

**General information**

Wellbore name	7125/4-3
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	7125/4-3
Seismic location	3 D survey MFZ02STR08. Inline 1632. Xline 3695
Production licence	393 B
Drilling operator	Statoil Petroleum AS
Drill permit	1538-L
Drilling facility	TRANSOCEAN SPITSBERGEN
Drilling days	13
Entered date	10.08.2014
Completed date	07.09.2014
Release date	07.09.2016
Publication date	01.10.2015
Purpose - planned	WILDCAT
Reentry	NO
Content	DRY
Discovery wellbore	NO
Kelly bushing elevation [m]	40.0
Water depth [m]	294.0
Total depth (MD) [m RKB]	1033.0
Final vertical depth (TVD) [m RKB]	1033.0
Maximum inclination [°]	0.9
Oldest penetrated age	LATE JURASSIC
Oldest penetrated formation	HEKKINGEN FM
Geodetic datum	ED50
NS degrees	71° 30' 56.4" N
EW degrees	25° 12' 56.6" E
NS UTM [m]	7936057.85
EW UTM [m]	436866.57
UTM zone	35
NPDID wellbore	7543



Wellbore history

General

Well 7125/4-3 was drilled on the Ensis prospect about four kilometres south of the 7125/4-1 oil and gas discovery on the Måsøy Fault Complex in the Barents Sea. The primary objective was to prove petroleum in Early Cretaceous reservoir rocks (intra-Knurr formation).

Operations and results

Wildcat well 7125/4-3 was spudded with the semi-submersible installation Transocean Spitsbergen on 10 August 2014 and drilled to TD at 1033 m in the Hekkingen Formation. No significant problem was encountered in the operations. The well was drilled, logged, plugged and abandoned in a total of 18 days. It was drilled with seawater and hi-vis sweeps down to 593 m, with KCl/GEM/polymer mud from 593 m to 863 m, and with Low-sulphate KCl/GEM/polymer mud from 863 m to TD.

The well was dry. Approximately 35 m of reservoir rocks of poor quality was penetrated in the Knurr Formation.

No cores were cut. A dry case wireline logging program was conducted. No fluid samples were taken.

The well was permanently abandoned on 7 September 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]
600.00	1033.00

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

Sample depth	Depth unit	Sample type	Laboratory
600.0	[m]	DC	ROBERTSO
610.0	[m]	DC	ROBERT
620.0	[m]	DC	ROBERT
640.0	[m]	DC	ROBERT
650.0	[m]	DC	ROBERT
660.0	[m]	DC	ROBERT
670.0	[m]	DC	ROBERT



680.0	[m]	DC	ROBERT
690.0	[m]	DC	ROBERT
700.0	[m]	DC	ROBERT
710.0	[m]	DC	ROBERT
720.0	[m]	DC	ROBERT
730.0	[m]	DC	ROBERT
740.0	[m]	DC	ROBERT
750.0	[m]	DC	ROBERT
760.0	[m]	DC	ROBERT
770.0	[m]	DC	ROBERT
780.0	[m]	DC	ROBERT
790.0	[m]	DC	ROBERT
800.0	[m]	DC	ROBERT
810.0	[m]	DC	ROBERT
820.0	[m]	DC	ROBERT
830.0	[m]	DC	ROBERT
840.0	[m]	DC	ROBERT
850.0	[m]	DC	ROBERT
860.0	[m]	DC	ROBERT
866.0	[m]	DC	ROBERT
869.0	[m]	DC	ROBERT
872.0	[m]	DC	ROBERT
875.0	[m]	DC	ROBERT
878.0	[m]	DC	ROBERT
893.0	[m]	DC	ROBERT
896.0	[m]	DC	ROBERT
899.0	[m]	DC	ROBERT
902.0	[m]	DC	ROBERT
905.0	[m]	DC	ROBERT
908.0	[m]	DC	ROBERT
911.0	[m]	DC	ROBERT
914.0	[m]	DC	ROBERT
917.0	[m]	DC	ROBERT
920.0	[m]	DC	ROBERT
923.0	[m]	DC	ROBERT
926.0	[m]	DC	ROBERT
929.0	[m]	DC	ROBERT
932.0	[m]	DC	ROBERT
935.0	[m]	DC	ROBERT
938.0	[m]	DC	ROBERT



941.0 [m]	DC	ROBERT
944.0 [m]	DC	ROBERT
947.0 [m]	DC	ROBERT
950.0 [m]	DC	ROBERT
953.0 [m]	DC	ROBERT
956.0 [m]	DC	ROBERT
959.0 [m]	DC	ROBERT
962.0 [m]	DC	ROBERT
968.0 [m]	DC	ROBERT
974.0 [m]	DC	ROBERT
977.0 [m]	DC	ROBERT
983.0 [m]	DC	ROBERT
986.0 [m]	DC	ROBERT
989.0 [m]	DC	ROBERT
992.0 [m]	DC	ROBERT
995.0 [m]	DC	ROBERT
998.0 [m]	DC	ROBERT
1001.0 [m]	DC	ROBERT
1004.0 [m]	DC	ROBERT
1007.0 [m]	DC	ROBERT
1010.0 [m]	DC	ROBERT
1013.0 [m]	DC	ROBERT
1016.0 [m]	DC	ROBERT
1019.0 [m]	DC	ROBERT
1022.0 [m]	DC	ROBERT
1025.0 [m]	DC	ROBERT
1028.0 [m]	DC	ROBERT
1031.0 [m]	DC	ROBERT

Lithostratigraphy

Top depth [mMD RKB]	Lithostrat. unit
334	NORDLAND GP
334	NAUST FM
522	NYGRUNNEN GP
522	KVITING FM
557	ADVENTDALEN GP
557	KOLMULE FM
880	KNURR FM



983 [HEKKINGEN FM](#)

Logs

Log type	Log top depth [m]	Log bottom depth [m]
MWD LWD - DIR	334	387
MWD LWD - GR RES	387	590
MWD LWD - GR RES DIR APWD ARC AD	512	854
MWD LWD - GR RES DIR APWD GVR	858	1038
PEX HRLA MSIP	680	1036

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	384.0	36	387.0	0.00	
SURF.COND.	13 3/8	578.0	17 1/2	593.0	1.32	FIT
LINER	9 5/8	859.0	12 1/4	863.0	1.47	FIT
OPEN HOLE		1033.0	8 1/2	1033.0	0.00	

Drilling mud

Depth MD [m]	Mud weight [g/cm3]	Visc. [mPa.s]	Yield point [Pa]	Mud type	Date measured
383	1.21	23.0		Low Sulphate/KCl/Polymer/Glycol	
660	1.14	13.0		KCl/Polymer/GEM	
860	1.16	18.0		KCl/Polymer/GEM	
870	1.25	21.0		Low Sulphate/KCl/Polymer/Glycol	
1001	1.23	21.0		Low Sulphate/KCl/Polymer/Glycol	
1030	1.21	22.0		Low Sulphate/KCl/Polymer/Glycol	

