



General information

Wellbore name	34/3-4 A
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	1552-L
Drilling facility	TRANSOCEAN SEARCHER
Drilling days	74
Entered date	27.11.2014
Completed date	13.02.2015
Release date	13.02.2017
Publication date	13.02.2017
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]	4535.0
Final vertical depth (TVD) [m RKB]	4343.0
Maximum inclination [°]	31.2
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	AMUNDSEN FM
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	7606



Wellbore history

General

Well 34/3-4 A was drilled to test the Jordbær Sørøst prospect on Tampen Spur in the Northern North Sea. The primary objective was to test the hydrocarbon potential in the Early Jurassic Cook formation.

Operations and results

On 27 November 2014 wildcat well 34/3-4 A was kicked off from below the 20" shoe set in 34/3-4 S at 1017 m. It was drilled with the semi-submersible installation Transocean Searcher to TD at 4535 m in the Early Jurassic Amundsen Formation. Problems with the cement jobs for the 13/3/8" and 9 7/8" casing cement jobs were experienced, otherwise no significant problem was encountered in the operations. The well was drilled with water based KCl/Glycol mud down to 2258 m and with Versatec oil based mud from 2258 m to TD.

Sandstones of the Cook Formation were penetrated at 4370.5 m MD, (4179.8 m TVD). The Cook Formation had 113 m sand with a total N/G of 0.63 based on petrophysical evaluation. The sands were water saturated. The well section that was drilled water based did not have shows. In the oil based section the Cook Formation had good hydrocarbon odour in places but otherwise there were no shows above the oil base.

No cores were cut and no fluid sample was taken.

The well was permanently abandoned on 13 February 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]
1030.00	4534.20

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

Sample depth	Depth unit	Sample type	Laboratory
1600.0	[m]	DC	PETROSTR
1610.0	[m]	DC	PETROS
1620.0	[m]	DC	PETROS
1630.0	[m]	DC	PETROS
1640.0	[m]	DC	PETROS
1650.0	[m]	DC	PETROS



1660.0	[m]	DC	PETROS
1670.0	[m]	DC	PETROS
1680.0	[m]	DC	PETROS
1690.0	[m]	DC	PETROS
1700.0	[m]	DC	PETROS
1710.0	[m]	DC	PETROS
1720.0	[m]	DC	PETROS
1730.0	[m]	DC	PETROS
1740.0	[m]	DC	PETROS
1750.0	[m]	DC	PETROS
1760.0	[m]	DC	PETROS
1770.0	[m]	DC	PETROS
1780.0	[m]	DC	PETROS
1790.0	[m]	DC	PETROS
1800.0	[m]	DC	PETROS
3900.0	[m]	DC	PETROS
3910.0	[m]	DC	PETROS
3920.0	[m]	DC	PETROS
3930.0	[m]	DC	PETROS
3940.0	[m]	DC	PETROS
3950.0	[m]	DC	PETROS
3960.0	[m]	DC	PETROS
3970.0	[m]	DC	PETROS
3975.0	[m]	DC	PETROS
3980.0	[m]	DC	PETROS
3985.0	[m]	DC	PETROS
3990.0	[m]	DC	PETROS
4000.0	[m]	DC	PETROS
4010.0	[m]	DC	PETROS
4030.0	[m]	DC	PETROS
4040.0	[m]	DC	PETROS
4050.0	[m]	DC	PETROS
4060.0	[m]	DC	PETROS
4070.0	[m]	DC	PETROS
4080.0	[m]	DC	PETROS
4090.0	[m]	DC	PETROS
4100.0	[m]	DC	PETROS
4115.0	[m]	DC	PETROS
4120.0	[m]	DC	PETROS
4130.0	[m]	DC	PETROS



4140.0 [m]	DC	PETROS
4150.0 [m]	DC	PETROS
4160.0 [m]	DC	PETROS
4170.0 [m]	DC	PETROS
4180.0 [m]	DC	PETROS
4190.0 [m]	DC	PETROS
4200.0 [m]	DC	PETROS
4210.0 [m]	DC	PETROS
4220.0 [m]	DC	PETROS
4230.0 [m]	DC	PETROS
4235.0 [m]	DC	PETROS
4242.5 [m]	DC	PETROS
4245.0 [m]	DC	PETROS
4250.0 [m]	DC	PETROS
4255.0 [m]	DC	PETROS
4260.0 [m]	DC	PETROS
4265.0 [m]	DC	PETROS
4270.0 [m]	DC	PETROS
4275.0 [m]	DC	PETROS
4280.0 [m]	DC	PETROS
4285.0 [m]	DC	PETROS
4290.0 [m]	DC	PETROS
4295.0 [m]	DC	PETROS
4300.0 [m]	DC	PETROS
4305.0 [m]	DC	PETROS
4310.0 [m]	DC	PETROS
4315.0 [m]	DC	PETROS
4320.0 [m]	DC	PETROS
4325.0 [m]	DC	PETROS
4330.0 [m]	DC	PETROS
4335.0 [m]	DC	PETROS
4340.0 [m]	DC	PETROS
4345.0 [m]	DC	PETROS
4350.0 [m]	DC	PETROS
4355.0 [m]	DC	PETROS
4360.0 [m]	DC	PETROS
4365.0 [m]	DC	PETROS
4370.0 [m]	DC	PETROS
4375.0 [m]	DC	PETROS
4377.5 [m]	DC	PETROS



4380.0 [m]	DC	PETROS
4385.0 [m]	DC	PETROS
4390.0 [m]	DC	PETROS
4395.0 [m]	DC	PETROS
4400.0 [m]	DC	PETROS
4402.5 [m]	DC	PETROS
4405.0 [m]	DC	PETROS
4407.5 [m]	DC	PETROS
4410.0 [m]	DC	PETROS
4415.0 [m]	DC	PETROS
4420.0 [m]	DC	PETROS
4425.0 [m]	DC	PETROS
4430.0 [m]	DC	PETROS
4435.0 [m]	DC	PETROS
4440.0 [m]	DC	PETROS
4445.0 [m]	DC	PETROS
4450.0 [m]	DC	PETROS
4455.0 [m]	DC	PETROS
4460.0 [m]	DC	PETROS
4462.5 [m]	DC	PETROS
4465.0 [m]	DC	PETROS
4467.5 [m]	DC	PETROS
4470.0 [m]	DC	PETROS
4475.0 [m]	DC	PETROS
4477.5 [m]	DC	PETROS
4480.0 [m]	DC	PETROS
4485.0 [m]	DC	PETROS
4490.0 [m]	DC	PETROS
4495.0 [m]	DC	PETROS
4500.0 [m]	DC	PETROS
4505.0 [m]	DC	PETROS
4510.0 [m]	DC	PETROS
4515.0 [m]	DC	PETROS
4520.0 [m]	DC	PETROS
4525.0 [m]	DC	PETROS
4530.0 [m]	DC	PETROS
4534.2 [m]	DC	PETROS

Lithostratigraphy



Top depth [mMD RKB]	Lithostrat. unit
428	NORDLAND GP
1314	UTSIRA FM
1545	HORDALAND GP
2005	ROGALAND GP
2005	BALDER FM
2024	SELE FM
2034	SELE FM
2054	LISTA FM
2155	SHETLAND GP
2155	JORSALFARE FM
2327	KYRRE FM
3947	CROMER KNOLL GP
3947	RØDBY FM
3967	ÅSGARD FM
3981	MIME FM
3984	VIKING GP
3984	HEATHER FM
4089	BRENT GP
4089	RANNOCH FM
4246	DUNLIN GP
4246	DRAKE FM
4370	COOK FM
4486	AMUNDSEN FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LEH QT ECRD EDTC MSIP	3834	4232
LWD - ARC	524	4238
LWD - DIR	428	524
LWD - ECO	4240	4535

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
INTERM.	13 3/8	2252.0	17 1/2	2258.0	1.80	FIT
INTERM.	9 7/8	4233.0	12 1/4	4238.0	2.10	FIT
OPEN HOLE		4535.0	8 1/2	4535.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1984	1.39	35.0		KCl/Poly/Glycol	
2258	1.42	34.0		Versatec	
2258	1.41	30.0		KCl/Poly/Glycol	
2530	1.42	26.0		Versatec	
3645	1.60	43.0		Versatec	
4210	1.84	67.0		Versatec	
4212	1.70	52.0		Versatec	
4241	1.84	71.0		Versatec	
4469	1.84	68.0		Versatec	