INTERM.	13 3/8	2695.0	17 1/2	2715.0	1.99	LOT
INTERM.	9 5/8	3737.0	12 1/4	3811.0	2.18	LOT
LINER	7	3960.0	8 1/2	3965.0	0.00	LOT
LINER	5	5042.0	6	5042.0	0.00	LOT

Drilling mud





Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
104	1.03			WATER BASED	08.09.1986
152	1.03			WATER BASED	04.09.1986
152	1.03			WATER BASED	05.09.1986
179	1.03			WATER	16.04.1986
400	1.10			WATER	17.04.1986
966	1.10			WATER	20.04.1986
1016	1.10			WATER	20.04.1986
1016	0.00			WATER	21.04.1986
1050	1.50			WATER	22.04.1986
1346	1.50			WATER	23.04.1986
1526	1.50			WATER	24.04.1986
1753	1.55	31.0	14.0	WATER	27.04.1986
2034	1.60	36.0	15.0	WATER	27.04.1986
2205	1.60	37.0	14.0	WATER	27.04.1986
2505	1.60	38.0	15.0	WATER	28.04.1986
2588	1.60	30.0	23.0	WATER	29.04.1986
2700	1.60	21.0	13.0	WATER	05.05.1986
2715	1.60	31.0	12.0	WATER	01.05.1986
2715	0.00	30.0	13.0	WATER	01.05.1986
2715	0.00	22.0	10.0	WATER	04.05.1986
2715	0.00	22.0	10.0	WATER	05.05.1986
2715	0.00	21.0	13.0	WATER	05.05.1986
2800	1.60	17.0	9.0	WATER	06.05.1986
3000	1.60	28.0	11.0	WATER	08.05.1986
3086	1.60	26.0	12.0	WATER	08.05.1986
3126	1.60	30.0	9.0	WATER	11.05.1986
3223	1.60	25.0	9.0	WATER	11.05.1986
3308	1.60	24.0	9.0	WATER	11.05.1986
3390	1.95	31.0	7.0	WATER BASED	30.06.1986
3462	1.60	23.0	10.0	WATER	12.05.1986
3569	1.60	24.0	11.0	WATER	13.05.1986
3600	1.91	31.0	7.0	WATER BASED	08.06.1986
3601	1.60	23.0	12.0	WATER	14.05.1986
3640	1.91	38.0	10.0	WATER BASED	04.06.1986
3654	1.60	24.0	11.0	WATER	15.05.1986
3694	1.65	31.0	14.0	WATER	19.05.1986
3728	1.65	29.0	12.0	WATER	19.05.1986



3735	1.95	20.0	4.0	WATER BASED	02.09.1986
3735	1.95	21.0	3.0	WATER BASED	02.09.1986
3737	1.93	33.0	5.0	WATER BASED	22.06.1986
3737	1.93	32.0	6.0	WATER BASED	26.06.1986
3737	1.93	35.0	6.0	WATER BASED	10.06.1986
3737	1.93	32.0	7.0	WATER BASED	11.06.1986
3737	1.93	31.0	6.0	WATER BASED	12.06.1986
3737	1.93	33.0	5.0	WATER BASED	15.06.1986
3737	1.93	32.0	7.0	WATER BASED	15.06.1986
3737	1.93	32.0	8.0	WATER BASED	15.06.1986
3737	1.93	32.0	5.0	WATER BASED	16.06.1986
3737	1.93	31.0	5.0	WATER BASED	17.06.1986
3737	1.93	33.0	5.0	WATER BASED	18.06.1986
3737	1.93	32.0	5.0	WATER BASED	19.06.1986
3737	1.93	30.0	7.0	WATER BASED	22.06.1986
3737	1.93	31.0	6.0	WATER BASED	22.06.1986
3737	1.93	30.0	6.0	WATER BASED	23.06.1986
3737	1.93	30.0	6.0	WATER BASED	24.06.1986
3737	1.93	29.0	6.0	WATER BASED	25.06.1986
3737	1.65	28.0	11.0	WATER	19.05.1986
3741	1.90	35.0	6.0	WATER BASED	01.06.1986
3741	1.90	38.0	5.0	WATER BASED	01.06.1986
3746	1.91	36.0	7.0	WATER BASED	02.06.1986
3750	1.92	35.0	8.0	WATER BASED	08.06.1986
3750	1.93	35.0	8.0	WATER BASED	09.06.1986
3750	1.93	39.0	9.0	WATER BASED	08.06.1986
3766	1.91	38.0	11.0	WATER BASED	05.06.1986
3766	1.65	32.0	13.0	WATER	19.05.1986
3799	1.78	36.0	12.0	WATER BASED	20.05.1986
3807	1.90	38.0	15.0	WATER BASED	21.05.1986
3811	1.88	36.0	12.0	WATER BASED	24.05.1986
3811	1.88	37.0	11.0	WATER BASED	26.05.1986
3811	1.90	38.0	11.0	WATER BASED	26.05.1986
3811	1.91	40.0	5.0	WATER BASED	27.05.1986
3811	1.91	39.0	5.0	WATER BASED	27.05.1986
3811	1.91	34.0	6.0	WATER BASED	29.05.1986
3811	1.90	37.0	8.0	WATER BASED	01.06.1986
3811	1.91	41.0	11.0	WATER BASED	03.06.1986
3811	1.88	42.0	7.0	WATER BASED	26.05.1986
3811	1.91	36.0	6.0	WATER BASED	28.05.1986



3816	1.95	32.0	6.0	WATER BASED	30.06.1986
3848	2.02	44.0	9.0	WATER BASED	30.06.1986
3904	2.05	48.0	9.0	WATER BASED	30.06.1986
3956	2.07	46.0	8.0	WATER BASED	01.07.1986
3956	2.10	38.0	7.0	WATER BASED	03.07.1986
3965	2.10	36.0	7.0	WATER BASED	07.07.1986
3965	2.10	28.0	6.0	WATER BASED	07.07.1986
3965	2.10	24.0	6.0	WATER BASED	07.07.1986
3965	2.10	25.0	6.0	WATER BASED	08.07.1986
3965	2.10	24.0	7.0	WATER BASED	09.07.1986
3965	2.10	25.0	6.0	WATER BASED	10.07.1986
3965	2.10	24.0	6.0	WATER BASED	11.07.1986
3965	2.10	30.0	6.0	WATER BASED	14.07.1986
3965	2.10	25.0	6.0	WATER BASED	14.07.1986
3965	2.10	24.0	6.0	WATER BASED	14.07.1986
3965	2.10	26.0	6.0	WATER BASED	15.07.1986
3965	2.10	39.0	7.0	WATER BASED	02.07.1986
3965	2.10	21.0	6.0	WATER BASED	16.07.1986
3968	2.14	22.0	4.0	WATER BASED	17.07.1986
3968	2.14	23.0	4.0	WATER BASED	18.07.1986
3980	2.12	21.0	3.0	WATER BASED	21.07.1986
3983	2.12	21.0	3.0	WATER BASED	21.07.1986
4006	2.09	20.0	3.0	WATER BASED	21.07.1986
4062	2.09	25.0	5.0	WATER BASED	23.07.1986
4088	2.09	41.0	7.0	WATER BASED	24.07.1986
4088	2.09	40.0	8.0	WATER BASED	25.07.1986
4088	2.09	30.0	5.0	WATER BASED	28.07.1986
4088	2.09	34.0	7.0	WATER BASED	23.07.1986
4088	2.09	36.0	7.0	WATER BASED	28.07.1986
4088	2.09	34.0	5.0	WATER BASED	28.07.1986
4088	2.09	30.0	5.0	WATER BASED	29.07.1986
4088	2.09	26.0	5.0	WATER BASED	30.07.1986
4091	2.09	29.0	3.0	WATER BASED	31.07.1986
4133	2.09	26.0	3.0	WATER BASED	01.08.1986
4234	2.09	25.0	4.0	WATER BASED	04.08.1986
4304	2.09	27.0	4.0	WATER BASED	04.08.1986
4397	2.10	26.0	4.0	WATER BASED	04.08.1986
4484	2.12	29.0	4.0	WATER BASED	05.08.1986
4567	2.12	29.0	4.0	WATER BASED	06.08.1986
4623	2.12	29.0	4.0	WATER BASED	07.08.1986



4647	2.12	29.0	4.0	WATER BASED	08.08.1986
4660	2.12	29.0	4.0	WATER BASED	10.08.1986
4660	2.10	29.0	5.0	WATER BASED	10.08.1986
4744	2.10	28.0	5.0	WATER BASED	10.08.1986
4828	2.10	29.0	5.0	WATER BASED	11.08.1986
4897	2.11	30.0	5.0	WATER BASED	13.08.1986
4951	2.12	34.0	5.0	WATER BASED	13.08.1986
5011	2.12	29.0	4.0	WATER BASED	14.08.1986
5042	2.13	31.0	5.0	WATER BASED	17.08.1986
5042	2.13	26.0	4.0	WATER BASED	17.08.1986
5042	2.13	24.0	4.0	WATER BASED	17.08.1986
5042	2.13	27.0	5.0	WATER BASED	18.08.1986
5042	2.13	27.0	4.0	WATER BASED	20.08.1986
5042	2.13	29.0	5.0	WATER BASED	21.08.1986
5042	2.13	27.0	4.0	WATER BASED	24.08.1986
5042	2.13	33.0	6.0	WATER BASED	24.08.1986
5042	2.14	28.0	7.0	WATER BASED	25.08.1986
5042	2.14	26.0	6.0	WATER BASED	26.08.1986
5042	2.14	29.0	6.0	WATER BASED	28.08.1986
5042	2.14	24.0	5.0	WATER BASED	29.08.1986
5042	2.14	26.0	5.0	WATER BASED	02.09.1986
5042	2.13	26.0	5.0	WATER BASED	19.08.1986
5042	2.13	27.0	5.0	WATER BASED	24.08.1986

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]
902 Formation pressure (Formasjonstrykk)	pdf	0.22

