

**General information**

Wellbore name	34/3-5
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	34/3-5
Seismic location	inline 4287 & crossline 3095
Production licence	373 S
Drilling operator	BG Norge AS
Drill permit	1560-L
Drilling facility	TRANSOCEAN SEARCHER
Drilling days	53
Entered date	23.02.2015
Completed date	16.04.2015
Release date	16.04.2017
Publication date	16.04.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	22.0
Water depth [m]	403.0
Total depth (MD) [m RKB]	4275.0
Final vertical depth (TVD) [m RKB]	4275.0
Maximum inclination [°]	2.7
Oldest penetrated age	EARLY JURASSIC
Oldest penetrated formation	AMUNDSEN FM
Geodetic datum	ED50
NS degrees	61° 46' 31.11" N
EW degrees	2° 45' 41.15" E
NS UTM [m]	6849336.88
EW UTM [m]	487411.84
UTM zone	31
NPDID wellbore	7646



Wellbore history

General

Well 34/3-5 was drilled to test the Jordbær Sør prospect about 5 km south of the Knarr Field on Tampen Spur in the North Sea. The objective of the well was to prove petroleum in Early Jurassic reservoir rocks (Cook Formation).

Operations and results

Wildcat well 34/3-5 was spudded with the semi-submersible installation Transocean Searcher on 23 February 2015 and drilled to TD at 4275 m in the Early Jurassic Amundsen Formation. The well was drilled with seawater and hi-vis pills down to 1038 m, with KCl/glycol mud from 1038 m to 2203 m, and with Versatec oil based mud from 2203 m to TD.

The well encountered an 82-metre thick water bearing sandstone interval in the Cook Formation, of which 47 metres are of good reservoir quality. No oil show above the oil-based mud was recorded in the well.

No cores were cut. No fluid sample was taken. No wireline logs were run in the well. LWD stethoscope pressure points were recorded and proved a water gradient in the Cook Formation, ca 2 bar higher than the water leg in the Knarr Field.

The well was permanently abandoned on 16 April 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]
1050.00	4275.00

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

Sample depth	Depth unit	Sample type	Laboratory
3655.0	[m]	DC	PETROSTR
3660.0	[m]	DC	PETROS
3665.0	[m]	DC	PETROS
3670.0	[m]	DC	PETROS
3675.0	[m]	DC	PETROS
3680.0	[m]	DC	PETROS
3685.0	[m]	DC	PETROS



3690.0	[m]	DC	PETROS
3695.0	[m]	DC	PETROS
3700.0	[m]	DC	PETROS
3705.0	[m]	DC	PETROS
3710.0	[m]	DC	PETROS
3712.5	[m]	DC	PETROS
3715.0	[m]	DC	PETROS
3717.5	[m]	DC	PETROS
3720.0	[m]	DC	PETROS
3722.5	[m]	DC	PETROS
3725.0	[m]	DC	PETROS
3730.0	[m]	DC	PETROS
3740.0	[m]	DC	PETROS
3750.0	[m]	DC	PETROS
3760.0	[m]	DC	PETROS
3770.0	[m]	DC	PETROS
3780.0	[m]	DC	PETROS
3790.0	[m]	DC	PETROS
3800.0	[m]	DC	PETROS
3810.0	[m]	DC	PETROS
3820.0	[m]	DC	PETROS
3830.0	[m]	DC	PETROS
3840.0	[m]	DC	PETROS
3850.0	[m]	DC	PETROS
3860.0	[m]	DC	PETROS
3870.0	[m]	DC	PETROS
3880.0	[m]	DC	PETROS
3890.0	[m]	DC	PETROS
3900.0	[m]	DC	PETROS
3905.0	[m]	DC	PETROS
3910.0	[m]	DC	PETROS
3915.0	[m]	DC	PETROS
3920.0	[m]	DC	PETROS
3925.0	[m]	DC	PETROS
3930.0	[m]	DC	PETROS
3935.0	[m]	DC	PETROS
3940.0	[m]	DC	PETROS
3945.0	[m]	DC	PETROS
3950.0	[m]	DC	PETROS
3955.0	[m]	DC	PETROS



3960.0 [m]	DC	PETROS
3965.0 [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
3995.0 [m]	DC	PETROS
4000.0 [m]	DC	PETROS
4005.0 [m]	DC	PETROS
4010.0 [m]	DC	PETROS
4015.0 [m]	DC	PETROS
4020.0 [m]	DC	PETROS
4025.0 [m]	DC	PETROS
4030.0 [m]	DC	PETROS
4035.0 [m]	DC	PETROS
4040.0 [m]	DC	PETROS
4045.0 [m]	DC	PETROS
4050.0 [m]	DC	PETROS
4055.0 [m]	DC	PETROS
4060.0 [m]	DC	PETROS
4065.0 [m]	DC	PETROS
4070.0 [m]	DC	PETROS
4075.0 [m]	DC	PETROS
4080.0 [m]	DC	PETROS
4085.0 [m]	DC	PETROS
4090.0 [m]	DC	PETROS
4095.0 [m]	DC	PETROS
4100.0 [m]	DC	PETROS
4103.8 [m]	DC	PETROS
4110.0 [m]	DC	PETROS
4115.0 [m]	DC	PETROS
4120.0 [m]	DC	PETROS
4125.0 [m]	DC	PETROS
4130.0 [m]	DC	PETROS
4135.0 [m]	DC	PETROS
4137.5 [m]	DC	PETROS
4140.0 [m]	DC	PETROS
4142.5 [m]	DC	PETROS
4145.0 [m]	DC	PETROS



4150.0 [m]	DC	PETROS
4155.0 [m]	DC	PETROS
4160.0 [m]	DC	PETROS
4165.0 [m]	DC	PETROS
4167.5 [m]	DC	PETROS
4170.0 [m]	DC	PETROS
4175.0 [m]	DC	PETROS
4180.0 [m]	DC	PETROS
4185.0 [m]	DC	PETROS
4190.0 [m]	DC	PETROS
4195.0 [m]	DC	PETROS
4200.0 [m]	DC	PETROS
4205.0 [m]	DC	PETROS
4207.5 [m]	DC	PETROS
4210.0 [m]	DC	PETROS
4212.5 [m]	DC	PETROS
4215.0 [m]	DC	PETROS
4217.5 [m]	DC	PETROS
4220.0 [m]	DC	PETROS
4222.5 [m]	DC	PETROS
4225.0 [m]	DC	PETROS
4230.0 [m]	DC	PETROS
4235.0 [m]	DC	PETROS
4240.0 [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

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
425	NORDLAND GP
425	UNDIFFERENTIATED
1361	UTSIRA FM
1480	HORDALAND GP



1480	UNDIFFERENTIATED
1960	ROGALAND GP
1960	BALDER FM
1985	SELE FM
2000	LISTA FM
2096	SHETLAND GP
2096	JORSALFARE FM
2282	KYRRE FM
3654	CROMER KNOLL GP
3654	RØDBY FM
3669	ÅSGARD FM
3715	MIME FM
3719	VIKING GP
3719	HEATHER FM
3877	BRENT GP
3877	RANNOCH FM
4032	DUNLIN GP
4032	DRAKE FM
4140	COOK FM
4222	AMUNDSEN FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
LWD - DI	425	519
LWD - DI GR RES PWD	425	1040
LWD - DI GR RES PWD D N S PP	4103	4275
LWD - DI GR RES PWD DEN NEU SON	2205	4103
LWD - DI PWD GR RES	519	1038
LWD - DI PWD GR RES	1038	2203

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	513.0	36	519.0	0.00	
SURF.COND.	20	1032.9	26	1038.0	1.50	FIT
PILOT HOLE	9 7/8	1040.0		1040.0	0.00	



INTERM.	13 3/8	2197.0	17 1/2	2203.0	1.58	FIT
INTERM.	13 3/8	2197.0	17 1/2	2203.0	1.80	FIT
INTERM.	13 3/8	2197.0	17 1/2	2203.0	1.51	FIT
LINER	9 5/8	4098.0	12 1/4	4103.0	2.07	FIT
OPEN HOLE		4275.0	8 1/2	4275.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
1038	1.33	23.0		KCl/Poly/Glycol	
1500	1.35	21.0		KCl/Poly/Glycol	
2203	1.41	22.0		KCl/Poly/Glycol	
2574	1.60	39.0		Versatec	
3450	1.61	40.0		Versatec	
3970	1.68	38.0		Versatec	
4103	1.82	46.0		Versatec	
4275	1.71	41.0		Versatec	