



General information

Wellbore name	7228/1-1
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Well name	7228/1-1
Seismic location	Survey BG0804.inline 1949 & xline 2736
Production licence	396
Drilling operator	Norwegian Energy Company ASA
Drill permit	1397-L
Drilling facility	TRANSOCEAN BARENTS
Drilling days	29
Entered date	29.03.2012
Completed date	26.04.2012
Release date	15.03.2013
Publication date	15.03.2013
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	40.0
Water depth [m]	351.0
Total depth (MD) [m RKB]	1714.0
Final vertical depth (TVD) [m RKB]	1711.5
Maximum inclination [°]	7.9
Oldest penetrated age	MIDDLE TRIASSIC
Oldest penetrated formation	KOBBE FM
Geodetic datum	ED50
NS degrees	72° 51' 0.92" N
EW degrees	28° 18' 55.19" E
NS UTM [m]	8084472.59
EW UTM [m]	543289.80
UTM zone	35
NPDID wellbore	6820



Wellbore history

General

Well 7228/1-1 was drilled on the Eik Prospect in the Barents Sea on the eastern border of the Bjarmeland Platform. The Eik prospect is a salt-induced structure located close to the northern part of the Nyslepp Fault Complex, which separates the Bjarmeland Platform from the Nordkapp Basin. The main target was the Early Jurassic - Late Triassic sandstones contained in the Kapp Toscana Group. Secondary Targets were Late Triassic Intra-Snadd Formation sandstone and sandstones in the Middle Triassic Kobbe Formation.

Operations and results

Wildcat well 7228/1-1 was spudded with the semi-submersible installation Transocean Barents on 29 March 2012 and drilled to TD at 1714 m in the Middle Triassic Kobbe Formation. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis pills down to 755 m and with Glydril mud from 755 m to TD.

Good quality reservoir sandstones were found in the Kapp Toscana Group (Nordmela, Tubåen, and Fruholmen formations); 100 m net reservoir in total. The Intra Snadd sand secondary target had 32 m of net reservoir with very good porosities. Only poor reservoir intervals were found within the Kobbe Formation, with low net to gross values and low porosities. None of the reservoir intervals were hydrocarbon-bearing. Weak Shows were reported from cuttings evaluation over Tubåen and Fruholmen sands from 976 m to 1092 m. The shows were described as fair spotty yellow direct fluorescence, very slow dull blue white fluorescence cut, no visible cut and fair dull blue white residual ring. No shows were observed below Fruholmen Formation. No bottom hole temperature at final TD is given on the fact pages, due to no reliable downhole temperature obtained.

No cores were cut. A dry case wire line logging program was performed. No wire line fluid samples were taken.

The well was permanently abandoned on 26 April 2012 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]
765.00	1714.00

Cuttings available for sampling?	YES
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Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
391	NORDLAND GP
391	UNDIFFERENTIATED
416	ADVENTDALEN GP
416	KOLMULE FM
843	KNURR FM
881	HEKKINGEN FM
928	FUGLEN FM
967	KAPP TOSCANA GP
967	NORDMELA FM
974	TUBÅEN FM
1034	FRUHOLMEN FM
1137	SNADD FM
1513	SASSENDALLEN GP
1513	KOBBE FM

Geochemical information

Document name	Document format	Document size [MB]
6820 01 7228 1 1 gch transfer 1	txt	0.00
6820 02 7228 1 1 gch results 1	txt	0.02

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - DIR INC	392	459
MWD - GR RES SON DEN NEU	459	1714
PEX HRLA MSIP XPT	840	1713
PEX MSIP PPC GPIT EDTC	742	887
VSI	490	1690

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	455.0	36	459.0	0.00	LOT
SURF.COND.	13 3/8	749.0	17 1/2	755.0	0.00	LOT





PILOT HOLE		755.0	9 7/8	755.0	0.00	LOT
INTERM.	9 5/8	884.0	12 1/4	889.0	1.45	LOT
OPEN HOLE		1714.0	8 1/2	1714.0	1.64	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
400	1.02	21.0		SW/Bentonite Sweeps	
450	1.02	20.0		SW/Bentonite Sweeps	
458	1.39	20.0		Bentonite	
755	1.24	23.0		Glydril	
788	1.24	18.0		Glydril	
889	1.24	19.0		Glydril	
1185	1.29	19.0		Glydril	
1591	1.29	20.0		Glydril	
1714	1.29	19.0		Glydril	

Pressure plots

The pore pressure data is sourced from well logs if no other source is specified. In some wells where pore pressure logs do not exist, information from Drill stem tests and kicks have been used. The data has been reported to the NPD, and further processed and quality controlled by IHS Markit.

Document name	Document format	Document size [MB]
6820 Formation pressure (Formasjonstrykk)	pdf	0.17

