

**General information**

Wellbore name	30/6-20
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	30/6-20
Seismic location	NH 82 - 290 CENTER CELL 325
Production licence	053
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	506-L
Drilling facility	TREASURE SCOUT
Drilling days	35
Entered date	10.03.1986
Completed date	13.04.1986
Release date	13.04.1988
Publication date	03.10.2013
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	23.0
Water depth [m]	111.0
Total depth (MD) [m RKB]	3046.0
Final vertical depth (TVD) [m RKB]	3045.0
Maximum inclination [°]	5.5
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	60° 37' 20.52" N
EW degrees	2° 42' 18.52" E
NS UTM [m]	6720920.71
EW UTM [m]	483862.75
UTM zone	31
NPDID wellbore	892

**Wellbore history****General**

Well 30/6-20 was drilled on the Lambda structure west of the Oseberg Field in the North Sea. Lambda, Alpha North, Theta and Theta South are all rotated fault blocks with the Jurassic sequence dipping towards the east-northwest. The primary objective was to prove hydrocarbons in the Statfjord Group up-dip of well 30/6-16 Theta. The Statfjord Group is truncated by the base Cretaceous Unconformity to the west, and by faults to the south and east. Planned TD was ca 40 m into the Triassic Hegre Group, at a depth of ca 3025 m RKB.

Operations and results

Wildcat well 30/6-20 was spudded with the semi-submersible installation Treasure Scout on 10 March 1986 and drilled to TD at 3046 m in the Early Jurassic Statfjord Group. A pilot hole was drilled from 222 m to 620 m due to a shallow gas warning at 363 m. A thin sand with shallow gas was penetrated at this depth without creating any problem. Drilling proceeded without significant problems, but was delayed ca 8 days by bad weather. The well was drilled with sea water and viscous pills down to 620 m and with KCl/polymer mud from 620 m to TD.

The Cook Formation came in at 2747 m, and Statfjord Group at 2937 m. The seismic reflector that was interpreted as top Statfjord Group proved to be top Cook Formation. This implies that the fault bounding to the east has a larger throw than first assumed. Both Cook Formation and Statfjord Group were found water bearing, but with some oil shows in the Cook Formation. RFT data indicated pressure communication between Cook and Statfjord. The first oil show in the well was described on claystone at 1990 m in the Balder Formation. Oil shows in thin limestones and claystones were seen also in the Shetland Group.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 13 April 1986 as a well with shows.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
630.00	3045.00

Cuttings available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
2267.0	[m]	SWC	R.R.I
2370.0	[m]	SWC	R.R.I



2435.0	[m]	SWC	R.R.I
2443.0	[m]	SWC	R.R.I
2645.0	[m]	SWC	R.R.I
2673.0	[m]	SWC	R.R.I
2687.0	[m]	SWC	R.R.I
2695.0	[m]	SWC	R.R.I
2715.0	[m]	SWC	R.R.I
2740.0	[m]	SWC	R.R.I
2932.0	[m]	SWC	R.R.I
2977.0	[m]	SWC	R.R.I
3037.0	[m]	SWC	R.R.I

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
134	NORDLAND GP
705	UTSIRA FM
922	HORDALAND GP
1984	ROGALAND GP
1984	BALDER FM
2068	SELE FM
2150	LISTA FM
2267	VÅLE FM
2284	SHETLAND GP
2665	BRENT GP
2673	DUNLIN GP
2673	DRAKE FM
2747	COOK FM
2792	AMUNDSEN FM
2937	STATFJORD GP

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

Document name	Document format	Document size [MB]
892_01_WDSS_General_Information	pdf	0.21
892_02_WDSS_completion_log	pdf	0.25



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

Document name	Document format	Document size [MB]
892_30_6_20_Completion_log	pdf	1.86
892_30_6_20_Final_Well_report	pdf	2.79

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL	300	770
CST	2267	3037
DIL LSS GR	605	1597
DIL LSS GR	1611	3045
DLWD	221	3044
LDL CAL GR	605	1597
LDL CNL CAL GR	1611	3038
RFT	2765	3022
SHDT	2220	3036
VSP	928	3040

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	222.0	36	500.0	0.00	LOT
SURF.COND.	20	603.0	26	623.0	0.00	LOT
INTERM.	13 3/8	1611.0	17 1/2	2266.0	2.25	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
139	1.03			WATER BASED	14.04.1986
193	1.03			WATER BASED	10.03.1986
222	1.03			WATER BASED	11.03.1986
500	1.03			WATER BASED	12.03.1986
620	1.03			WATER BASED	17.03.1986
620	1.15	19.0	13.0	WATER BASED	21.03.1986





620	1.03			WATER BASED	13.03.1986
620	1.03			WATER BASED	16.03.1986
620	1.15			WATER BASED	18.03.1986
623	1.15	18.0	13.0	WATER BASED	21.03.1986
623	1.15	18.0	13.0	WATER BASED	24.03.1986
623	1.15	22.0	16.0	WATER BASED	24.03.1986
623	1.15	18.0	14.0	WATER BASED	24.03.1986
1160	1.15	19.0	15.0	WATER BASED	26.03.1986
1396	1.20	20.0	15.0	WATER BASED	01.04.1986
1533	1.39			WATER BASED	14.04.1986
1606	1.20	20.0	17.0	WATER BASED	25.03.1986
1606	1.23	20.0	23.0	WATER BASED	25.03.1986
1629	1.25	18.0	21.0	WATER BASED	25.03.1986
1629	1.25	18.0	19.0	WATER BASED	25.03.1986
1790	1.38	22.0	15.0	WATER BASED	25.03.1986
2008	1.38	23.0	15.0	WATER BASED	25.03.1986
2266	1.38	23.0	10.0	WATER BASED	02.04.1986
2336	1.38	24.0	10.0	WATER BASED	03.04.1986
2493	1.39	31.0	15.0	WATER BASED	04.04.1986
2594	1.38	21.0	11.0	WATER BASED	07.04.1986
2702	1.38	28.0	11.0	WATER BASED	07.04.1986
2837	1.39	28.0	10.0	WATER BASED	07.04.1986
2958	1.39	30.0	11.0	WATER BASED	08.04.1986
3046	1.39	30.0	11.0	WATER BASED	10.04.1986
3046	1.39	26.0	10.0	WATER BASED	11.04.1986
3046	1.39	27.0	11.0	WATER BASED	10.04.1986

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]
892 Formation pressure (Formasjonstrykk)	pdf	0.23

