General information

Wellbore name	30/9-17
Type	EXPLORATION
Purpose	WILDCAT
Status	SUSPENDED
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	30/9-17
Seismic location	NH 8502 R INLINE 239 & CROSSLINE 1033
Production licence	104
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	806-L
Drilling facility	TREASURE SAGA
Drilling days	12
Entered date	03.03.1995
Completed date	14.03.1995
Release date	14.03.1997
Publication date	19.12.2007
Purpose - planned	WILDCAT
Reentry	NO
Content	NOT APPLICABLE
Discovery wellbore	NO
Kelly bushing elevation [m]	26.0
Water depth [m]	107.0
Total depth (MD) [m RKB]	1408.0
Final vertical depth (TVD) [m RKB]	1408.0
Maximum inclination [°]	2.5
Bottom hole temperature [°C]	58
Oldest penetrated age	OLIGOCENE
Oldest penetrated formation	HORDALAND GP
Geodetic datum	ED50
NS degrees	60° 17' 39.08'' N
EW degrees	2° 49' 19.44'' E
NS UTM [m]	6684345.26
EW UTM [m]	490163.05
UTM zone	31
NPDID wellbore	2355

Wellbore history

General

Well 30/9-17 is located on the Bjørgvin Arch south of the Oseberg Sør Field and North of the 30/9-16 K Oseberg Sør Discovery. This is in the Northern North Sea. The well was drilled to clarify the Oseberg Sør development strategy. The primary objective was to establish the extent of the high-permeability Tarbert reservoir found in well 30/9-16. Secondary objectives were to test the lower Brent Group, the Cook Formation, and the Statfjord Formation.

Operations and results

Well 30/9-17 was spudded with the semi-submersible installation Treasure Saga on 3 March 1995 and drilled to 1408 m where the well was temporarily plugged back. This was due to gas and mud flow from the annulus behind 9 5/8" casing. All returns were to sea bed. The well was drilled with spud mud from top to TD.

The conventional logs run did not give conclusive information regarding the origin of the shallow gas. A CBL-log was run, and two zones (832 - 831 m, 550 - 549 m) were selected for perforation and cementing in order to kill the well. The well was killed only after cement had been squeezed into the upper perforation interval. Hence, the origin of the shallow gas was suspected to be the Utsira Formation sand or in thinner sand beds just above the Utsira Formation. No cores were cut and no wire line fluid samples were taken in the well.

The well was suspended on 13 March 1995. The well did not reach its target, and replacement well 30/9-18 was spudded the day after ca 50 m to the east-southeast.

Testing

No drill stem test was performed.

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
133	NORDLAND GP
673	UTSIRA FM
733	UNDIFFERENTIATED
812	HORDALAND GP
944	SKADE FM
964	UNDIFFERENTIATED
1076	NO FORMAL NAME
1139	UNDIFFERENTIATED
1236	NO FORMAL NAME
1374	UNDIFFERENTIATED

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

Document name	Document format	Document size [MB]
2355_30_9_17_COMPLETION_REPORT_AND_LOG	pdf	6.49

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DLL MSFL LSS LDL GR SP AMS	193	1402
MWD RGD - GR RES DIR	133	1408
USIT CBL VDL CCL GR AMS	130	1365

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	193.0	36	193.0	0.00	LOT
SURF.COND.	9 5/8	1399.0	12 1/2	1408.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
194	1.05			WATER BASED	06.03.1995
202	1.30	22.0	12.0	WATER BASED	14.03.1995
316	1.05			WATER BASED	06.03.1995
1408	1.05			WATER BASED	06.03.1995
1408	1.30			WATER BASED	14.03.1995
1408	1.30			WATER BASED	14.03.1995
1408	1.30	22.0	11.0	WATER BASED	14.03.1995
1408	1.30	22.0	11.0	WATER BASED	14.03.1995
1408	1.05			WATER BASED	07.03.1995
1408	1.30			WATER BASED	08.03.1995