

**General information**

Wellbore name	25/10-9
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	25/10-9
Seismic location	inline 636 & crossline 1495 ST9105 & ST 9304
Production licence	304
Drilling operator	Lundin Norway AS
Drill permit	1249-L
Drilling facility	SONGA DEE
Drilling days	49
Entered date	09.06.2009
Completed date	27.07.2009
Release date	27.07.2011
Publication date	27.07.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	117.0
Total depth (MD) [m RKB]	2985.0
Final vertical depth (TVD) [m RKB]	2984.0
Maximum inclination [°]	3.4
Bottom hole temperature [°C]	108
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	STATFJORD GP
Geodetic datum	ED50
NS degrees	59° 6' 34.67" N
EW degrees	2° 10' 7.8" E
NS UTM [m]	6552707.14
EW UTM [m]	452397.86
UTM zone	31
NPDID wellbore	6120



Wellbore history

General

Well 25/10-9 was drilled on the Aegis Prospect on the Gudrun Terrace on the western side of the Utsira High in the North Sea. The primary target was to test formations of Early Eocene age. The secondary targets were to test the reservoir potential of the Grid Formation; to test the hydrocarbon and reservoir potential of the lowermost part of the Shetland Group; and to test the hydrocarbon and reservoir potential of Late Jurassic sandstones.

Operations and results

Wildcat well 25/10-9 was spudded with the semi-submersible installation Songa Dee on 9 June 2009 and drilled to TD at 2985 m in the Early Jurassic Statfjord Formation. The well was drilled with seawater and hi-vis bentonite sweeps down to 1346 m and with Glydril drilling fluid from 1346 m to TD.

An extensive sequence of permeable sands and silts were penetrated, without returns to surface, in the upper part of the well. These included a thick Utsira Formation Package and the Grid Formation and were determined to be water filled based on resistivity data. No indications of gas or other hydrocarbons were seen. The well did not encounter any sandstones in the Early Eocene formations and thus the Aegis Prospect was unsuccessful due to lack of reservoir. The thickened Early Eocene sequence was proven, but consisted mainly of silty claystones interbedded with Limestone stringers. In the secondary targets, sandstones of varying quality were penetrated but all proved to be water bearing. The expected Late Jurassic sandstones were not present, however, Early to Middle Jurassic sandstones were found. These were also water bearing. The only visible hydrocarbon shows occurred in the tuff and sandstone interbeds within the Balder Formation. The density-neutron logs indicated some porosity in the sandstones and there was a slight increase in resistivity. However, little change in gas levels was observed. Only traces of visible hydrocarbon shows were recorded, these were described as: No staining, no odour, poor spotty pale cream direct fluorescence, slow diffuse weak blue white cut fluorescence, weak blue white residual fluorescence.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 27 July 2009 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]
1350.00	2983.00

Cuttings available for sampling?	YES
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**Lithostratigraphy**

Top depth [mMD RKB]	Lithostrat. unit
142	NORDLAND GP
574	UTSIRA FM
1077	HORDALAND GP
1077	SKADE FM
1145	NO FORMAL NAME
1504	GRID FM
1593	NO FORMAL NAME
2046	ROGALAND GP
2046	BALDER FM
2116	SELE FM
2189	LISTA FM
2310	HEIMDAL FM
2387	VÅLE FM
2484	SHETLAND GP
2484	EKOFISK FM
2583	TOR FM
2737	HOD FM
2785	BLODØKS FM
2856	CROMER KNOLL GP
2856	RØDBY FM
2886	VIKING GP
2886	DRAUPNE FM
2918	VESTLAND GP
2918	HUGIN FM
2961	STATFJORD GP

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MSCT GR ECRD	2479	2976
MWD LWD - GR RES DEN NEU SON PWD	1346	2985
MWD LWD - GR RES PWD DIR	142	1346
VSP ZO	626	2970
XPT GR ECRD	2458	2985

**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	221.0	36	223.0	0.00	LOT
PILOT HOLE		717.0	9 7/8	717.0	0.00	LOT
SURF.COND.	13 3/8	1204.0	17 1/2	1210.0	1.47	LOT
INTERM.	9 5/8	2458.0	12 1/4	2472.0	1.72	LOT
OPEN HOLE		2985.0	8 1/2	2985.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
162	1.50			Water	
227	1.50			Water	
794	1.30			Water	
794	1.05			Water	
794	1.05			Water	
1884	1.30			Water	
2085	1.34			Water	
2472	1.39			Water	
2985	1.25			Water	