

General information

Wellbore name	25/9-2 S
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	25/9-2
Seismic location	crossline 2842 & inline2988
Production licence	189
Drilling operator	Esso Exploration and Production Norway A/S
Drill permit	1056-L
Drilling facility	DEEPSEA TRYM
Drilling days	17
Entered date	18.07.2003
Completed date	03.08.2003
Release date	03.08.2005
Publication date	15.12.2006
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	122.0
Total depth (MD) [m RKB]	2250.0
Final vertical depth (TVD) [m RKB]	2139.0
Maximum inclination [°]	28
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	BURTON FM
Geodetic datum	ED50
NS degrees	59° 22' 56.26" N
EW degrees	2° 41' 46.89" E
NS UTM [m]	6582813.90
EW UTM [m]	482748.03
UTM zone	31
NPID wellbore	4735

Wellbore history

General

Wildcat well 25/9-2 S is located east of the Jotun and the Ringhorne fields and had the Middle Jurassic Brent reservoir in

a stratigraphic pinch-out trap as the primary target. Initial "Shallow Hazard Site Survey" indicated moderate probability of shallow gas. The surface location was therefore moved 490 m to an area showing low probability of shallow gas. The result was the need to drill a deviated well with maximum sail angle of 26.44 degrees. A 9 5/8" slim hole well design was chosen instead of a 13 3/8" surface casing design, based on earlier experience in the field, and due to no production testing planned for the well. In the deviated well path a potential shallow gas interval was identified pre-drill, by a seismic amplitude anomaly at approximately 930 m.

Operations and results

Well 25/9-2 S was spudded with the semi-submersible installation Deepsea Trym on 18 July 2003 and drilled to TD at 2250 m in the Early Jurassic Burton Formation. The shallow section at 930 m was drilled with a 9 7/8" pilot hole. No shallow gas was encountered. The well was drilled with seawater and hi-vis sweeps down to 1055 m and with Versavert oil based mud from 1055 m to TD.

A thin water-wet sand of Callovian age (Hugin Formation) was encountered at 2183 m. The Brent reservoir was not present as prognosed and no hydrocarbons were identified. MWD was the only logging program run in the well. No coring, wire line logging, or fluid sampling was performed in the well as no hydrocarbon sand was encountered.

The well was permanently abandoned on 3 August 2003 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]
1060.00	2250.00
Cuttings available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1200.0	[m]	DC	RRI
1330.0	[m]	DC	RRI
1460.0	[m]	DC	RRI
1570.0	[m]	DC	RRI

1680.0	[m]	DC	RRI
1810.0	[m]	DC	RRI
1850.0	[m]	DC	RRI
1930.0	[m]	DC	RRI
1980.0	[m]	DC	RRI
2020.0	[m]	DC	RRI
2040.0	[m]	DC	RRI
2050.0	[m]	DC	RRI
2070.0	[m]	DC	RRI
2110.0	[m]	DC	RRI
2121.0	[m]	DC	RRI
2142.0	[m]	DC	RRI
2151.0	[m]	DC	RRI
2160.0	[m]	DC	RRI
2166.0	[m]	DC	RRI
2172.0	[m]	DC	RRI
2178.0	[m]	DC	RRI
2184.0	[m]	DC	RRI
2196.0	[m]	DC	RRI
2202.0	[m]	DC	RRI
2208.0	[m]	DC	RRI
2220.0	[m]	DC	RRI
2241.0	[m]	DC	RRI

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
147	NORDLAND GP
714	UTSIRA FM
1002	HORDALAND GP
1832	ROGALAND GP
1832	BALDER FM
1923	LISTA FM
1975	SELE FM
2025	VÅLE FM
2036	SHETLAND GP
2036	TOR FM
2050	TRYGGVASON FM
2067	SVARTE FM

2110	CROMER KNOLL GP
2110	RØDBY FM
2153	MIME FM
2163	VIKING GP
2163	DRAUPNE FM
2173	HEATHER FM
2183	VESTLAND GP
2183	HUGIN FM
2190	DUNLIN GP
2190	BURTON FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - GR RES DENS NEUT	1057	2250
MWD - GR RES DIR	223	1057

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	218.0	36	223.0	0.00	LOT
SURF.COND.	9 5/8	1051.0	12 1/4	1055.0	1.65	LOT
OPEN HOLE		2250.0	8 1/2	2250.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
482	0.00			WBM	
1057	1.00			OBM	
1189	1.39	35.0		OBM	
2250	0.00			NAF	