

**General information**

Wellbore name	15/6-2
Type	EXPLORATION
Purpose	APPRAISAL
Status	SUSPENDED
Factmaps in new window	link to map
Main area	NORTH SEA
Field	GINA KROG
Discovery	15/5-1 Gina Krog
Well name	15/6-2
Seismic location	SC 23 SP.7490
Production licence	029
Drilling operator	Esso Exploration and Production Norway A/S
Drill permit	62-L
Drilling facility	GLOMAR GRAND ISLE
Drilling days	48
Entered date	09.09.1971
Completed date	26.10.1971
Release date	26.10.1973
Publication date	24.09.2015
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	9.0
Water depth [m]	115.0
Total depth (MD) [m RKB]	3131.0
Bottom hole temperature [°C]	100
Oldest penetrated age	LATE CRETACEOUS
Oldest penetrated formation	SHETLAND GP
Geodetic datum	ED50
NS degrees	58° 32' 47.58" N
EW degrees	1° 41' 54.09" E
NS UTM [m]	6490444.74
EW UTM [m]	424236.03
UTM zone	31
NPDID wellbore	317



Wellbore history

General

Well 15/6-2 was drilled in the Ve Sub-basin in the North Sea, ca 5 km north of the Sleipner Field. It is the replacement well for 15/6-1, which was junked for technical reasons. The objective was to evaluate a deep-seated structure in the Scottish-Norwegian Graben. The target was Eocene to Paleocene sandstones.

Operations and results

Wildcat well 15/6-2 was spudded with the drill vessel on 9 September 1971 and drilled to TD at 3131 m in the Shetland Group. No drilling problems were encountered, however, due to deviation problems around 1311 m a planned FIT was aborted, as the tool would not go beyond this depth. Initial drilling from the sea floor to 1330 m was with seawater and gel. Below 1330 m, a fresh water Spersene XP-20 mud system was used.

The Paleocene section contained abundant potential sandstone reservoirs (Heimdal Formation) with thin beds of clay becoming marly below 2390. Significant shows were encountered in the interval 2223 to 2236 m in the upper Heimdal Formation. The cuttings, sidewall and conventional cores corroborated the shows. Weak shows were recorded also on numerous sidewall cores between 2303 and 2604 m. However, other evidence did not substantiate these shows and the reservoir was assumed water wet below 2236 m. The Danian (2676 to 2735 m, Våle Formation) consisted of a sequence of thinly interbedded sandstones, clays, shales and chalky limestones. No shows were reported in this section. The Late Cretaceous section, from 2735 m to 3106 m, was predominantly limestone with thin interbeds of shale. Thin interbeds of sandstone were also noted. There were no shows in the Late Cretaceous.

Three cores were cut. Core 1 was cut from 2236 to 2242 m with 100% recovery, core 2 was cut from 2336.6 to 2343.9 m with 42% recovery, and core 3 was cut from 2695.3 to 2699.3 m with 46% recovery. No fluid samples were taken.

The well was suspended on 26 October 1971 as a well with shows.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
377.95	4779.26

Cuttings available for sampling?	YES
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Cores at the Norwegian Offshore Directorate



Core sample number	Core sample - top depth	Core sample - bottom depth	Core sample depth - uom
1	7336.0	7356.0	[ft]
2	7666.0	7670.0	[ft]
3	8843.0	8849.0	[ft]

Total core sample length [m]	9.1
Cores available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1.0	[ft]	DC	
2.0	[ft]	DC	
3.0	[ft]	DC	
4.0	[ft]	DC	
5.0	[ft]	DC	
6.0	[ft]	DC	
7.0	[ft]	DC	
4100.0	[ft]	DC	
4200.0	[ft]	DC	
4250.0	[ft]	DC	
4300.0	[ft]	DC	
4360.0	[ft]	DC	
4390.0	[ft]	DC	
4510.0	[ft]	DC	
4600.0	[ft]	DC	
4690.0	[ft]	DC	
4780.0	[ft]	DC	
4900.0	[ft]	DC	
4990.0	[ft]	DC	
5110.0	[ft]	DC	
5200.0	[ft]	DC	
5290.0	[ft]	DC	
5410.0	[ft]	DC	
5500.0	[ft]	DC	
5590.0	[ft]	DC	
5680.0	[ft]	DC	
5740.0	[ft]	SWC	
5785.0	[ft]	SWC	



5800.0	[ft]	DC	
5920.0	[ft]	DC	
6010.0	[ft]	DC	
6030.0	[ft]	SWC	
6100.0	[ft]	DC	
6155.0	[ft]	SWC	
6190.0	[ft]	DC	
6215.0	[ft]	SWC	
6280.0	[ft]	DC	
6400.0	[ft]	DC	
6490.0	[ft]	DC	
6500.0	[ft]	SWC	
6545.0	[ft]	SWC	
6610.0	[ft]	DC	
6625.0	[ft]	SWC	
6653.0	[ft]	SWC	
6684.0	[ft]	SWC	
6700.0	[ft]	DC	
6779.0	[ft]	SWC	
6790.0	[ft]	DC	
6880.0	[ft]	DC	
6894.0	[ft]	SWC	
7000.0	[ft]	DC	
7100.0	[ft]	DC	
7200.0	[ft]	DC	
7250.0	[ft]	DC	
7300.0	[ft]	DC	
7320.0	[ft]	DC	
7400.0	[ft]	DC	
7490.0	[ft]	DC	
7590.0	[ft]	DC	
7620.0	[ft]	DC	
7640.0	[ft]	DC	
7660.0	[ft]	DC	
7668.0	[ft]	DC	
7690.0	[ft]	DC	
7730.0	[ft]	DC	
7760.0	[ft]	DC	
7780.0	[ft]	DC	
7800.0	[ft]	DC	



7820.0 [ft]	DC	
7840.0 [ft]	DC	
7860.0 [ft]	DC	
7880.0 [ft]	DC	
7900.0 [ft]	DC	
7920.0 [ft]	DC	
7940.0 [ft]	DC	
7960.0 [ft]	DC	
7980.0 [ft]	DC	
8000.0 [ft]	DC	
8010.0 [ft]	DC	
8050.0 [ft]	DC	
8090.0 [ft]	DC	
8130.0 [ft]	DC	
8150.0 [ft]	DC	
8190.0 [ft]	DC	
8210.0 [ft]	DC	
8230.0 [ft]	DC	
8270.0 [ft]	DC	
8300.0 [ft]	DC	
8340.0 [ft]	DC	
8380.0 [ft]	DC	
8400.0 [ft]	DC	
8420.0 [ft]	DC	
8460.0 [ft]	DC	
8494.0 [ft]	SWC	
8500.0 [ft]	DC	
8500.0 [ft]	DC	
8540.0 [ft]	DC	
8560.0 [ft]	DC	
8580.0 [ft]	DC	
8600.0 [ft]	DC	
8619.0 [ft]	DC	
8620.0 [ft]	DC	
8640.0 [ft]	DC	
8646.0 [ft]	DC	
8670.0 [ft]	DC	
8700.0 [ft]	DC	
8784.0 [ft]	SWC	
8820.0 [ft]	DC	



8834.0 [ft]	SWC	
8848.0 [ft]	C	
8860.0 [ft]	DC	
8920.0 [ft]	DC	
8940.0 [ft]	DC	
8960.0 [ft]	DC	
8980.0 [ft]	DC	
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9100.0 [ft]	DC	
9200.0 [ft]	DC	
9290.0 [ft]	DC	
9400.0 [ft]	DC	
9500.0 [ft]	DC	
9600.0 [ft]	DC	
9617.0 [ft]	SWC	
9700.0 [ft]	DC	
9800.0 [ft]	DC	
9900.0 [ft]	DC	
10000.0 [ft]	DC	
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10090.0 [ft]	DC	
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10150.0 [ft]	DC	
10197.0 [ft]	SWC	
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10223.0 [ft]	SWC	
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10260.0 [ft]	DC	
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10780.0 [ft]	DC	
10780.0 [ft]	DC	
10790.0 [ft]	DC	
10850.0 [ft]	DC	



10880.0 [ft]	DC	
10890.0 [ft]	DC	
10940.0 [ft]	DC	
10990.0 [ft]	DC	
11020.0 [ft]	DC	
11090.0 [ft]	DC	
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11190.0 [ft]	DC	
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11260.0 [ft]	DC	
11280.0 [ft]	DC	
11290.0 [ft]	DC	
11390.0 [ft]	DC	
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11440.0 [ft]	DC	
11470.0 [ft]	DC	
11470.0 [ft]	DC	
11480.0 [ft]	DC	
11550.0 [ft]	DC	
11570.0 [ft]	DC	
11580.0 [ft]	DC	
11670.0 [ft]	DC	
11680.0 [ft]	DC	
11730.0 [ft]	DC	
11753.0 [ft]	C	
11756.0 [ft]	DC	
11762.6 [ft]	C	RRI
11784.0 [ft]	DC	
11791.0 [ft]	DC	
11803.0 [ft]	DC	
11807.0 [ft]	DC	
11811.0 [ft]	DC	
11813.9 [ft]	C	RRI
11815.0 [ft]	DC	
11816.0 [ft]	C	
11816.0 [ft]	C	
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11843.0 [ft]	DC	



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11877.0 [ft]	DC	
11890.0 [ft]	DC	
11891.0 [ft]	DC	
11893.0 [ft]	C	RRI
11895.0 [ft]	DC	
11925.0 [ft]	C	RRI
11928.0 [ft]	C	
11933.0 [ft]	DC	
11940.0 [ft]	C	
11945.0 [ft]	C	
11946.0 [ft]	C	RRI
11949.0 [ft]	DC	
11970.0 [ft]	DC	
11978.0 [ft]	DC	
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12000.0 [ft]	SWC	
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12090.0 [ft]	DC	
12090.0 [ft]	SWC	
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12200.0 [ft]	DC	
12270.0 [ft]	DC	
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12320.0 [ft]	DC	
12330.0 [ft]	SWC	
12370.0 [ft]	DC	
12390.0 [ft]	SWC	
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12500.0 [ft]	DC	
12505.0 [ft]	SWC	
12510.0 [ft]	SWC	
12550.0 [ft]	DC	



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12560.0	[ft]	SWC	
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12600.0	[ft]	DC	
12670.0	[ft]	DC	
12700.0	[ft]	DC	
12770.0	[ft]	DC	
12800.0	[ft]	SWC	
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12870.0	[ft]	DC	
12900.0	[ft]	DC	
12970.0	[ft]	DC	
12990.0	[ft]	SWC	
13000.0	[ft]	DC	
13000.0	[ft]	DC	
13070.0	[ft]	DC	
13170.0	[ft]	DC	
13200.0	[ft]	DC	
13270.0	[ft]	DC	
13300.0	[ft]	SWC	
13350.0	[ft]	SWC	
13370.0	[ft]	DC	
13380.0	[ft]	SWC	
13400.0	[ft]	SWC	
13440.0	[ft]	SWC	
13450.0	[ft]	DC	
13450.0	[ft]	SWC	
13460.0	[ft]	DC	
13470.0	[ft]	DC	
13520.0	[ft]	DC	
13570.0	[ft]	DC	
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13830.0	[ft]	DC	
13842.0	[ft]	SWC	
13870.0	[ft]	DC	
13970.0	[ft]	DC	
14000.0	[ft]	DC	
14070.0	[ft]	DC	



14100.0 [ft]	DC	
14180.0 [ft]	DC	
14200.0 [ft]	DC	
14270.0 [ft]	DC	
14300.0 [ft]	DC	
14370.0 [ft]	DC	
14400.0 [ft]	DC	
14470.0 [ft]	DC	
14500.0 [ft]	DC	
14500.0 [ft]	SWC	
14570.0 [ft]	DC	
14600.0 [ft]	DC	
14650.0 [ft]	SWC	
14670.0 [ft]	DC	
14670.0 [ft]	DC	
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14770.0 [ft]	DC	
14800.0 [ft]	DC	
14860.0 [ft]	DC	
14870.0 [ft]	DC	
14900.0 [ft]	SWC	
14950.0 [ft]	SWC	
14970.0 [ft]	DC	
14980.0 [ft]	SWC	
15000.0 [ft]	DC	
15070.0 [ft]	DC	
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15118.0 [ft]	DC	
15138.0 [ft]	DC	
15160.0 [ft]	DC	
15170.0 [ft]	DC	
15250.0 [ft]	DC	
15270.0 [ft]	DC	
15275.0 [ft]	DC	
15350.0 [ft]	DC	
15370.0 [ft]	DC	
15430.0 [ft]	DC	
15470.0 [ft]	DC	
15540.0 [ft]	DC	
15570.0 [ft]	DC	



15670.0	[ft]	DC	
109800.0	[ft]	DC	

Documents - older Norwegian Offshore Directorate WDSS reports and other related documents

Document name	Document format	Document size [MB]
317 01 WDSS General Information	pdf	0.29

Documents - reported by the production licence (period for duty of secrecy expired)

Document name	Document format	Document size [MB]
317 15 6 2 COMPLETION LOG	pdf	3.45
317 15 6 2 COMPLETION REPORT	pdf	4.63

Logs

Log type	Log top depth [m]	Log bottom depth [m]
BHC	1313	3122
CAL	2695	3073
DIL	1314	2704
GR	149	1313
IES	2134	3125

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	149.0	36	155.0	0.00	
SURF.COND.	20	364.0	26	378.0	0.00	
INTERM.	13 3/8	1310.0	17 1/2	1330.0	0.00	
INTERM.	9 5/8	2679.0	12 1/4	2703.0	0.00	

