



General information





Wellbore name	7226/2-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Discovery	7226/2-1 (Ververis)
Well name	7226/2-1
Seismic location	ST07M16-inline 3566 & crossline 2420
Production licence	395
Drilling operator	StatoilHydro ASA
Drill permit	1175-L
Drilling facility	POLAR PIONEER
Drilling days	63
Entered date	18.05.2008
Completed date	19.07.2008
Release date	19.07.2010
Publication date	01.08.2010
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS
Discovery wellbore	YES
1st level with HC, age	MIDDLE TRIASSIC
1st level with HC, formation	KOBBE FM
Kelly bushing elevation [m]	23.0
Water depth [m]	347.0
Total depth (MD) [m RKB]	2992.0
Final vertical depth (TVD) [m RKB]	2991.0
Maximum inclination [°]	2.6
Oldest penetrated age	EARLY TRIASSIC
Oldest penetrated formation	HAVERT FM
Geodetic datum	ED50
NS degrees	72° 53' 31.6" N
EW degrees	26° 35' 39.5" E
NS UTM [m]	8088712.12
EW UTM [m]	486678.61
UTM zone	35
NPDID wellbore	5807



Wellbore history

General

The 7226/2-1 Ververis well was drilled on a dome structure on the Bjarmeland platform in the Barents Sea. The objective was to prove hydrocarbons in the Realgrunnen Group of Jurassic age, in the Snadd Formation of Carnian age and in the Kobbe Formation of Anisian age.

Operations and results

Wildcat well 7226/2-1 was spudded with the semi-submersible installation Polar Pioneer on 18 May 2008 and drilled to TD at 2992 m in the Early Triassic Havert Formation. No significant problems were encountered in the operations. No shallow gas was observed. The well was drilled with Seawater and hi-vis bentonite pills down to 544 m and with FormPro mud from 544 m to TD.

The Ververis well penetrated a short Quaternary section and then a thin section of Cretaceous before dissecting both the Jurassic and Triassic sections. The well showed gas in the Kobbe Formation. There were also indications of hydrocarbons in the Havert Formation where the sandstones showed high resistivity during drilling, but the MDT log indicated that the reservoir was tight. No hydrocarbon/water contacts were observed in the well, only lithological gas-down-to contacts. In the Kobbe Formation on Obesum and in the Havert Formation on Ververis, there are strong indications that low permeable zones were plugged because of the properties of the mud. This has made it difficult to examine on the presence of hydrocarbons and flowing properties. Weak oil shows (yellowish fluorescence were recorded in the intervals 903 - 952 m, and at 1746 to 1747 m. No bottom hole temperature at final TD is given on the fact pages, due to no reliable downhole temperature obtained.

Four cores were cut in the original hole: from 905 to 952 m (Tubåen Formation); 1365 to 1418 m (Snadd Formation); 1747 to 1751 m (Kobbe Formation), and from 2892 m to 2897 m in the Klappmyss Formation. Two more cores were cut in two coring sidetracks (T2 and T3) made after final TD in the original hole: from 2929 m to 2948.4 m in the Havert Formation and from 1896 m to 1927.9 m in the Kobbe Formation. MDT wire line water samples were taken at 905.3 m in the Tubåen Formation and at 1362 m in the Snadd Formation. MDT gas samples were taken at 1903.7 m, 1747.8 m, and at 1920.3 m in the Kobbe Formation.

The well was permanently abandoned on 19 July 2008 as a gas discovery.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
546.00	2990.00

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	905.0	952.1	[m]
2	1365.0	1418.5	[m]
3	1747.0	1750.8	[m]
4	2892.0	2896.1	[m]

Total core sample length [m]	108.5
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
546.0	[m]	DC	STATHYD
564.0	[m]	DC	STATHY
582.0	[m]	DC	STATHY
594.0	[m]	DC	STATHY
612.0	[m]	DC	STATHY
624.0	[m]	DC	STATHY
648.0	[m]	DC	STATHY
666.0	[m]	DC	STATHY
684.0	[m]	DC	STATHY
702.0	[m]	DC	STATHY
786.0	[m]	DC	STATHY
795.0	[m]	DC	STATHY
804.0	[m]	DC	STATHY
837.0	[m]	DC	STATHY
846.0	[m]	DC	STATHY
855.0	[m]	DC	STATHY
858.0	[m]	DC	STATHY
864.0	[m]	DC	STATHY
870.0	[m]	DC	STATHY
888.0	[m]	DC	STATHY
894.0	[m]	DC	STATHY
907.6	[m]	CC	STATHY
909.7	[m]	CC	STATHY
913.3	[m]	CC	STATHY
914.5	[m]	CC	STATHY



917.4	[m]	CC	STATHY
917.8	[m]	CC	STATHY
922.7	[m]	CC	STATHY
924.1	[m]	CC	STATHY
928.1	[m]	CC	STATHY
930.8	[m]	CC	STATHY
932.8	[m]	CC	STATHY
936.1	[m]	CC	STATHY
938.4	[m]	CC	STATHY
943.3	[m]	CC	STATHY
944.5	[m]	CC	STATHY
946.8	[m]	CC	STATHY
947.3	[m]	CC	STATHY
951.5	[m]	CC	STATHY
960.0	[m]	DC	STATHY
966.0	[m]	DC	STATHY
972.0	[m]	DC	STATHY
978.0	[m]	DC	STATHY
987.0	[m]	DC	STATHY
993.0	[m]	DC	STATHY
999.0	[m]	DC	STATHY
1005.0	[m]	DC	STATHY
1011.0	[m]	DC	STATHY
1017.0	[m]	DC	STATHY
1023.0	[m]	DC	STATHY
1029.0	[m]	DC	STATHY
1038.0	[m]	DC	STATHY
1044.0	[m]	DC	STATHY
1050.0	[m]	DC	STATHY
1056.0	[m]	DC	STATHY
1068.0	[m]	DC	STATHY
1074.0	[m]	DC	STATHY
1080.0	[m]	DC	STATHY
1092.0	[m]	DC	STATHY
1098.0	[m]	DC	STATHY
1104.0	[m]	DC	STATHY
1116.0	[m]	DC	STATHY
1122.0	[m]	DC	STATHY
1128.0	[m]	DC	STATHY
1134.0	[m]	DC	STATHY



1140.0 [m]	DC	STATHY
1152.0 [m]	DC	STATHY
1158.0 [m]	DC	STATHY
1224.0 [m]	DC	STATHY
1266.0 [m]	DC	STATHY
1302.0 [m]	DC	STATHY
1314.0 [m]	DC	STATHY
1326.0 [m]	DC	STATHY
1338.0 [m]	DC	STATHY
1347.0 [m]	DC	STATHY
1377.7 [m]	CC	STATHY
1382.3 [m]	CC	STATHY
1422.0 [m]	DC	STATHY
1434.0 [m]	DC	STATHY
1440.0 [m]	DC	STATHY
1446.0 [m]	DC	STATHY
1458.0 [m]	DC	STATHY
1464.0 [m]	DC	STATHY
1470.0 [m]	DC	STATHY
1482.0 [m]	DC	STATHY
1488.0 [m]	DC	STATHY
1494.0 [m]	DC	STATHY
1500.0 [m]	DC	STATHY
1512.0 [m]	DC	STATHY
1518.0 [m]	DC	STATHY
1524.0 [m]	DC	STATHY
1530.0 [m]	DC	STATHY
1542.0 [m]	DC	STATHY
1548.0 [m]	DC	STATHY
1554.0 [m]	DC	STATHY
1566.0 [m]	DC	STATHY
1572.0 [m]	DC	STATHY
1578.0 [m]	DC	STATHY
1590.0 [m]	DC	STATHY
1596.0 [m]	DC	STATHY
1611.0 [m]	DC	STATHY
1629.0 [m]	DC	STATHY
1638.0 [m]	DC	STATHY
1659.0 [m]	DC	STATHY
1677.0 [m]	DC	STATHY



1686.0	[m]	DC	STATHY
1707.0	[m]	DC	STATHY
1719.0	[m]	DC	STATHY
1728.0	[m]	DC	STATHY
1748.3	[m]	CC	STATHY
1750.4	[m]	CC	STATHY
1758.0	[m]	DC	STATHY
1773.0	[m]	DC	STATHY
1791.0	[m]	DC	STATHY
1797.0	[m]	DC	STATHY
1815.0	[m]	DC	STATHY
1839.0	[m]	DC	STATHY
1845.0	[m]	DC	STATHY
1863.0	[m]	DC	STATHY
1881.0	[m]	DC	STATHY
1905.0	[m]	DC	STATHY
1911.0	[m]	DC	STATHY
1929.0	[m]	DC	STATHY
1941.0	[m]	DC	STATHY
1959.0	[m]	DC	STATHY
1965.0	[m]	DC	STATHY
1977.0	[m]	DC	STATHY
1989.0	[m]	DC	STATHY
2007.0	[m]	DC	STATHY
2025.0	[m]	DC	STATHY
2043.0	[m]	DC	STATHY
2061.0	[m]	DC	STATHY
2085.0	[m]	DC	STATHY
2103.0	[m]	DC	STATHY
2127.0	[m]	DC	STATHY
2139.0	[m]	DC	STATHY
2151.0	[m]	DC	STATHY
2163.0	[m]	DC	STATHY
2181.0	[m]	DC	STATHY
2187.0	[m]	DC	STATHY
2205.0	[m]	DC	STATHY
2223.0	[m]	DC	STATHY
2235.0	[m]	DC	STATHY
2247.0	[m]	DC	STATHY
2265.0	[m]	DC	STATHY



2283.0	[m]	DC	STATHY
2301.0	[m]	DC	STATHY
2331.0	[m]	DC	STATHY
2346.0	[m]	DC	STATHY
2361.0	[m]	DC	STATHY
2379.0	[m]	DC	STATHY
2388.0	[m]	DC	STATHY
2400.0	[m]	DC	STATHY
2418.0	[m]	DC	STATHY
2442.0	[m]	DC	STATHY
2466.0	[m]	DC	STATHY
2484.0	[m]	DC	STATHY
2514.0	[m]	DC	STATHY
2532.0	[m]	DC	STATHY
2544.0	[m]	DC	STATHY
2550.0	[m]	DC	STATHY
2562.0	[m]	DC	STATHY
2580.0	[m]	DC	STATHY
2592.0	[m]	DC	STATHY
2610.0	[m]	DC	STATHY
2640.0	[m]	DC	STATHY
2646.0	[m]	DC	STATHY
2664.0	[m]	DC	STATHY
2682.0	[m]	DC	STATHY
2706.0	[m]	DC	STATHY
2712.0	[m]	DC	STATHY
2724.0	[m]	DC	STATHY
2730.0	[m]	DC	STATHY
2748.0	[m]	DC	STATHY
2772.0	[m]	DC	STATHY
2790.0	[m]	DC	STATHY
2796.0	[m]	DC	STATHY
2814.0	[m]	DC	STATHY
2832.0	[m]	DC	STATHY
2838.0	[m]	DC	STATHY
2850.0	[m]	DC	STATHY
2856.0	[m]	DC	STATHY

Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
370	NORDLAND GP
454	ADVENTDALEN GP
454	KOLMULE FM
727	KNURR FM
754	HEKKINGEN FM
864	FUGLEN FM
901	KAPP TOSCANA GP
901	TUBÅEN FM
950	FRUHOLMEN FM
1052	SNADD FM
1694	SASSENDALEN GP
1694	KOBBE FM
2325	KLAPPMYSS FM
2930	HAVERT FM

Composite logs

Document name	Document format	Document size [MB]
5807	pdf	0.47

Geochemical information

Document name	Document format	Document size [MB]
5807_1	pdf	0.17
5807_2	pdf	5.17

Logs

Log type	Log top depth [m]	Log bottom depth [m]
ECS PEX IS PPC MSIP PPC CMR	1599	2988
FMI HRLA ECRD	850	1598
HRLA HNGS FMI	1599	2988
MDT	905	1362
MDT PA PS	1747	2116





MDT PS PA	1739	2938
MSCT	2942	0
MSIP PEX	802	1598
MWD LWD - ARCVRES6 PP	1683	1896
MWD LWD - ARCVRES6 PP	2762	2929
MWD LWD - ARCVRES6 PP GVR6	1600	2992
MWD LWD - ARCVRES8 PP GVR8	855	1600
MWD LWD - ARCVRES8 PP SONVIS8	370	700
MWD LWD - ARCVRES9 TELE	544	855
PEX DSI	370	855
ZO VSP	410	2992

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	419.0	36	423.0	0.00	LOT
SURF.COND.	20	536.0	26	544.0	1.60	LOT
PILOT HOLE		700.0	9 7/8	700.0	0.00	LOT
SURF.COND.	13 3/8	850.0	17 1/2	855.0	1.86	LOT
INTERM.	9 5/8	1599.0	12 1/4	1600.0	2.01	FIT
OPEN HOLE		2992.0	8 1/2	2992.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
339	1.54	17.0		Form Pro	
824	1.28	8.0		FormPro	
855	1.28	14.0		FormPro	
905	1.28	14.0		Form Pro	
1182	1.29	13.0		Form Pro	
1512	1.33	16.0		FormPro	
1600	1.34	13.0		FormPro	
1600	1.34	16.0		Form Pro	
1719	1.45	19.0		FloPro	
1874	1.43	18.0		FormPro	
1928	1.54	19.0		Form Pro	



2375	1.41	20.0		FormPro	
2647	1.42	21.0		FormPro	
2740	1.42	16.0		FloPro	
2892	1.42	22.0		FormPro	
2948	1.42	15.0		FloPro	
2992	1.42	20.0		FormPro	

Thin sections at the Norwegian Offshore Directorate

Depth	Unit
1365.75	[m]
1376.75	[m]
1387.00	[m]
1392.45	[m]
1400.75	[m]
1406.45	[m]
1410.25	[m]
1747.75	[m]

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]
5807_Formalion_pressure_(Formasjonstrykk)	pdf	0.28

