



General information

Wellbore name	6608/11-5
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Well name	6608/11-5
Seismic location	ST04M17-linje 1244 & trase 3788
Production licence	128
Drilling operator	Statoil ASA (old)
Drill permit	1114-L
Drilling facility	OCEAN VANGUARD
Drilling days	27
Entered date	18.06.2006
Completed date	14.07.2006
Release date	14.07.2008
Publication date	15.08.2008
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	342.5
Total depth (MD) [m RKB]	2270.0
Final vertical depth (TVD) [m RKB]	2269.0
Maximum inclination [°]	2.4
Bottom hole temperature [°C]	85
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	RED BEDS (INFORMAL)
Geodetic datum	ED50
NS degrees	66° 11' 9.57" N
EW degrees	8° 28' 50.39" E
NS UTM [m]	7340924.85
EW UTM [m]	476599.92
UTM zone	32
NPDID wellbore	5316



Wellbore history

Wildcat well 6608/11-5 is located 2.7 km southeast of the 6608/11-4 Linerle Discovery, on an up-thrown horst block compared to the Linerle discovery, NNE of the Norne field. The objective of the well was to prove oil in the Early Jurassic Åre Formation and in the Triassic Grey Beds.

Operations and results

Well 6608/11-5 was spudded with the semi-submersible installation Ocean Vanguard on 18 June 2006 and drilled to TD at 2270 m in the Late Triassic Red Beds. No significant technical problems occurred during operations. The well was drilled with seawater/polymer/bentonite and returns to seafloor down to 1305 m. From 1305 m to TD the well was drilled with Glydril water based mud with 99% KCl. No shallow gas was observed.

The observed stratigraphy was close to the prognosis, except for the presences of the Tang Formation, which is part of the Rogaland Group, and the Springar Formation, which is part of the Shetland Group. The latter interval (Late Cretaceous) was not expected to be present at the location. Only traces of hydrocarbons were seen in the well. No direct fluorescence was seen in the core chips. Slow, very weak, yellowish, milky white cut fluorescence was observed in sandstones of the cored interval from 1559 -1563 m MD and 1568-1571.8 m in the Åre Formation. No direct or cut fluorescence was observed in the sandstones of the interval from 2250 m MD to 2270 m in the Triassic.

One core was cut in this well, from 1559 to 1574 m in the Åre Formation. MDT water samples were attempted collected in the Åre Formation, Grey Beds and Red Beds. No sample from the Åre Formation was obtained. A sample from 1697.5 m in the Red Beds gave a sample that was relatively un-contaminated (estimated 7.2% contamination).

The well was permanently abandoned on 14 July 2006 as a dry well with weak shows.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1310.00	2270.00

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	1559.0	1571.8	[m]

Total core sample length [m]	12.8
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Cores available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1310.0	[m]	DC	FUGRO
1320.0	[m]	DC	FUGRO
1330.0	[m]	DC	FUGRO
1340.0	[m]	DC	FUGRO
1350.0	[m]	DC	FUGRO
1360.0	[m]	DC	FUGRO
1370.0	[m]	DC	FUGRO
1380.0	[m]	DC	FUGRO
1390.0	[m]	DC	FUGRO
1400.0	[m]	DC	FUGRO
1410.0	[m]	DC	FUGRO
1420.0	[m]	DC	FUGRO
1430.0	[m]	DC	FUGRO
1440.0	[m]	DC	FUGRO
1450.0	[m]	DC	FUGRO
1455.0	[m]	DC	FUGRO
1473.0	[m]	DC	FUGRO
1482.0	[m]	DC	FUGRO
1491.0	[m]	DC	FUGRO
1500.0	[m]	DC	FUGRO
1503.0	[m]	DC	FUGRO
1506.0	[m]	DC	FUGRO
1509.0	[m]	DC	FUGRO
1512.0	[m]	DC	FUGRO
1515.0	[m]	DC	FUGRO
1518.0	[m]	DC	FUGRO
1521.0	[m]	DC	FUGRO
1524.0	[m]	DC	FUGRO
1527.0	[m]	DC	FUGRO
1530.0	[m]	DC	FUGRO
1533.0	[m]	DC	FUGRO
1536.0	[m]	DC	FUGRO
1539.0	[m]	DC	FUGRO
1542.0	[m]	DC	FUGRO



1545.0 [m]	DC	FUGRO
1548.0 [m]	DC	FUGRO
1551.0 [m]	DC	FUGRO
1554.0 [m]	DC	FUGRO
1557.0 [m]	DC	FUGRO
1559.0 [m]	DC	FUGRO
1560.0 [m]	DC	FUGRO
1561.2 [m]	C	FUGRO
1562.7 [m]	C	FUGRO
1563.7 [m]	C	FUGRO
1564.5 [m]	C	FUGRO
1565.7 [m]	C	FUGRO
1566.9 [m]	C	FUGRO
1567.9 [m]	C	FUGRO
1568.5 [m]	C	FUGRO
1569.5 [m]	C	FUGRO
1570.9 [m]	C	FUGRO
1571.7 [m]	C	FUGRO
1572.0 [m]	C	FUGRO
1575.0 [m]	C	FUGRO
1578.0 [m]	C	FUGRO
1581.0 [m]	C	FUGRO
1584.0 [m]	C	FUGRO
1587.0 [m]	C	FUGRO
1590.0 [m]	C	FUGRO
1593.0 [m]	C	FUGRO
1596.0 [m]	C	FUGRO
1599.0 [m]	C	FUGRO
1602.0 [m]	C	FUGRO
1605.0 [m]	C	FUGRO
1608.0 [m]	C	FUGRO
1611.0 [m]	C	FUGRO
1614.0 [m]	C	FUGRO
1617.0 [m]	C	FUGRO
1620.0 [m]	C	FUGRO
1623.0 [m]	C	FUGRO
1626.0 [m]	C	FUGRO
1629.0 [m]	C	FUGRO
1632.0 [m]	C	FUGRO
1635.0 [m]	C	FUGRO



1638.0 [m]	C	FUGRO
1641.0 [m]	C	FUGRO
1644.0 [m]	C	FUGRO
1647.0 [m]	C	FUGRO
1650.0 [m]	C	FUGRO
1653.0 [m]	C	FUGRO
1656.0 [m]	C	FUGRO
1662.0 [m]	C	FUGRO
1674.0 [m]	C	FUGRO
1686.0 [m]	C	FUGRO
1692.0 [m]	C	FUGRO
1698.0 [m]	C	FUGRO
1704.0 [m]	C	FUGRO
1710.0 [m]	C	FUGRO
1716.0 [m]	C	FUGRO
1722.0 [m]	C	FUGRO
1728.0 [m]	C	FUGRO
1734.0 [m]	C	FUGRO
1740.0 [m]	C	FUGRO
1746.0 [m]	C	FUGRO
1749.0 [m]	C	FUGRO
1752.0 [m]	C	FUGRO
1764.0 [m]	C	FUGRO
1770.0 [m]	C	FUGRO
1776.0 [m]	C	FUGRO
1782.0 [m]	C	FUGRO
1788.0 [m]	C	FUGRO
1794.0 [m]	C	FUGRO
1800.0 [m]	C	FUGRO
1806.0 [m]	C	FUGRO
1812.0 [m]	C	FUGRO
1818.0 [m]	C	FUGRO
1824.0 [m]	C	FUGRO
1830.0 [m]	C	FUGRO
1836.0 [m]	C	FUGRO
1842.0 [m]	C	FUGRO
1848.0 [m]	C	FUGRO
1854.0 [m]	C	FUGRO
1860.0 [m]	C	FUGRO
1866.0 [m]	C	FUGRO



1872.0 [m]	C	FUGRO
1878.0 [m]	C	FUGRO
1884.0 [m]	C	FUGRO
1890.0 [m]	C	FUGRO
1896.0 [m]	C	FUGRO
1902.0 [m]	C	FUGRO
1908.0 [m]	C	FUGRO
1914.0 [m]	C	FUGRO
1920.0 [m]	C	FUGRO
1926.0 [m]	C	FUGRO
1932.0 [m]	C	FUGRO
1938.0 [m]	C	FUGRO
1944.0 [m]	C	FUGRO
1950.0 [m]	C	FUGRO
1956.0 [m]	C	FUGRO
1968.0 [m]	C	FUGRO
1974.0 [m]	C	FUGRO
1980.0 [m]	C	FUGRO
1986.0 [m]	C	FUGRO
1992.0 [m]	C	FUGRO
1998.0 [m]	C	FUGRO
2004.0 [m]	C	FUGRO
2010.0 [m]	C	FUGRO
2016.0 [m]	C	FUGRO
2238.0 [m]	C	FUGRO
2241.0 [m]	C	FUGRO
2244.0 [m]	C	FUGRO
2247.0 [m]	C	FUGRO
2250.0 [m]	C	FUGRO
2256.0 [m]	C	FUGRO
2259.0 [m]	C	FUGRO
2262.0 [m]	C	FUGRO
2265.0 [m]	C	FUGRO
2268.0 [m]	C	FUGRO
2270.0 [m]	C	FUGRO

Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
365	NORDLAND GP
365	NAUST FM
1341	KAI FM
1373	HORDALAND GP
1373	BRYGGE FM
1435	ROGALAND GP
1435	TARE FM
1515	TANG FM
1517	SHETLAND GP
1517	SPRINGAR FM
1550	BÅT GP
1550	ÅRE FM
1641	GREY BEDS (INFORMAL)
1694	RED BEDS (INFORMAL)

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DSI FMI GR	1290	1885
MDT GR	1551	1588
MDT GR	1553	1739
MDT GR	1553	1553
MWD ARC	1900	2270
MWD MPR	412	1900
PEX HRLA CMR ECS	1300	1890
VSP	423	1890

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	410.0	36	416.0	0.00	LOT
SURF.COND.	9 5/8	1299.0	12 1/4	1305.0	1.57	LOT
OPEN HOLE		2270.0	8 1/2	2270.0	0.00	LOT

Drilling mud



Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
504	1.04			SW / POLYMER 2	
1306	1.04			SW / POLYMER 2	
1373	1.30	12.0		GLYDRIL 74	
1440	1.30	17.0		GLYDRIL 74	
1698	1.30	14.0		GLYDRIL 74	