

**General information**

Wellbore name	36/7-3
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	36/7-3
Seismic location	NH 0069.204/Nh 0069-402
Production licence	153
Drilling operator	Norsk Hydro Produksjon AS
Drill permit	1020-L
Drilling facility	TRANSOCEAN ARCTIC
Drilling days	26
Entered date	12.12.2001
Completed date	06.01.2002
Release date	06.01.2004
Publication date	18.03.2004
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	24.0
Water depth [m]	349.0
Total depth (MD) [m RKB]	2948.0
Final vertical depth (TVD) [m RKB]	2946.8
Maximum inclination [°]	2.6
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	HEATHER FM
Geodetic datum	ED50
NS degrees	61° 25' 33.12" N
EW degrees	4° 2' 59.61" E
NS UTM [m]	6810837.00
EW UTM [m]	556023.58
UTM zone	31
NPDID wellbore	4427



Wellbore history

General

Well 36/7-3 was drilled to investigate the Hydrocarbon-potential in the Cretaceous on the Hordaplattform northeast of the 35/9-1 Gjøa discovery. The main objective was the C3-E prospect in the Agat formation of the lower Cretaceous. Secondary objectives were the Upper Cretaceous Kyrre formation and the C4 interval with in the Åsgard formation. All objectives were stratigraphic traps.

Operations:

The well was spudded from the semi-submersible rig Transocean Arctic 12 December 2001 and reached TD of 2948 m in the Heather formation 31 December 2001. Rig operations were terminated 7 January 2002.

The well confirmed the reservoir models for all targets: the Agat formation comprised 100m/68m sand gross/net respectively, with average porosity 19%. The Kyrre formation contained two thin sand layers 9 m and 11 m (8.5 m and 7 m net sand) with average porosity 26%, the C4 unit of the Åsgard formation contained a 29 m thick sandstone layer (10 m net sand), with average porosity 15%. None of the three targets contained economical amounts of hydrocarbons - and are regarded as dry. The Kyrre and Agat formation sands were water bearing supposedly due to failure in either up-dip reservoir pinch out or migration concepts. The migration concept is questioned, as there are no signs of migrated hydrocarbons. Analysed samples from inclusions and the mud fraction show only traces of in-situ generated hydrocarbons from terrigenous source rocks.

MWD was run through the whole well. An LWD suite comprising GR, resistivity, density, neutron and sonic was run below 1348m (below 13 3/8" casing)

No wire line logs, VSP or MDT-sampling was collected in the well. No cores or sidewall-cores were cut.

The well was permanently abandoned as a dry well 6 January 2002.

Testing:

No drill stem test was performed

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
585.00	2943.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
373	NORDLAND GP



602	ROGALAND GP
602	SELE FM
692	NO FORMAL NAME
702	SELE FM
745	NO FORMAL NAME
754	SELE FM
800	LISTA FM
1249	SHETLAND GP
1249	JORSALFARE FM
1304	KYRRE FM
1843	NO FORMAL NAME
1855	KYRRE FM
2264	BLODØKS FM
2290	SVARTE FM
2515	CROMER KNOLL GP
2515	RØDBY FM
2555	AGAT FM
2632	RØDBY FM
2700	ÅSGARD FM
2767	NO FORMAL NAME
2796	ÅSGARD FM
2854	VIKING GP
2854	DRAUPNE FM
2907	HEATHER FM

Composite logs

Document name	Document format	Document size [MB]
4427	pdf	0.37

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

Document name	Document format	Document size [MB]
4427 36 7 3 COMLPETION REPORT	.PDF	5.00
4427 36 7 3 COMPLETION LOG	.PDF	4.33



**Logs**

Log type	Log top depth [m]	Log bottom depth [m]
MWD - CDR	577	1355
MWD - CDR ADN ISONIC	1355	2948
MWD - DIR	373	577

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	445.0	36	445.0	0.00	LOT
SURF.COND.	20	572.0	26	577.0	1.39	LOT
INTERM.	13 3/8	1348.0	17 1/2	1355.0	1.52	LOT
INTERM.	9 5/8	2948.0	12 1/2	2948.0	1.55	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
385	1.03			WATER BASED	
388	1.16	17.0		WATER BASED	
445	1.50			WATER BASED	
577	1.50			WATER BASED	
663	1.13	9.0		WATER BASED	
1267	1.16	14.0		WATER BASED	
1330	1.20	13.0		WATER BASED	
2069	1.20	13.0		WATER BASED	
2357	1.16	13.0		WATER BASED	
2823	1.16	18.0		WATER BASED	
2948	1.16	17.0		WATER BASED	