



General information





Wellbore name	15/5-7 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	15/5-7
Seismic location	3D survey ST06M02-inline1800 & crossline 660
Production licence	048
Drilling operator	StatoilHydro ASA
Drill permit	1202-L
Drilling facility	TRANSOCEAN WINNER
Drilling days	35
Entered date	09.09.2008
Completed date	13.10.2008
Release date	13.10.2010
Publication date	13.10.2010
Purpose - planned	APPRAISAL
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	26.0
Water depth [m]	119.0
Total depth (MD) [m RKB]	4199.0
Final vertical depth (TVD) [m RKB]	4117.0
Maximum inclination [°]	34
Bottom hole temperature [°C]	35
Oldest penetrated age	MIDDLE JURASSIC
Oldest penetrated formation	SLEIPNER FM
Geodetic datum	ED50
NS degrees	58° 33' 22.2" N
EW degrees	1° 39' 19.3" E
NS UTM [m]	6491564.70
EW UTM [m]	421754.96
UTM zone	31
NPDID wellbore	5946



Wellbore history

General

Well 15/5-7 A is a sidetrack from well 15/5-7 on the Dagny Discovery in the southern Viking Graben area of the North Sea. Well 15/5-7 proved an oil-filled Hugin Formation, a 98 m oil column. The primary objective of the sidetrack 15/5-7 A was to obtain data from the water zone, down-flanks on the structure.

Operations and results

Appraisal well 15/5-7 A was drilled with the semi-submersible installation Transocean Winner. The sidetrack commenced on 8 September at 3145 m and drilled to 4130 m in the Sleipner Formation. The wire line logging tools stuck in the first run at 3515 m and only very incomplete logs were obtained from this bore hole. Fishing failed, the fish was pushed down to 3715 m, and the borehole was plugged back for a second sidetrack. The second, named technically as sidetrack 15/5-7 AT2, was kicked off from 3337 m in well 15/5-7 on 24 September 2008 and drilled to TD at 4199 m in the Middle Jurassic Sleipner Formation. TD logging was obtained. The sidetrack well was drilled with an oil based mud.

Based on pressure gradients recorded in 15/5-7 and the sidetrack, the OWC was estimated at 3923 m TVD RKB. No oil shows were recorded in the well.

No cores were cut in the well. MDT pressures were recorded in the water bearing Hugin Formation. MDT water samples were taken at 3998.2 m in the technical sidetrack.

The well was permanently abandoned on 13 October 2008 as an oil appraisal.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
3170.00	4130.00

Cuttings available for sampling?	YES
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Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
3680.0	[m]	DC	ICHRON
3690.0	[m]	DC	ICHRON
3700.0	[m]	DC	ICHRON
3710.0	[m]	DC	ICHRON
3720.0	[m]	DC	ICHRON



3730.0	[m]	DC	ICHRON
3740.0	[m]	DC	ICHRON
3750.0	[m]	DC	ICHRON
3760.0	[m]	DC	ICHRON
3770.0	[m]	DC	ICHRON
3780.0	[m]	DC	ICHRON
3790.0	[m]	DC	ICHRON
3800.0	[m]	DC	ICHRON
3810.0	[m]	DC	ICHRON
3812.0	[m]	DC	ICHRON
3820.0	[m]	DC	ICHRON
3827.0	[m]	DC	ICHRON
3830.0	[m]	DC	ICHRON
3840.0	[m]	DC	ICHRON
3842.0	[m]	DC	ICHRON
3850.0	[m]	DC	ICHRON
3857.0	[m]	DC	ICHRON
3860.0	[m]	DC	ICHRON
3870.0	[m]	DC	ICHRON
3872.0	[m]	DC	ICHRON
3880.0	[m]	DC	ICHRON
3887.0	[m]	DC	ICHRON
3890.0	[m]	DC	ICHRON
3900.0	[m]	DC	ICHRON
3902.0	[m]	DC	ICHRON
3910.0	[m]	DC	ICHRON
3917.0	[m]	DC	ICHRON
3920.0	[m]	DC	ICHRON
3929.0	[m]	DC	ICHRON
3933.0	[m]	DC	ICHRON
3938.0	[m]	DC	ICHRON
3947.0	[m]	DC	ICHRON
3956.0	[m]	DC	ICHRON
3962.0	[m]	DC	ICHRON
3965.0	[m]	DC	ICHRON
3968.0	[m]	DC	ICHRON
3971.0	[m]	DC	ICHRON
3974.0	[m]	DC	ICHRON
3977.0	[m]	DC	ICHRON
3980.0	[m]	DC	ICHRON



3983.0	[m]	DC	ICHRON
3986.0	[m]	DC	ICHRON
3989.0	[m]	DC	ICHRON
3992.0	[m]	DC	ICHRON
3995.0	[m]	DC	ICHRON
3998.0	[m]	DC	ICHRON
4001.0	[m]	DC	ICHRON
4004.0	[m]	DC	ICHRON
4007.0	[m]	DC	ICHRON
4010.0	[m]	DC	ICHRON
4013.0	[m]	DC	ICHRON
4016.0	[m]	DC	ICHRON
4019.0	[m]	DC	ICHRON
4022.0	[m]	DC	ICHRON
4025.0	[m]	DC	ICHRON
4028.0	[m]	DC	ICHRON
4031.0	[m]	DC	ICHRON
4034.0	[m]	DC	ICHRON
4037.0	[m]	DC	ICHRON
4040.0	[m]	DC	ICHRON
4043.0	[m]	DC	ICHRON
4046.0	[m]	DC	ICHRON
4049.0	[m]	DC	ICHRON
4052.0	[m]	DC	ICHRON
4055.0	[m]	DC	ICHRON
4055.0	[m]	DC	ICHRON
4058.0	[m]	DC	ICHRON
4061.0	[m]	DC	ICHRON
4064.0	[m]	DC	ICHRON
4067.0	[m]	DC	ICHRON
4070.0	[m]	DC	ICHRON
4073.0	[m]	DC	ICHRON
4076.0	[m]	DC	ICHRON
4079.0	[m]	DC	ICHRON
4082.0	[m]	DC	ICHRON
4085.0	[m]	DC	ICHRON
4088.0	[m]	DC	ICHRON
4091.0	[m]	DC	ICHRON
4094.0	[m]	DC	ICHRON
4097.0	[m]	DC	ICHRON



4100.0 [m]	DC	ICHRON
4103.0 [m]	DC	ICHRON
4106.0 [m]	DC	ICHRON
4109.0 [m]	DC	ICHRON
4112.0 [m]	DC	ICHRON
4115.0 [m]	DC	ICHRON
4118.0 [m]	DC	ICHRON
4121.0 [m]	DC	ICHRON
4124.0 [m]	DC	ICHRON
4127.0 [m]	DC	ICHRON
4130.0 [m]	DC	ICHRON
4133.0 [m]	DC	ICHRON
4139.0 [m]	DC	ICHRON
4142.0 [m]	DC	ICHRON
4145.0 [m]	DC	ICHRON
4148.0 [m]	DC	ICHRON
4151.0 [m]	DC	ICHRON
4154.0 [m]	DC	ICHRON
4163.0 [m]	DC	ICHRON
4169.0 [m]	DC	ICHRON
4175.0 [m]	DC	ICHRON
4181.0 [m]	DC	ICHRON
4187.0 [m]	DC	ICHRON
4193.0 [m]	DC	ICHRON

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
145	NORDLAND GP
791	UTSIRA FM
991	HORDALAND GP
1732	GRID FM
2110	ROGALAND GP
2110	BALDER FM
2142	SELE FM
2190	LISTA FM
2222	HEIMDAL FM
2630	LISTA FM
2660	TY FM



2719	SHETLAND GP
2719	EKOFISK FM
2790	TOR FM
3053	HOD FM
3402	CROMER KNOLL GP
3402	RØDBY FM
3493	SOLA FM
3728	VIKING GP
3728	DRAUPNE FM
3870	HEATHER FM
3973	VESTLAND GP
3973	HUGIN FM
4098	SLEIPNER FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MDT	3969	4088
MDT	3989	4085
MSIP GR PPC1	3634	4132
MWD - ECO TELE	3361	4199
MWD - TELE	3337	3361
VSP SS	3695	4153
VSP ZO	2116	4100
XPT PT	3998	4149

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
INTERM.	13 3/8	2657.0	17 1/2	2669.0	1.65	LOT
OPEN HOLE		4130.0	8 1/2	4130.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
4130	1.40			Oil based	

**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]
5946 Formation pressure (Formasjonstrykk)	pdf	0.21

