

**General information**

Wellbore name	6407/7-8 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORWEGIAN SEA
Discovery	6407/7-8 (Noatun)
Well name	6407/7-8
Seismic location	3D survey NH9806M-line 1366 & trace 2881
Production licence	107
Drilling operator	StatoilHydro Petroleum AS
Drill permit	1205-L
Drilling facility	WEST ALPHA
Drilling days	52
Entered date	14.09.2008
Completed date	05.11.2008
Release date	05.11.2010
Publication date	05.11.2010
Purpose - planned	APPRAISAL
Reentry	NO
Content	GAS/CONDENSATE
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	FANGST GP
2nd level with HC, age	EARLY JURASSIC
2nd level with HC, formation	BÅT GP
Kelly bushing elevation [m]	18.0
Water depth [m]	293.0
Total depth (MD) [m RKB]	5227.0
Final vertical depth (TVD) [m RKB]	5068.0
Maximum inclination [°]	33.3
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	ÅRE FM
Geodetic datum	ED50
NS degrees	64° 25' 49.3" N
EW degrees	7° 7' 38.5" E



NS UTM [m]	7146478.78
EW UTM [m]	409822.02
UTM zone	32
NPDID wellbore	5953

Wellbore history

General

The 6407/7-8 A is a sidetrack to the 6407/7-8 Noatun well, which discovered gas/condensate in the Fangst and Båt Groups. The well is located in the Gimsan Basin, ca 15 km north of the Njord Field in the Norwegian Sea. The main objective of the sidetrack well was to prove economical hydrocarbon volumes in the structure and, if possible, to define the hydrocarbon/water contact.

Operations and results

Well 6407/7-8 A was sidetracked from the main well on 14 September 2008 with a kick-off point at 3900 m. It was drilled from the semi-submersible installation West Alpha to TD at 5227 m (5067.7 m TVD) in the Early Jurassic Åre Formation. The well was drilled with Versatherm oil based mud from kick-off to TD.

The well confirmed gas condensate in the Fangst and Båt Groups as in the main well. No hydrocarbon/water contact was encountered. Gas readings were high in the Spekk Formation and in the reservoir sections as in the main well. No oil shows were recorded.

No cores were cut and no wire line fluid samples were taken.

The well was permanently abandoned on 5 November 2008 as a gas/condensate appraisal well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
3910.00	5226.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
311	NORDLAND GP
457	NAUST FM



1212	KAI FM
1368	HORDALAND GP
1368	BRYGGE FM
1997	ROGALAND GP
1997	TARE FM
2132	TANG FM
2210	SHETLAND GP
2210	SPRINGAR FM
2362	NISE FM
2566	KVITNOS FM
2840	CROMER KNOLL GP
2840	LYSING FM
3119	LANGE FM
4005	LYR FM
4118	VIKING GP
4118	SPEKK FM
4188	MELKE FM
4372	FANGST GP
4372	GARN FM
4482	NOT FM
4533	ILE FM
4662	BÅT GP
4662	ROR FM
4721	TOFTE FM
4730	ROR FM
4896	TILJE FM
5145	ÅRE FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
HILDS HAPS ECS HNGS GR	3890	5213
HIT DSI GR	3891	5209
MDT GR	5179	5196
MWD - GR RES ECD DIR	3917	5227

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
OPEN HOLE		5227.0	8 1/2	5227.0	1.90	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
3930	1.58	46.0		Versatherm	
3950	1.58	49.0		Versatherm	
4000	1.58	48.0		Versatherm	
4093	1.58	48.0		Versatherm	
4245	1.60	51.0		Versatherm	
4315	1.64	53.0		Versatherm	
4445	1.65	55.0		Versatherm	
4550	1.67	56.0		Versatherm	
4607	1.68	56.0		Versatherm	
4774	1.72	60.0		Versatherm	
4830	1.72	61.0		Versatherm	
4966	1.72	62.0		Versatherm	
5005	1.72	61.0		Versatherm	
5031	1.72	59.0		Paratherm	
5078	1.72	59.0		Versatherm	
5138	1.72	61.0		Versatherm	
5227	1.76	73.0		Versatherm	

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.

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