



General information





Wellbore name	30/5-3 A
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Discovery	30/5-3 A
Well name	30/5-3
Seismic location	NH05M01-inline 3230 & xline 10226
Production licence	309
Drilling operator	StatoilHydro Petroleum AS
Drill permit	1233-L
Drilling facility	TRANSOCEAN WINNER
Drilling days	46
Entered date	15.04.2009
Completed date	30.05.2009
Release date	30.05.2011
Publication date	30.05.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	GAS
Discovery wellbore	YES
1st level with HC, age	LATE JURASSIC
1st level with HC, formation	INTRA DRAUPNE FM SS
Kelly bushing elevation [m]	26.0
Water depth [m]	113.5
Total depth (MD) [m RKB]	4746.0
Final vertical depth (TVD) [m RKB]	3990.3
Maximum inclination [°]	44.6
Oldest penetrated age	LATE JURASSIC
Oldest penetrated formation	INTRA DRAUPNE FM SS
Geodetic datum	ED50
NS degrees	60° 39' 26.2" N
EW degrees	2° 39' 33.2" E
NS UTM [m]	6724821.34
EW UTM [m]	481369.63
UTM zone	31
NPDID wellbore	6055



Wellbore history

General

Well 30/5-3 A is a sidetrack from well 30/5-3 S on the Corvus prospect in the northern part of the Viking Graben at the edge of the Horda Platform in the Northern North Sea. The objective of the sidetrack 30/3-5 S was to evaluate a Cretaceous play to the west of the Corvus main fault and to collect sufficient data to be able to make development plans based on this data.

Operations and results

Wildcat well 30/5-3 A was kicked off from 1008 m in 30/5-3 S on 15 April 2009. It was drilled with the semi-submersible installation Transocean Winner to TD at 4746 m (3990.3 m TVD) in the Late Jurassic Draupne Formation. No significant problem was encountered in the operations. The well was drilled with Versatec oil based mud from kick-off to TD.

The well penetrated rocks of Tertiary, Cretaceous and Jurassic age. The well proved an absence of reservoir sands in the Cretaceous, but revealed hydrocarbon bearing sands within the Draupne Formation. LWD logs validated the existence of hydrocarbons in this prospect.

No oil shows were reported from the well.

No cores were cut. The poor quality of the wire line logs proved to be of less value when evaluating the prospect. MDT fluid sampling was attempted at 4706.5 m. Repeated tool failures resulted in insufficient cleanup and a very contaminated sample of poor quality; however the sample confirmed light hydrocarbons at that depth. Large Diameter probe was used for the fluid sampling.

The well was permanently abandoned on 30 May 2009 as a gas discovery.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
1020.00	4746.00

Cuttings available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
4635.0	[m]	DC	PETROSTR
4641.0	[m]	DC	PETROS
4647.0	[m]	DC	PETROS



4653.0	[m]	DC	PETROS
4659.0	[m]	DC	PETROS
4665.0	[m]	DC	PETROS
4671.0	[m]	DC	PETROS
4677.0	[m]	DC	PETROS
4683.0	[m]	DC	PETROS
4689.0	[m]	DC	PETROS
4695.0	[m]	DC	PETROS
4701.0	[m]	DC	PETROS
4707.0	[m]	DC	PETROS
4713.0	[m]	DC	PETROS
4719.0	[m]	DC	PETROS
4725.0	[m]	DC	PETROS
4731.0	[m]	DC	PETROS
4737.0	[m]	DC	PETROS
4743.0	[m]	DC	PETROS
4746.0	[m]	DC	PETROS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
139	NORDLAND GP
678	UTSIRA FM
904	HORDALAND GP
1339	SKADE FM
1394	NO FORMAL NAME
2159	ROGALAND GP
2159	BALDER FM
2281	SELE FM
2407	LISTA FM
2584	SHETLAND GP
2584	JORSALFARE FM
3368	KYRRE FM
4090	TRYGGVASON FM
4391	BLODØKS FM
4404	SVARTE FM
4560	CROMER KNOLL GP
4560	RØDBY FM
4606	SOLA FM



4650	VIKING GP
4650	DRAUPNE FM
4704	INTRA DRAUPNE FM SS

Logs

Log type	Log top depth [m]	Log bottom depth [m]
DSI PEX	2581	4105
MDT GR	4706	4715
MDT GR-TLC	4705	4706
MDT GR-TLC	4706	4706
MSCT GR	4687	4735
MWD - ARCVRES9 POWERPULSE	1086	4098
MWD - GVR6 TELE ARCVRES6 VADN6	4098	4746
MWD - POWERPULSE	1008	1087
VIVSP	1135	4000
VIVSP	3950	4259
WAVSP	3115	3640

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
INTERM.	14	2578.0	17 1/2	2596.0	1.78	LOT
INTERM.	9 5/8	4098.0	12 1/4	4098.0	2.00	LOT
OPEN HOLE		4746.0	8 1/2	4746.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1183	1.39	36.0		Versatec	
1340	1.39	39.0		Versatec	
1420	1.40	39.0		Versatec	
1717	1.41	39.0		Versatec	
2135	1.48	42.0		Versatec	
2560	1.52	59.0		Versatec	
2596	1.50	53.0		Versatec	



2824	1.51	59.0		Versatec	
3411	1.50	62.0		Versatec	
4098	1.63	66.0		Versatec	
4098	1.52	58.0		Versatec	
4147	1.70	55.0		Versatec	
4568	1.80	60.0		Versatec	
4746	1.86	64.0		Versatec	
4746	1.86	71.0		Versatec	