

**General information**

Wellbore name	15/6-13 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
Discovery	15/6-13
Well name	15/6-13
Seismic location	ST0730Z09 xline 1941 & inline 1585
Production licence	029 B
Drilling operator	Statoil Petroleum AS
Drill permit	1569-L
Drilling facility	SONGA TRYM
Drilling days	19
Entered date	30.05.2015
Completed date	03.06.2015
Release date	03.06.2017
Publication date	03.06.2017
Purpose - planned	APPRAISAL
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	114.0
Total depth (MD) [m RKB]	3925.0
Final vertical depth (TVD) [m RKB]	3741.0
Maximum inclination [°]	30.2
Oldest penetrated age	LATE TRIASSIC
Oldest penetrated formation	SKAGERRAK FM
Geodetic datum	ED50
NS degrees	58° 36' 55.48" N
EW degrees	1° 45' 40.58" E
NS UTM [m]	6498042.20
EW UTM [m]	428039.23
UTM zone	31
NPDID wellbore	7668



Wellbore history

General

Well 15/6-13 A is a geological sidetrack to well 15/6-13 on the south end of the Gudrun Terrace in the North Sea. It was drilled to delineate the Gina Krog East-3 oil discovery made by the main well. The objective was to test the down-flank potential of the Gina Krog east-3 structure.

Operations and results

Appraisal well 15/6-13 A was kicked off at 2141 m in the main wellbore on 16 May 2015. It was drilled with the semi-submersible installation Songa Trym to TD at 3925 m (3741 m TVD) in the Late Triassic Skagerrak Formation. No significant problem was encountered in the operations. The well was drilled with EMS4400 oil based mud from kick-off to TD.

Well 15/6-13 A encountered seven and nine metres of sandstone with moderate reservoir quality in the Hugin and Sleipner formations. Both were water bearing. They were not in pressure communication with each other, but the Hugin Formation sandstone is presumed to be in pressure communication with the oil zone in 15/6-13. Petrophysical interpretation indicated hydrocarbons in the Skagerrak Formation, but no pressure data were acquired to confirm this. No oil shows were recorded in the well.

No cores were cut. MDT water samples were taken at 3812 m.

The well was permanently abandoned on 30 May 2015 as a dry well.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
2150.00	3925.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
139	NORDLAND GP
139	UNDIFFERENTIATED
764	UTSIRA FM
995	HORDALAND GP
995	UNDIFFERENTIATED



1096	NO FORMAL NAME
1101	UNDIFFERENTIATED
1262	SKADE FM
1295	UNDIFFERENTIATED
1725	GRID FM
1988	UNDIFFERENTIATED
2186	ROGALAND GP
2186	BALDER FM
2225	SELE FM
2282	LISTA FM
2321	HEIMDAL FM
2580	VÅLE FM
2596	TY FM
2737	SHETLAND GP
2737	EKOFISK FM
2800	TOR FM
3149	HOD FM
3563	HIDRA FM
3603	CROMER KNOLL GP
3603	RØDBY FM
3673	VIKING GP
3673	DRAUPNE FM
3785	HEATHER FM
3808	VESTLAND GP
3808	HUGIN FM
3817	SLEIPNER FM
3860	HEGRE GP
3860	SKAGERRAK FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
AIT MSIP PEX ECS HNGS	3450	3940
CMR MDT	3790	3865
MWD - TELE ARC	2132	3925

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	188.0	36	189.0	0.00	
SURF.COND.	20	1026.0	26	1033.5	1.39	FIT
		2141.0		2141.0	1.59	FIT
LINER	9 5/8	3449.0	12 1/4	3450.0	1.75	FIT
OPEN HOLE		3925.0	8 1/2	3925.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
2067	1.41	25.0		EMS 4400	
2076	1.42	20.0		EMS 4400	
2383	1.39	20.0		EMS 4400	
2751	1.40	22.0		EMS 4400	
3168	1.46	27.0		EMS 4400	
3345	1.43	22.0		EMS 4400	
3450	1.53	27.0		EMS 4400	
3467	1.58	39.0		EMS 4400	
3633	1.58	28.0		EMS 4400	
3925	1.58	33.0		EMS 4400	