

**General information**

Wellbore name	2/1-14 S
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	NORTH SEA
Well name	2/1-14
Seismic location	
Production licence	019 B
Drilling operator	Talisman Energy Norge AS
Drill permit	1217-L
Drilling facility	GYDA
Drilling days	84
Entered date	07.12.2008
Completed date	28.02.2009
Plugged date	28.02.2009
Release date	28.02.2011
Publication date	28.02.2011
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	56.0
Water depth [m]	65.5
Total depth (MD) [m RKB]	6130.0
Final vertical depth (TVD) [m RKB]	3811.0
Maximum inclination [°]	65
Oldest penetrated age	TRIASSIC
Oldest penetrated formation	SKAGERRAK FM
Geodetic datum	ED50
NS degrees	56° 54' 17.31" N
EW degrees	3° 5' 6.38" E
NS UTM [m]	6306934.03
EW UTM [m]	505183.43
UTM zone	31
NPDID wellbore	5995



Wellbore history

General

Well 2/1-14 S was drilled deviated from the Gyda Platform on the Gyda Field in the North Sea. The well targeted Late Jurassic, Ula Formation sandstones, across a fault delineating the Gyda Field to the north-east, ca 4 km from the platform location.

Operations and results

Wildcat well 2/1-14 S was drilled as a sidetrack from the production well 2/1-A-22. It was kicked off at the 13 3/8" casing shoe at 931 m in 2/1-A-22 and drilled deviated to TD at 6130 m (3811 m TVD) in red coloured claystones and silty sandstones assumed to be the Triassic Skagerrak Formation. Stress relief cavings were observed whilst drilling the Nordland and Hordaland, a clean out trip was required as the 9 5/8" casing could not be run to bottom due to a suspected

build up of cuttings beds and poor hole cleaning. Whilst drilling through suspected fault zones in the 8 1/2" section, the bit was often 'grabbed' and packing off of the hole was noted. Loss zones were noted at 5805 m, 5812 m, but some of this came back whilst circulating prior to POOH to change assembly. Losses were encountered whenever the ECD increased above 1.82 sg, drilling continued with lower flow rates. The well was drilled with Carbosea oil based mud from kick-off to TD.

Top Mandal Formation was penetrated at 5949 m (3660 m TVD), top Farsund Formation at 5967 m (3675 m TVD), and Top of the Ula Formation sandstone unit at 6022 m (3721 m TVD). The Ula Formation sandstone was thinner than expected (12 m TVD) and included claystone interbeds. Very weak oil shows were observed in the Ula sand. Otherwise, the oil based mud made shows detection difficult, and no further oil shows were reported from the well. Logs and gas readings indicated a lack of any moveable hydrocarbons.

No cores were cut and no wire line logs were run in the well. No fluid or pressure samples were taken.

The well was permanently abandoned on 28 February 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]
5757.00	6130.00

Cuttings available for sampling?	YES
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Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
122	NORDLAND GP
1962	HORDALAND GP
1962	NO FORMAL NAME
3211	VADE FM
3839	NO FORMAL NAME
4253	ROGALAND GP
4253	BALDER FM
4392	SELE FM
4496	SELE FM
4568	LISTA FM
4640	VIDAR FM
4877	LISTA FM
4916	VÅLE FM
4955	SHETLAND GP
4955	EKOFISK FM
5180	TOR FM
5598	HOD FM
5719	BLODØKS FM
5729	HIDRA FM
5739	CROMER KNOLL GP
5739	RØDBY FM
5760	SOLA FM
5785	TUXEN FM
5820	ÅSGARD FM
5947	TYNE GP
5947	MANDAL FM
6022	VESTLAND GP
6022	ULA FM
6036	BRYNE FM
6111	NO GROUP DEFINED

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD - DIR GR RES PWD ORD CCN ACC	5812	6130
MWD - GR DIR PWD	931	5005
MWD - GR PWD FPT	6012	6096



MWD - GR RES DIR PWD	5005	5812
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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	931.0	17 1/2	931.0	1.80	LOT
INTERM.	9 5/8	4992.0	12 1/4	5005.0	1.87	LOT
OPEN HOLE		6130.0	8 1/2	6130.0	0.00	LOT

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
984	1.64	48.0		Invert Emulsion	
1252	1.64	36.0		Invert Emulsion	
2830	1.64	42.0		Invert Emulsion	
3917	1.64	40.0		Invert Emulsion	
4810	1.64	50.0		Invert Emulsion	
5005	1.66	55.0		Invert Emulsion	
5008	1.54	49.0		Invert Emulsion	
5596	1.63	44.0		Invert Emulsion	
6130	1.63	48.0		Invert Emulsion	