

**General information**

Wellbore name	30/6-5
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Field	OSEBERG ØST
Discovery	30/6-5 Oseberg Øst
Well name	30/6-5
Seismic location	LINE 703 - 142 SP:427.
Production licence	053
Drilling operator	Den norske stats oljeselskap a.s
Drill permit	290-L
Drilling facility	DEEPSEA SAGA
Drilling days	66
Entered date	11.06.1981
Completed date	15.08.1981
Release date	15.08.1983
Publication date	29.03.2014
Purpose - planned	WILDCAT
Reentry	NO
Content	OIL
Discovery wellbore	YES
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	BRENT GP
2nd level with HC, age	EARLY JURASSIC
2nd level with HC, formation	DRAKE FM
Kelly bushing elevation [m]	25.0
Water depth [m]	156.0
Total depth (MD) [m RKB]	3550.0
Final vertical depth (TVD) [m RKB]	3550.0
Maximum inclination [°]	1
Bottom hole temperature [°C]	126
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	LUNDE FM
Geodetic datum	ED50
NS degrees	60° 41' 20.6" N
EW degrees	2° 57' 11.09" E



NS UTM [m]	6728313.49
EW UTM [m]	497437.43
UTM zone	31
NPDID wellbore	118

Wellbore history

General

Well 30/6-5 was drilled on the Brage Horst east of the Gullfaks fault block in the North Sea. The main purpose was to test the hydrocarbon potential in Middle Jurassic sandstone.

Operations and results

Wildcat well 30/6-5 was spudded with the semi-submersible installation Deepsea Saga on 11 June 1981 and drilled to TD at 3550 m in the Triassic Lunde Formation. No significant problem was encountered in the operations. The well was drilled with spud mud down to 951 m, with gypsum/polymer mud from 951 m to 1801 m, and with gel/lignosulphonate mud from 1801 m to TD.

The Brent Group, Tarbert Formation was encountered at 2824 m. From wire line logs and petrophysical analysis oil was found from 2841 m down to 2899 m. Pressure measurements indicated oil/water contact at 2907 m. Shows on cores continued down to 2933 m. The Etive Formation represented the main part of the net pay.

Eight cores were cut in the well. Cores 1 and 2 were cut in the interval 2843.5 - 2854.7 m. Cores 3 to 8 were cut in the interval 2871.5 - 2949.8 m. RFT oil samples were taken at 2847.5 m, 2867.1 m (film of oil), 2871.2 m (traces of oil), 2874.5 m, 2881 m, 2889 m, 2923 m (film of oil). The samples proved H₂S contents in the range 30 - 50 ppm.

The well was permanently abandoned on 15 August 1981 as an oil discovery.

Testing

The rig lacked qualified equipment and personnel trained for drill stem testing with the levels of H₂S proven by RFT sampling. Testing was therefore abandoned.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
250.00	3547.00

Cuttings available for sampling?	NO
----------------------------------	----

Cores at the Norwegian Offshore Directorate



Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	2843.5	2848.2	[m]
2	2848.3	2853.1	[m]
3	2871.5	2874.4	[m]
4	2874.5	2893.8	[m]
5	2893.7	2909.1	[m]
6	2909.0	2919.6	[m]
7	2919.5	2938.9	[m]
8	2938.7	2949.5	[m]

Total core sample length [m]	87.7
Cores available for sampling?	YES

Core photos



2843-2846m



2846-2848m



2851-2853m



2871-2874m



2874-2877m



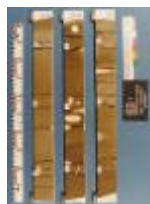
2877-2880m



2880-2883m



2883-2886m



2886-2889m



2889-2892m



2892-2893m



2893-2896m



2896-2899m



2899-2902m



2902-2905m



2905-2908m



2908-2909m



2909-2912m



2912-2915m



2915-2918m



2918-2919m



2919-2922m



2922-2925m



2925-2928m



2928-2931m



2931-2934m



2934-2937m



2937-2938m



2938-2941m



2941-2944m



2944-2947m



2947-2949m

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
181	NORDLAND GP
726	UTSIRA FM
879	HORDALAND GP
1908	ROGALAND GP
1908	BALDER FM
2023	SELE FM
2123	LISTA FM
2203	SHETLAND GP
2408	CROMER KNOLL GP



2452	VIKING GP
2452	DRAUPNE FM
2593	HEATHER FM
2841	BRENT GP
2841	NESS FM
2865	ETIVE FM
2958	DUNLIN GP
2958	DRAKE FM
3071	COOK FM
3123	AMUNDSEN FM
3223	STATFJORD GP

Geochemical information

Document name	Document format	Document size [MB]
118 1	pdf	1.31
118 2	pdf	0.22
118 3	pdf	1.04
118 4	pdf	0.10
118 5	pdf	7.32
118 6	pdf	5.33
118 7	pdf	1.49

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

Document name	Document format	Document size [MB]
118 01 WDSS General Information	pdf	0.11
118 02 WDSS completion log	pdf	0.28

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

Document name	Document format	Document size [MB]
118 30 6 5 COMPLETION REPORT AND LOG	pdf	17.39



**Logs**

Log type	Log top depth [m]	Log bottom depth [m]
CBL CCL VDL GR	555	1798
CBL CCL VDL GR	555	1798
CBL CCL VDL GR	1600	3550
DLL MSFL GR	2789	3168
FDC CNL GR CAL	950	3550
HDT	1800	3550
ISF SON GR SP	242	3550

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	242.0	36	242.0	0.00	LOT
SURF.COND.	20	950.0	26	955.0	1.74	LOT
INTERM.	13 3/8	1801.0	17 1/2	1815.0	1.77	LOT
INTERM.	9 5/8	2789.0	12 1/4	2805.0	1.65	LOT
LINER	7	3548.0	8 1/2	3550.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
250	1.08	53.0		waterbased	
580	1.08	43.0		waterbased	
750	1.10	43.0		waterbased	
1125	1.09	50.0		waterbased	
1355	1.12	48.0		waterbased	
2155	1.37	59.0		waterbased	
2555	1.43	50.0		waterbased	
3025	1.25	50.0		waterbased	
3325	1.27	51.0		waterbased	

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]
118 Formation pressure (Formasjonstrykk)	pdf	0.22

