

**General information**

Wellbore name	15/6-9 B
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	1148-L
Drilling facility	WEST EPSILON
Drilling days	41
Entered date	13.06.2007
Completed date	23.07.2007
Release date	23.07.2009
Publication date	23.07.2009
Purpose - planned	APPRAISAL
Reentry	NO
Content	OIL
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]	4010.0
Final vertical depth (TVD) [m RKB]	3915.0
Maximum inclination [°]	32.6
Bottom hole temperature [°C]	125
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	SLEIPNER 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	5571

Wellbore history

General

Well 15/6-9 B is a sidetrack to well 15/6-9 S on the Ermintrude prospect west of the Dagny discovery in the southern Viking Graben. It was drilled down dip on the structure compared to 15/6-9 S. The primary objective was to prove a possible oil water contact below 3714 m TVD MSL, and test the spill point depth of the Ermintrude and Dagny structures.

Operations and results

Well 15/6-9 B was drilled with the jack-up installation West Epsilon. It was sidetracked from the 15/6-9 S well at 2824 m on 13 June 2007 and drilled deviated to a total depth of 4010 m driller's depth, 63 m into the Sleipner Formation. It was drilled with a low-sulphate KCl/Polymer/Glycol mud system.

The MDT results and wire line logs proved light oil in an oil-down-to at ca 3948 m (3805 m TVD MSL). The MDT results and wire line logs from all three wells 15/6-9 S, 15/6-9 A and 15/6-9 B give gas/condensate up to 3485 m TVD MSL, a GOC at approximately 3641 m, and a minimum of 164 m TVD oil column below the gas.

No conventional cores were cut and only two sidewall cores were recovered from the 15/6-9 B well. High quality oil samples were acquired at 3935 m in the Hugin Formation.

Well 15/6-9 B was permanently abandoned on 23 July 2007 as an oil 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]
2830.00	4010.50

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
3134	HOD FM
3420	CROMER KNOLL GP
3420	RØDBY FM
3582	VIKING GP
3582	DRAUPNE FM
3776	HEATHER FM
3900	VESTLAND GP
3900	HUGIN FM
3950	SLEIPNER FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MDT	793	793
MDT	2898	3944
MDT	3935	3935
MSCT	3280	3280
MSCT	3943	3943
MWD - MOTOR	2796	2852
MWD - POWERDRIVE RCOSCOPE SONIC	2852	4010
PERF	793	793

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		4010.0	8 1/2	4010.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2836	1.48	23.0		KCL/POLYMER/GLY COL	
2852	1.46	19.0		KCL/POLYMER/GLY COL	
2898	1.46	30.0		KCL/POLYMER/GLY COL	
2907	1.46	17.0		KCL/POLYMER/GLY COL	
3000	1.35	13.0		KCL/POLYMER/GLY COL	
3000	1.46	24.0		KCL/POLYMER/GLY COL	
3151	1.46	18.0		KCL/POLYMER/GLY COL	
3379	1.46	22.0		KCL/POLYMER/GLY COL	
3456	1.46	22.0		KCL/POLYMER/GLY COL	
3926	1.46	26.0		KCL/POLYMER/GLY COL	
4010	1.46	28.0		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]
5571 Formation pressure (Formasjonstrykk)	PDF	0.22

