

**General information**

Wellbore name	30/9-24
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	30/9-24
Seismic location	NH05M01FINAL:inline 3454 & crossline 8687
Production licence	079
Drilling operator	StatoilHydro Petroleum AS
Drill permit	1272-L
Drilling facility	TRANSOCEAN LEADER
Drilling days	38
Entered date	10.09.2009
Completed date	17.10.2009
Release date	17.10.2011
Publication date	17.10.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	23.5
Water depth [m]	107.5
Total depth (MD) [m RKB]	3767.0
Final vertical depth (TVD) [m RKB]	3764.0
Maximum inclination [°]	10.4
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	LUNDE FM
Geodetic datum	ED50
NS degrees	60° 29' 4.7" N
EW degrees	2° 42' 43.2" E
NS UTM [m]	6705578.76
EW UTM [m]	484170.80
UTM zone	31
NPDID wellbore	6210



Wellbore history

General

Well 30/9-24 was drilled on the Omega Nord Statfjord prospect, a rotated fault block, about 6 km southwest of the Oseberg field centre. The main objective of well 30/9-24 was to prove commercial accumulation of hydrocarbon in the Nansen and Eriksson Members in the Statfjord Formation. A secondary objective was to explore the Lower Statfjord reservoir. The TD of the well was planned to be into the Hegre Group.

Operations and results

Drilling operations were done from the semi-submersible installation Transocean Leader. Based on the site survey, shallow gas could not be excluded in the interval 272 to 480 m. A pilot hole, 30/9-24 U2, was therefore drilled on 10 September 2009 to 581 m, without identifying shallow gas. After the pilot the main well was spudded and drilled with a 17 1/2" hole to 1402 m with 30" conductor at 191 m. It was not possible to run the 13 3/8" casing below 253 m and it had to be pulled. It was also observed that the guideposts /PGB had subsided 4m. The well was therefore plugged, abandoned and named 30/9-24X.

Wildcat well 30/9-24 was finally spudded on 16 September 2009, 29.4 m in direction 135.3 deg from the original location. The 30" conductor was set at 226 m and a 17 1/2" hole was drilled to 1294 m. When pulling out of the hole, the drill string got stuck at 1269 m. The string was cut at 1078 m. A cement plug was set and a 13 3/8" casing was run with shoe at 1014 m. A sidetrack, 30/9-24 T2, was then drilled from 1070 m to final TD at 3767 m in the Triassic Lunde Formation. The well was drilled with sea water and hi-vis pills down to 1294 m in the original hole, and with Versatec oil based mud in the sidetrack from kick-off at 1078 m to final TD.

The well penetrated top of the primary objective, the Nansen Member, at 3150 m, and the secondary objective Lower Statfjord at 3368 m. All reservoirs were water wet. Fluorescence and cut fluorescence, possibly due to the oil based mud, were observed just below Base Cretaceous from 2856 to 2866 m and in the Nansen and Erikson Members from 3150 to 3250 m.

As the well was dry no cores were cut and no wire line fluid samples were taken.

The well was plugged, but attempts to cut the 30" conductor from the rig failed. The rig left location on 17 October 2009. The vessel Island Valiant arrived location on 30 October to cut and retrieve the 30" conductor and the wellhead housing that was left on location after the rig left, and to retrieve pre-laid anchors. Operations were completed on 6 November 2009. Well 30/9-24 is classified as a dry well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate



Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1080.00	3767.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
131	NORDLAND GP
594	UTSIRA FM
860	HORDALAND GP
1083	SKADE FM
1269	NO FORMAL NAME
1345	GRID FM
1559	NO FORMAL NAME
2059	ROGALAND GP
2059	BALDER FM
2147	SELE FM
2245	LISTA FM
2351	VÅLE FM
2373	SHETLAND GP
2373	HARDRÅDE FM
2618	KYRRE FM
2838	TRYGGVASON FM
2854	NO FORMAL NAME
2878	DUNLIN GP
3150	STATFJORD GP
3718	HEGRE GP
3718	LUNDE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
ATH PPC MSIP PEX	1860	3764
MDT PRESS	3152	3209
MDT PRESS	3152	3775
MMWD LWD - ECOS TELE STET	3048	3767
MWD LWD - ARCVRES6	131	581



MWD LWD - ARCVRES6 PP	1014	1044
MWD LWD - ARCVRES9	191	1402
MWD LWD - ARCVRES9 PP	1044	3048

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	226.0	36	230.0	0.00	LOT
SURF.COND.	13 3/8	1014.0	17 1/2	1294.0	1.51	LOT
INTERM.	9 5/8	3047.0	12 1/4	3051.0	1.98	LOT
OPEN HOLE		3767.0	8 1/2	3767.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
971	1.35	21.0		KCl/Polymer/Glycol	
1070	1.30	26.0		Versatec	
1078	1.35	25.0		KCl/Polymer/Glycol	
1294	1.35	19.0		Kill Fluid- SW/Bentonite	
1566	1.37	35.0		Versatec	
2267	1.46	36.0		Versatec	
2267	1.45	36.0		Versatec	
3048	1.47	40.0		Versatec	
3048	1.47	34.0		Versatec	
3375	1.31	27.0		Versatec	
3767	1.33	30.0		Versatec	