

**General information**

Wellbore name	6205/3-1
Type	EXPLORATION
Purpose	WILDCAT
Status	SUSPENDED
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6205/3-1
Seismic location	NM1 - 809 & SP 820
Production licence	154
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	623-L
Drilling facility	MÆRSK JUTLANDER
Drilling days	111
Entered date	24.10.1989
Completed date	11.02.1990
Release date	11.02.1992
Publication date	29.05.2002
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	159.0
Total depth (MD) [m RKB]	4300.0
Final vertical depth (TVD) [m RKB]	4291.6
Maximum inclination [°]	8.5
Bottom hole temperature [°C]	107
Oldest penetrated age	EARLY CRETACEOUS
Oldest penetrated formation	ÅSGARD FM
Geodetic datum	ED50
NS degrees	62° 57' 8.62" N
EW degrees	5° 56' 38.11" E
NS UTM [m]	6983872.90
EW UTM [m]	649328.84
UTM zone	31
NPDID wellbore	1479



Wellbore history

General

Well 6205/3-1 is situated in the northern part of the block on the B-prospect, which is an easterly tilted fault block bounded to the west by a northeast-southwest trending normal fault. The reservoir sequences are truncated at the crest of the fault block. The license area is bounded to the east and south by the Møre-Trøndelag Fault Zone, and to the north by the Jan Mayen fracture zone and the Frøya High. The Gossa High is situated in the western part of the license area at the western boundary of the Møre Basin. Well 6205/3-1 was the first obligation well to be drilled in license 154, and the first to be drilled in the Møre area. No direct correlation to the Haltenbanken or northern North Sea was possible. While the commitment was to drill to 4500 m or to Triassic sediments whichever came first, total depth was planned at 5100 m in Jurassic rocks of the Båt Group. The primary objectives for the well 6205/3-1 were to prove oil in the Jurassic sandstones and to verify the structural and sedimentological inte

Operations and results

Well 6205/3-1 was spudded on 24 October 1989 with the semi-submersible rig "Mærsk Jutlander" and re-spudded on 29 October after high angle had developed in the surface hole. A kickoff was carried out at 2800 m using bent sub and motor from 2800 to 2886 m in two bit runs due to problems in receiving tool face from MWD. Apart from some experiences with tight hole, drilling went on without any significant problems. The well was suspended at 4300 m in the Lower Cretaceous Åsgard Formation on 11 February 1990 because of environmental restrictions, which prohibited drilling through any formations containing hydrocarbons after 15 February. None of the objective horizons were penetrated. The well was re-entered on 20 September 1990 and was thereafter designated 6205/3-I R. The bottom of the rathole below the 9 5/8" shoe was encountered 6 m high at 4294 m. The well was drilled to TD of 5264 m on 6 November 1990. The well bores were drilled with spud mud to 1017 m and KCl polymer mud from 1017 m to TD.

Thinly developed Late Jurassic sandstones were encountered, which proved to be water wet. In 6205/3-1 one conventional core was cut in the Åsgard Formation, from 4220 to 4228.4 m. In 6205/3-1 R a total of six cores were cut in Jurassic sediments in the interval 4332 - 5263 m. RFTs were attempted but only one formation pressure and one fluid sample (4337.1 m) were obtained. Well 6205/3-1 R was plugged and abandoned as a dry hole with shows on 30 November 1990.

Testing

One production test was performed over the perforated interval 4324.1 - 4344.1 m. Only water was produced to surface during the test. However, gas was brought to surface when reversing out the tubing contents and samples were taken.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1020.00	5260.00

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	4220.0	4227.3	[m]

Total core sample length [m]	7.3
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1040.0	[m]	DC	RRI
1070.0	[m]	DC	RRI
1110.0	[m]	DC	RRI
1130.0	[m]	DC	RRI
1150.0	[m]	DC	RRI
1160.0	[m]	DC	PALEO
1170.0	[m]	DC	RRI
1180.0	[m]	DC	PALEO
1200.0	[m]	DC	RRI
1210.0	[m]	SWC	HYDRO
1210.0	[m]	DC	RRI
1220.0	[m]	DC	RRI
1230.0	[m]	DC	RRI
1240.0	[m]	SWC	HYDRO
1240.0	[m]	DC	RRI
1250.0	[m]	DC	RRI
1260.0	[m]	DC	RRI
1270.0	[m]	DC	RRI
1280.0	[m]	DC	RRI
1290.0	[m]	DC	RRI
1300.0	[m]	DC	RRI
1308.0	[m]	SWC	HYDRO
1310.0	[m]	DC	RRI
1313.0	[m]	SWC	HYDRO
1320.0	[m]	DC	RRI
1330.0	[m]	DC	RRI
1350.0	[m]	DC	RRI
1360.0	[m]	DC	RRI



1380.0 [m]	DC	RRI
1390.0 [m]	DC	RRI
1420.0 [m]	DC	RRI
1450.0 [m]	DC	RRI
1480.0 [m]	DC	RRI
1485.0 [m]	SWC	HYDRO
1490.0 [m]	DC	RRI
1498.0 [m]	SWC	HYDRO
1500.0 [m]	DC	RRI
1500.0 [m]	DC	OD
1510.0 [m]	DC	RRI
1530.0 [m]	SWC	HYDRO
1547.0 [m]	SWC	HYDRO
1550.0 [m]	DC	OD
1555.0 [m]	DC	HYDRO
1575.0 [m]	DC	HYDRO
1600.0 [m]	DC	OD
1650.0 [m]	DC	OD
1690.0 [m]	DC	RRI
1700.0 [m]	DC	OD
1720.0 [m]	DC	OD
1750.0 [m]	DC	OD
1750.0 [m]	SWC	HYDRO
1780.0 [m]	DC	RRI
1800.0 [m]	DC	OD
1810.0 [m]	DC	PALEO
1850.0 [m]	DC	OD
1893.0 [m]	SWC	HYDRO
1900.0 [m]	DC	OD
1950.0 [m]	DC	OD
2000.0 [m]	DC	OD
2010.0 [m]	DC	PALEO
2010.0 [m]	SWC	HYDRO
2040.0 [m]	DC	PALEO
2050.0 [m]	DC	OD
2081.0 [m]	SWC	HYDRO
2100.0 [m]	DC	OD
2150.0 [m]	DC	PALEO
2150.0 [m]	DC	OD
2170.0 [m]	SWC	HYDRO



2180.0	[m]	DC	PALEO
2200.0	[m]	DC	OD
2224.0	[m]	SWC	HYDRO
2250.0	[m]	DC	OD
2300.0	[m]	DC	OD
2313.0	[m]	SWC	HYDRO
2350.0	[m]	DC	OD
2400.0	[m]	DC	OD
2418.0	[m]	DC	OD
2450.0	[m]	DC	OD
2550.0	[m]	DC	OD
2570.0	[m]	DC	OD
2590.0	[m]	DC	OD
2600.0	[m]	DC	OD
2610.0	[m]	DC	OD
2626.0	[m]	SWC	HYDRO
2630.0	[m]	DC	PALEO
2630.0	[m]	DC	OD
2645.0	[m]	DC	PALEO
2650.0	[m]	DC	OD
2652.0	[m]	SWC	HYDRO
2660.0	[m]	DC	PALEO
2670.0	[m]	DC	OD
2675.0	[m]	DC	PALEO
2675.0	[m]	SWC	HYDRO
2685.0	[m]	DC	PALEO
2705.0	[m]	DC	PALEO
2710.0	[m]	DC	OD
2719.0	[m]	SWC	HYDRO
2720.0	[m]	DC	PALEO
2735.0	[m]	DC	PALEO
2750.0	[m]	DC	PALEO
2750.0	[m]	DC	OD
2755.0	[m]	SWC	HYDRO
2765.0	[m]	DC	PALEO
2780.0	[m]	DC	PALEO
2795.0	[m]	DC	PALEO
2795.0	[m]	SWC	HYDRO
2810.0	[m]	DC	PALEO
2825.0	[m]	DC	PALEO



2834.0	[m]	SWC	HYDRO
2840.0	[m]	DC	PALEO
2850.0	[m]	DC	OD
2855.0	[m]	DC	PALEO
2865.0	[m]	SWC	HYDRO
2870.0	[m]	DC	PALEO
2885.0	[m]	DC	PALEO
2900.0	[m]	DC	PALEO
2910.0	[m]	DC	OD
2913.0	[m]	SWC	HYDRO
2915.0	[m]	DC	PALEO
2920.0	[m]	SWC	HYDRO
2930.0	[m]	DC	PALEO
2945.0	[m]	DC	PALEO
2950.0	[m]	DC	OD
2960.0	[m]	DC	PALEO
2964.0	[m]	SWC	HYDRO
2975.0	[m]	DC	PALEO
2990.0	[m]	DC	PALEO
3005.0	[m]	DC	PALEO
3010.0	[m]	DC	OD
3020.0	[m]	DC	PALEO
3025.0	[m]	SWC	HYDRO
3035.0	[m]	DC	PALEO
3050.0	[m]	DC	PALEO
3050.0	[m]	DC	OD
3050.0	[m]	SWC	HYDRO
3065.0	[m]	DC	PALEO
3080.0	[m]	DC	PALEO
3095.0	[m]	DC	PALEO
3110.0	[m]	DC	PALEO
3110.0	[m]	DC	OD
3114.0	[m]	SWC	HYDRO
3125.0	[m]	DC	PALEO
3130.0	[m]	DC	OD
3140.0	[m]	DC	PALEO
3141.0	[m]	SWC	HYDRO
3149.0	[m]	SWC	HYDRO
3155.0	[m]	DC	PALEO
3161.0	[m]	SWC	HYDRO



3170.0 [m]	DC	OD
3175.0 [m]	DC	PALEO
3185.0 [m]	DC	PALEO
3190.0 [m]	DC	OD
3200.0 [m]	DC	PALEO
3210.0 [m]	DC	OD
3215.0 [m]	DC	PALEO
3226.0 [m]	SWC	HYDRO
3230.0 [m]	DC	PALEO
3230.0 [m]	DC	OD
3245.0 [m]	DC	PALEO
3250.0 [m]	DC	OD
3260.0 [m]	DC	PALEO
3267.0 [m]	SWC	HYDRO
3270.0 [m]	DC	OD
3275.0 [m]	DC	PALEO
3290.0 [m]	DC	PALEO
3305.0 [m]	DC	PALEO
3310.0 [m]	DC	OD
3315.0 [m]	SWC	HYDRO
3320.0 [m]	DC	PALEO
3330.0 [m]	DC	PALEO
3335.0 [m]	DC	PALEO
3350.0 [m]	DC	PALEO
3352.0 [m]	SWC	HYDRO
3365.0 [m]	DC	PALEO
3370.0 [m]	DC	OD
3380.0 [m]	DC	PALEO
3390.0 [m]	DC	OD
3390.0 [m]	SWC	HYDRO
3395.0 [m]	DC	PALEO
3410.0 [m]	DC	PALEO
3410.0 [m]	DC	OD
3420.0 [m]	DC	OD
3425.0 [m]	DC	PALEO
3430.0 [m]	SWC	HYDRO
3435.0 [m]	DC	PALEO
3440.0 [m]	DC	OD
3450.0 [m]	DC	PALEO
3460.0 [m]	DC	OD



3469.0 [m]	SWC	HYDRO
3470.0 [m]	DC	PALEO
3480.0 [m]	DC	OD
3485.0 [m]	DC	PALEO
3500.0 [m]	DC	PALEO
3510.0 [m]	DC	OD
3515.0 [m]	DC	PALEO
3530.0 [m]	DC	PALEO
3530.0 [m]	DC	OD
3540.0 [m]	SWC	HYDRO
3545.0 [m]	DC	PALEO
3550.0 [m]	DC	OD
3560.0 [m]	DC	PALEO
3570.0 [m]	DC	OD
3575.0 [m]	DC	PALEO
3580.0 [m]	SWC	HYDRO
3590.0 [m]	DC	PALEO
3590.0 [m]	DC	OD
3605.0 [m]	DC	PALEO
3610.0 [m]	DC	OD
3620.0 [m]	DC	PALEO
3630.0 [m]	DC	OD
3635.0 [m]	DC	PALEO
3650.0 [m]	DC	PALEO
3650.0 [m]	DC	OD
3665.0 [m]	DC	PALEO
3675.0 [m]	DC	OD
3680.0 [m]	DC	PALEO
3690.0 [m]	DC	OD
3700.0 [m]	DC	PALEO
3707.0 [m]	SWC	HYDRO
3710.0 [m]	DC	PALEO
3710.0 [m]	DC	OD
3720.0 [m]	DC	PALEO
3730.0 [m]	DC	OD
3740.0 [m]	DC	PALEO
3748.0 [m]	SWC	HYDRO
3750.0 [m]	DC	OD
3755.0 [m]	DC	PALEO
3770.0 [m]	DC	PALEO



3770.0 [m]	DC	OD
3785.0 [m]	DC	PALEO
3790.0 [m]	DC	OD
3800.0 [m]	DC	PALEO
3810.0 [m]	DC	OD
3815.0 [m]	DC	PALEO
3830.0 [m]	DC	PALEO
3830.0 [m]	DC	OD
3845.0 [m]	DC	PALEO
3850.0 [m]	DC	OD
3860.0 [m]	DC	PALEO
3870.0 [m]	DC	OD
3875.0 [m]	DC	PALEO
3890.0 [m]	DC	PALEO
3890.0 [m]	DC	OD
3905.0 [m]	DC	PALEO
3910.0 [m]	DC	OD
3910.0 [m]	SWC	HYDRO
3920.0 [m]	DC	PALEO
3930.0 [m]	DC	OD
3935.0 [m]	DC	PALEO
3950.0 [m]	DC	OD
3950.0 [m]	DC	PALEO
3965.0 [m]	DC	PALEO
3970.0 [m]	DC	OD
3985.0 [m]	DC	PALEO
3990.0 [m]	DC	OD
3990.0 [m]	SWC	HYDRO
3995.0 [m]	DC	PALEO
4007.0 [m]	DC	PALEO
4012.0 [m]	DC	PALEO
4025.0 [m]	DC	PALEO
4030.0 [m]	DC	OD
4032.0 [m]	SWC	HYDRO
4037.0 [m]	DC	PALEO
4050.0 [m]	DC	OD
4057.0 [m]	DC	PALEO
4070.0 [m]	DC	PALEO
4070.0 [m]	DC	OD
4090.0 [m]	DC	OD



4090.0 [m]	SWC	HYDRO
4100.0 [m]	DC	PALEO
4110.0 [m]	DC	OD
4120.0 [m]	DC	PALEO
4125.0 [m]	SWC	HYDRO
4130.0 [m]	DC	OD
4140.0 [m]	DC	PALEO
4150.0 [m]	DC	OD
4160.0 [m]	DC	PALEO
4162.0 [m]	DC	PALEO
4170.0 [m]	DC	OD
4170.0 [m]	SWC	HYDRO
4180.0 [m]	DC	PALEO
4190.0 [m]	DC	PALEO
4190.0 [m]	DC	OD
4200.0 [m]	DC	PALEO
4210.0 [m]	DC	OD
4219.0 [m]	SWC	HYDRO
4220.0 [m]	DC	PALEO
4220.0 [m]	C	OD
4221.5 [m]	C	HYDRO
4223.1 [m]	DC	PALEO
4223.8 [m]	C	OD
4225.5 [m]	C	HYDRO
4226.9 [m]	C	HYDRO
4227.3 [m]	DC	OD
4230.0 [m]	DC	OD
4240.0 [m]	SWC	HYDRO
4250.0 [m]	DC	OD
4253.0 [m]	SWC	HYDRO
4265.0 [m]	DC	PALEO
4270.0 [m]	DC	OD
4275.0 [m]	SWC	HYDRO
4280.0 [m]	SWC	HYDRO
4290.0 [m]	DC	OD
4290.0 [m]	SWC	HYDRO
4295.0 [m]	SWC	HYDRO
4910.0 [m]	DC	OD
4960.0 [m]	DC	OD
5010.0 [m]	DC	OD



5060.0	[m]	DC	OD
5110.0	[m]	DC	OD
5160.0	[m]	DC	OD
5210.0	[m]	DC	OD
5260.0	[m]	DC	OD

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
182	NORDLAND GP
308	ROGALAND GP
308	SELE FM
1220	LISTA FM
1317	EGGA FM (INFORMAL)
1482	SHETLAND GP
1482	JORSALFARE FM
1573	KYRRE FM
2876	BLODØKS FM
2891	SVARTE FM
3133	CROMER KNOLL GP
3133	RØDBY FM
3179	AGAT FM
3780	SOLA FM
3956	ÅSGARD FM

Geochemical information

Document name	Document format	Document size [MB]
1479_1	pdf	1.84
1479_2	pdf	1.63

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

Document name	Document format	Document size [MB]
1479_01_WDSS_General_Information	pdf	0.23
1479_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]
1479_6205_3_1_COMPLETION_REPORT_AND_LOG	pdf	19.08

Logs

Log type	Log top depth [m]	Log bottom depth [m]
CBL VDL GR	2200	2665
CNL	3940	4292
CST	1210	2675
CST	2719	4299
DIL BHC SP GR	267	535
DIL LSS SP GR	975	4298
FMS GR	3970	4298
LDL AMS	975	4292
MSFL	2671	4292
VSP	1210	4000

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	268.0	36	269.0	0.00	LOT
INTERM.	20	975.0	26	1017.0	1.62	LOT
INTERM.	13 3/8	2671.0	17 1/2	2689.0	1.70	LOT
OPEN HOLE		4300.0	12 1/4	4300.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
188	1.05			WATER BASED	
222	1.05			WATER BASED	
248	1.05			WATER BASED	
269	1.05			WATER BASED	





280	1.05			WATER BASED	
450	1.05			WATER BASED	
808	1.05			WATER BASED	
975	0.00	13.0		WATER BASED	
1017	1.00			WATER BASED	
1257	1.21	14.0		WATER BASED	
1469	1.24	23.0		WATER BASED	
1526	1.23	12.0		WATER BASED	
1620	1.21	19.0		WATER BASED	
1777	1.23	28.0		WATER BASED	
1812	1.23	24.0		WATER BASED	
1850	1.22	18.0		WATER BASED	
1995	1.20	20.0		WATER BASED	
2103	1.20	20.0		WATER BASED	
2187	1.20	19.0		WATER BASED	
2231	1.20	14.0		WATER BASED	
2329	1.20	17.0		WATER BASED	
2340	1.20	19.0		WATER BASED	
2387	1.20	18.0		WATER BASED	
2456	1.21	18.0		WATER BASED	
2502	1.20	18.0		WATER BASED	
2628	1.20	17.0		WATER BASED	
2686	1.20	18.0		WATER BASED	
2689	1.20	18.0		WATER BASED	
2692	1.22	22.0		WATER BASED	
2776	1.22	23.0		WATER BASED	
2800	1.22	17.0		WATER BASED	
2815	1.22	17.0		WATER BASED	
2886	1.22	23.0		WATER BASED	
2952	1.22	27.0		WATER BASED	
3065	1.22	17.0		WATER BASED	
3073	1.22	16.0		WATER BASED	
3178	1.22	17.0		WATER BASED	
3180	1.22	18.0		WATER BASED	
3205	1.22	16.0		WATER BASED	
3287	1.22	15.0		WATER BASED	
3312	1.22	20.0		WATER BASED	
3368	1.22	21.0		WATER BASED	
3455	1.22	20.0		WATER BASED	
3563	1.22	20.0		WATER BASED	



3612	1.22	22.0		WATER BASED	
3619	1.22	22.0		WATER BASED	
3657	1.22	20.0		WATER BASED	
3690	1.22	20.0		WATER BASED	
3779	1.22	18.0		WATER BASED	
3851	1.23	22.0		WATER BASED	
3973	1.22	21.0		WATER BASED	
4011	1.22	21.0		WATER BASED	
4060	1.27	21.0		WATER BASED	
4096	1.27	20.0		WATER BASED	
4220	1.27	25.0		WATER BASED	
4227	1.27	15.0		WATER BASED	
4232	1.28	21.0		WATER BASED	
4293	1.27	19.0		WATER BASED	
4300	1.31	19.0		WATER BASED	