General information

Wellbore name	34/3-4 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	34/3-4
Seismic location	inline 5142 & crossline 3374
Production licence	373 S
Drilling operator	BG Norge AS
Drill permit	1551-L
Drilling facility	TRANSOCEAN SEARCHER
Drilling days	14
Entered date	13.11.2014
Completed date	26.11.2014
Release date	26.11.2016
Publication date	27.11.2016
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	406.0
Total depth (MD) [m RKB]	1607.0
Final vertical depth (TVD) [m RKB]	1605.0
Maximum inclination [°]	9
Oldest penetrated age	MIOCENE
Oldest penetrated formation	HORDALAND GP
Geodetic datum	ED50
NS degrees	61° 48' 7.42'' N
EW degrees	2° 52' 5.97'' E
NS UTM [m]	6852301.14
EW UTM [m]	493058.17
UTM zone	31
NPDID wellbore	7605

Wellbore history

General

Well 34/3-4 S was the first of two wells planned to test the Jordbær Sør-øst prospect east of the Knarr Field (previously the Jordbær discovery) on Tampen Spur in the North Sea. The objective of 34/3-4 S well was to investigate the potential gas hazard within sands of a Pliocene submarine canyon fill below 1300 m. After this, a planned sidetrack 34/3-4 A should continue to the main Jurassic target.

Operations and results

Prior to spud of the main well on 10 - 11 November 2014, a 9 7/8" pilot hole was drilled from seafloor to 1028 m. No shallow gas was seen.

Wildcat well 34/3-4 S was spudded with the semi-submersible installation Transocean Searcher on 13 November 2014 and drilled through the sands to TD at 1607 m (1605 m TVD) m in Miocene sediments belonging to the Hordaland Group. No significant problem was encountered in the operations. The well was drilled with seawater and hi-vis pills down to 1023 m and with Glydril mud from 1023 m to TD.

The prognosed Pliocene sandstones in the canyon in 34/3-4 S appears to be of Pleistocene age, and were fully evaluated over a vertical section of 252.2 m, and three separate intervals gave a total of 3.2 m of pay, with a porosity of 36.1%, and a water saturation of 54%.

No cores were cut and no fluid sample was taken.

The well was plugged back to the 20" shoe and abandoned on 26 November 2014 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]
1030.00	1608.00

Cuttings available for sampling?	YES

Palynological slides at the Norwegian Offshore Directorate

Sample depth	Depth unit	Sample type	Laboratory
1220.0	[m]	DC	PETROSTR
1230.0	[m]	DC	PETROS
1240.0	[m]	DC	PETROS
1250.0	[m]	DC	PETROS

1260.0	[m]	DC	PETROS
1270.0	[m]	DC	PETROS
1280.0	[m]	DC	PETROS
1290.0	[m]	DC	PETROS
1300.0	[m]	DC	PETROS
1310.0	[m]	DC	PETROS
1320.0	[m]	DC	PETROS
1330.0	[m]	DC	PETROS
1340.0	[m]	DC	PETROS
1350.0	[m]	DC	PETROS
1360.0	[m]	DC	PETROS
1370.0	[m]	DC	PETROS
1380.0	[m]	DC	PETROS
1390.0	[m]	DC	PETROS
1400.0	[m]	DC	PETROS
1410.0	[m]	DC	PETROS
1420.0	[m]	DC	PETROS
1430.0	[m]	DC	PETROS
1440.0	[m]	DC	PETROS
1450.0	[m]	DC	PETROS
1460.0	[m]	DC	PETROS
1470.0	[m]	DC	PETROS
1480.0	[m]	DC	PETROS
1490.0	[m]	DC	PETROS
1500.0	[m]	DC	PETROS
1510.0	[m]	DC	PETROS
1520.0	[m]	DC	PETROS
1530.0	[m]	DC	PETROS
1540.0	[m]	DC	PETROS
1550.0	[m]	DC	PETROS
1560.0	[m]	DC	PETROS
1570.0	[m]	DC	PETROS
1580.0	[m]	DC	PETROS
1590.0	[m]	DC	PETROS
1600.0	[m]	DC	PETROS

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
428	NORDLAND GP
1316	UTSIRA FM
1584	HORDALAND GP

Logs

Log type	Log top depth [m]	Log bottom depth [m]
ARC PWD TELE DIR	524	1023
ARC TELE SADN	1026	1608
DIR TELE	428	524

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	518.8	36	524.0	0.00	
SURF.COND.	20	1017.6	26	1023.0	1.50	FIT
PILOT HOLE		1028.0	9 7/8	1028.0	0.00	
PILOT HOLE		1607.0	12 1/4	1607.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1012	1.35	22.0		KCl/Poly/Glycol	
1028	1.03			Spud Mud	
1205	1.37	28.0		KCl/Poly/Glycol	
1608	1.37	25.0		KCl/Poly/Glycol	