

**General information**

Wellbore name	7324/8-2
Type	EXPLORATION
Purpose	WILDCAT
Status	P&A
Press release	link to press release
Factmaps in new window	link to map
Main area	BARENTS SEA
Well name	7324/8-2
Seismic location	5262/crossline 5449.2D:inline 02027 - crossline 04036
Production licence	537
Drilling operator	OMV (Norge) AS
Drill permit	1571-L
Drilling facility	LEIV EIRIKSSON
Drilling days	21
Entered date	26.04.2015
Completed date	16.05.2015
Release date	16.05.2017
Publication date	16.05.2017
Purpose - planned	WILDCAT
Reentry	NO
Content	SHOWS
Discovery wellbore	NO
Kelly bushing elevation [m]	25.0
Water depth [m]	394.0
Total depth (MD) [m RKB]	840.0
Final vertical depth (TVD) [m RKB]	840.0
Maximum inclination [°]	1.5
Oldest penetrated age	MIDDLE TRIASSIC
Oldest penetrated formation	SNADD FM
Geodetic datum	ED50
NS degrees	73° 24' 0.05" N
EW degrees	24° 26' 41.6" E
NS UTM [m]	8147069.69
EW UTM [m]	418540.66
UTM zone	35
NPDID wellbore	7681



Wellbore history

General

Well 7324/8-2 was drilled to test the Bjaaland prospect southwest of the Wisting Field in the Hoop Fault Complex in the Barents Sea. The primary objective was to prove petroleum in the Middle Jurassic to Late Triassic Upper Realgrunnen Subgroup (Stø and Fruholmen formations).

Operations and results

Wildcat well 7324/8-2 was spudded with the semi-submersible installation Leiv Eiriksson on 26 April 2015 and drilled to TD at 840 m in the Middle Triassic Snadd Formation. No significant problem was encountered in the operations. The well was drilled with seawater and bentonite down to 488 m and with Glydril mud from 488 m TD.

The Stø Formation was encountered at 668 m, 250 m below sea floor. It was water bearing. Shows were observed on cuttings and in sidewall core chips from top Stø Formation and downwards. Inspection of the drilling mud used in the 12 1/4" and 8 1/2" sections revealed a weak fluorescence. This makes all on-rig shows observations on cuttings and sidewall cores questionable. However, post-well organic geochemical analyses proved unquestionable thermogenic oil in sidewall cores from top Stø Formation and downwards. In the sidewall cores down to 702 m the oil shows were biodegraded, below 719 m undegraded oil was present in the shows.

Due to dry well no cores were cut. The MDT tool was run for pressure points, but no fluid sample was taken.

The well was permanently abandoned on 16 May 2015 as a dry well with shows.

Testing

No drill stem test was performed.

Cuttings at the Norwegian Offshore Directorate

Cutting sample, top depth [m]	Cutting samples, bottom depth [m]
586.00	837.00

Cuttings available for sampling?	YES
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Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
419	NORDLAND GP
419	UNDIFFERENTIATED
489	ADVENTDALEN GP
489	KOLMULE FM



583	KOLJE FM
602	KNURR FM
613	HEKKINGEN FM
632	FUGLEN FM
668	KAPP TOSCANA GP
668	STØ FM
683	FRUHOLMEN FM
780	SNADD FM

Logs

Log type	Log top depth [m]	Log bottom depth [m]
FMIHD PPC MSIP PPC GR	652	835
MDT GR	670	822
MSCT GR	0	0
MSCT GR	0	0
MWD - GR DI	419	488
MWD - PWD RES GR DI	488	583
MWD - RES AT GR PWD DI	583	840
VSI4 GR ZOVSP	427	830

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	485.4	36	485.4	0.00	
SURF.COND.	13 3/8	583.0	17 1/2	583.0	0.00	
LINER	9 5/8	654.0	12 1/4	654.0	2.27	LOT
OPEN HOLE		840.0	8 1/2	840.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
488	1.02	1.0		Seawater	
580	1.18	13.0		Glydril	
652	1.19	13.0		Glydril	
659	1.15	9.0		Glydril	



840	1.14	13.0		Glydril	
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