General information

Wellbore name	9/2-11
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	9/2-11
Seismic location	inline 1659 & xline 7588
Production licence	316 DS
Drilling operator	Talisman Energy Norge AS
Drill permit	1299-L
Drilling facility	TRANSOCEAN WINNER
Drilling days	21
Entered date	09.03.2010
Completed date	29.03.2010
Release date	18.06.2010
Publication date	16.06.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	26.0
Water depth [m]	101.0
Total depth (MD) [m RKB]	2861.0
Final vertical depth (TVD) [m RKB]	2836.0
Maximum inclination [°]	16.6
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	BRYNE FM
Geodetic datum	ED50
NS degrees	57° 55' 21.46'' N
EW degrees	4° 33' 35.71'' E
NS UTM [m]	6421307.83
EW UTM [m]	592404.02
UTM zone	31
NPDID wellbore	6341

Wellbore history

General

The 9/2-11 Aubrey well was drilled ca 2 km north of the Yme Field in the Egersund Basin of the North Sea. The primary objective of the well was to test the hydrocarbon potential in sandstones of the Middle Jurassic Sandnes. The secondary objective was the potential upside in the underlying Middle Jurassic Bryne Formation. The well was drilled deviated in an S-shape to avoid drilling through an extensive fault zone vertically above the target.

Operations and results

Wildcat well 9/2-11was spudded with the semi-submersible installation Transocean Winner on 9 March 2010 and drilled to TD at 2861 m (2836 m TVD) in the Middle Jurassic Bryne Formation. The well was drilled with seawater and hi-vis sweeps down to 1509 m and with Enviromul oil based mud from 1509 m to TD.

Top of Cromer Knoll Group, the Sola Formation, came in at 1159 m, 92 m deep to prognosis. The reason for this is anticipated to be that the well crossed a normal fault just before entering sola, and that upper part of Sola is missing. The Formation below Sola, Åsgard Formation, was entered at prognosis. The Vestland Group came in at 2629 m. The reservoirs of both Sandnes and Bryne formations were of excellent quality as anticipated, but water wet. A coal layer was separating the shallow marine sands in Sandnes from the fluvial sands of Bryne, as expected. No oil shows were reported from the well.

No cores were cut. The well was logged on LWD/MWD. No wire line logs were run. No wire line fluid samples were taken.

The well was permanently abandoned on 29 March 2010 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]
1520.00	2861.00

Cuttings available for sampling?	YES

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
127	NORDLAND GP
453	HORDALAND GP

620	ROGALAND GP
620	BALDER FM
643	SELE FM
652	LISTA FM
665	VÅLE FM
671	SHETLAND GP
671	EKOFISK FM
745	TOR FM
880	HOD FM
1159	CROMER KNOLL GP
1159	SOLA FM
1233	ÅSGARD FM
2101	BOKNFJORD GP
2101	FLEKKEFJORD FM
2180	SAUDA FM
2492	TAU FM
2574	EGERSUND FM
2629	VESTLAND GP
2629	SANDNES FM
2761	BRYNE FM

Composite logs

Document name	Document format	Document size [MB]
6341_9_2_11	pdf	0.50

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - GR RES NEU DEN SON PWD	1509	2861
MWD LWD - GR RES PWD DIR	177	1055
MWD LWD - GR RES PWD DIR	1055	1509

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	175.0	36	177.0	0.00	LOT
INTERM.	9 5/8	1503.0	12 1/4	1509.0	2.16	LOT
OPEN HOLE		2861.0	8 1/2	2861.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
127	1.03			seawater	
1509	1.03			seawater	
2836	1.34			OBM	