

**General information**

Wellbore name	15/6-9 A
Type	EXPLORATION
Purpose	APPRAISAL
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Field	GINA KROG
Discovery	15/5-1 Gina Krog
Well name	15/6-9
Seismic location	ST04M01-Inline 2886 & Crossline 5000
Production licence	303
Drilling operator	Statoil ASA (old)
Drill permit	1146-L
Drilling facility	WEST EPSILON
Drilling days	19
Entered date	26.05.2007
Completed date	13.06.2007
Release date	13.06.2009
Publication date	13.06.2009
Purpose - planned	APPRAISAL
Reentry	NO
Content	GAS/CONDENSATE
Discovery wellbore	NO
1st level with HC, age	MIDDLE JURASSIC
1st level with HC, formation	HUGIN FM
Kelly bushing elevation [m]	48.0
Water depth [m]	113.0
Total depth (MD) [m RKB]	3690.0
Final vertical depth (TVD) [m RKB]	3629.0
Maximum inclination [°]	27.8
Bottom hole temperature [°C]	119
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SKAGERRAK FM
Geodetic datum	ED50
NS degrees	58° 35' 13.71" N
EW degrees	1° 44' 34.87" E
NS UTM [m]	6494914.51



EW UTM [m]	426920.01
UTM zone	31
NPDID wellbore	5566

Wellbore history

General

Well 15/6-9 A is a sidetrack to well 15/6-9 S on the Ermintrude prospect west of the Dagny discovery in the southern Viking Graben. The main objective of the side track was to prove communication between the Dagny discovery and the Ermintrude structure, and to prove gas up dip of the oil leg discovered in the Hugin Formation in 15/6-9 S.

Operations and results

Well 15/6-9 A was drilled with the jack-up installation West Epsilon. It was sidetracked from the 15/6-9 S well at 2911 m. The well was drilled deviated to a total depth of 3690 m, 26 m into the Triassic Skagerrak Formation. It was drilled with a KCl/Polymer/Glycol mud system.

The MDT results concluded with gas condensate in a gas-down-to situation. A plot of the MDT pressure data for 15/6-9 A and 15/6-9 S give oil and gas gradients that intersect to give a gas-oil contact at approximately 3641 m TVD MSL.

No conventional cores were cut and no sidewall cores were retrieved from the 15/6-9 A well. High quality condensate samples were acquired at 3587.5 m in the Hugin Formation.

Well 15/6-9 A was plugged back to 2786 m on 26 May 2007. It is classified as a gas condensate appraisal well. The geologic sidetrack 15/6-9 B was kicked off on the same day in order to find the oil-water contact.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
2910.00	3688.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
161	NORDLAND GP
792	UTSIRA FM



1025	HORDALAND GP
1169	SKADE FM
1189	NO FORMAL NAME
1857	GRID FM
2020	NO FORMAL NAME
2226	ROGALAND GP
2226	BALDER FM
2268	SELE FM
2321	LISTA FM
2352	HEIMDAL FM
2735	VÅLE FM
2798	SHETLAND GP
2798	EKOFISK FM
2850	TOR FM
3138	HOD FM
3354	CROMER KNOLL GP
3354	RØDBY FM
3487	VIKING GP
3487	DRAUPNE FM
3518	HEATHER FM
3570	VESTLAND GP
3570	HUGIN FM
3631	SLEIPNER FM
3666	NO GROUP DEFINED
3666	SKAGERRAK FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MDT TLC	3587	3626
MWD - MOTOR	2902	2925
MWD - POWER DRIVE ECOSCOPE SONIC	2925	3690
USIT CBL	610	1000

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		3690.0	8 1/2	3690.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2786	1.48	27.0		KCL/POLYMER/GLY COL	
3083	1.46	19.0		KCL/POLYMER/GLY COL	
3308	1.46	22.0		KCL/POLYMER/GLY COL	
3567	1.48	24.0		KCL/POLYMER/GLY COL	
3587	1.48	26.0		KCL/POLYMER/GLY COL	

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]
5566 Formation pressure (Formasjonstrykk)	pdf	0.22

