

**General information**

Wellbore name	30/5-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	30/5-1
Seismic location	
Production licence	034
Drilling operator	A/S Norske Shell
Drill permit	70-L
Drilling facility	TRANSWORLD RIG61
Drilling days	74
Entered date	17.05.1972
Completed date	29.07.1972
Release date	29.07.1974
Publication date	01.08.2010
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	106.0
Total depth (MD) [m RKB]	4124.0
Maximum inclination [°]	5
Bottom hole temperature [°C]	109
Oldest penetrated age	EARLY CRETACEOUS
Oldest penetrated formation	ÅSGARD FM
Geodetic datum	ED50
NS degrees	60° 31' 49.6" N
EW degrees	2° 22' 11.7" E
NS UTM [m]	6710811.57
EW UTM [m]	465418.16
UTM zone	31
NPDID wellbore	379

**Wellbore history****General**

Well is located centrally in the northern Viking Graben of the North Sea. It was the most northerly well drilled in Norwegian waters of the North Sea when it was drilled. Primary objectives of 30/5-1 were Paleocene sands, thought to

be productive in the Frigg Field and the recently discovered Heimdal Field, and potential sand or carbonate reservoirs in

the Early Cretaceous. The Late Cretaceous Chalk found so prospective in the south was considered to be a secondary objective in view of the possible northward shaling out of that formation.

Operations and results

Wildcat well 30/5-1 was spudded with the semi-submersible installation Transworld 61 on 17 May 1972 and drilled to TD at 4124 m in the Early Cretaceous Åsgard Formation. The well was drilled with seawater and Lignosulphonate with additions of a total of 329 bbls of diesel oil.

In the main Paleocene objective a few thin water-bearing sand-streaks were present, and in the secondary Upper Cretaceous objective, the Chalk Formation, as expected, had virtually shaled out. Between a depth of 3475 and 3604 m four streaks of limestone occur, ranging in thickness from 1 - 3 m. The mud became gas cut while drilling the interval. From petrophysical logs the limestone streaks appeared to be gas bearing with porosities from 9 to 20% and water saturations in the range 20 - 60%. They were the only intervals recognisable from logs containing hydrocarbons. The total thickness of these limestone stringers was insufficient to justify a test. No

One core was taken at TD from 4114.8 to 4123.9 m with a recovery of 5.6 m (62. 5%). No wire line fluid samples were taken.

The well was permanently abandoned on 29 July 1972 as a well with gas shows.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
216.41	4114.80

Cuttings available for sampling?	NO
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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	4114.8	4116.8	[m]



Total core sample length [m]	2.0
Cores available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
131	NORDLAND GP
570	UTSIRA FM
796	NO FORMAL NAME
835	HORDALAND GP
835	SKADE FM
979	NO FORMAL NAME
1140	SKADE FM
1259	NO FORMAL NAME
1704	GRID FM
1763	NO FORMAL NAME
1987	ROGALAND GP
1987	BALDER FM
2045	SELE FM
2088	LISTA FM
2283	VÅLE FM
2304	SHETLAND GP
2304	JORSALFARE FM
2649	KYRRE FM
3178	TRYGGVASON FM
3277	BLODØKS FM
3323	SVARTE FM
3576	CROMER KNOLL GP
3576	RØDBY FM
3889	SOLA FM
4094	ÅSGARD FM

Geochemical information

Document name	Document format	Document size [MB]
379_1	pdf	0.11
379_2	pdf	2.36
379_3	pdf	1.18





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

Document name	Document format	Document size [MB]
379_01_WDSS_General_Information	pdf	0.25

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

Document name	Document format	Document size [MB]
379_30_5_1_Completion_log	pdf	2.03
379_30_5_1_Completion_report	pdf	14.94

Logs

Log type	Log top depth [m]	Log bottom depth [m]
BS GRC	398	1072
BS GRC	1073	2365
BS GRC	2363	3557
BS GRC	3596	4114
CBL	1082	2340
DIL	401	1071
DIL	1073	2367
DIL	2363	3637
DIL	3637	3933
FDC CNL	3444	4117
FDC GR	1073	2368
HDT	1073	2367
HDT	2368	4117
LLS	3444	4115
MCT	3560	3560
MLL ML	3444	4117
VELOCITY	0	4120

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	210.0	36	216.0	0.00	LOT
SURF.COND.	20	397.0	26	408.0	0.00	LOT
INTERM.	13 3/8	1070.0	17 1/2	1076.0	0.00	LOT
INTERM.	9 5/8	2361.0	12 1/4	2368.0	0.00	LOT
OPEN HOLE		4124.0	8 1/2	4124.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
371	1.11			waterbased	
866	1.19			waterbased	
1076	1.19			waterbased	
1364	1.07			waterbased	
2368	1.17			waterbased	
2887	1.25			waterbased	
4124	1.13			waterbased	