

# Case Study

# Milling Optimization

TTS Completes Lower 48 Onshore TMD Record  
Case Study No. 4422

## DETAILS:

Location:	Monroe County, OH
Formation:	Utica
Casing Size:	5-1/2"   23#
Conveyance:	2-7/8" Jointed Pipe
Total Measured Depth:	30,746' (9,371m)
Lateral Length:	19,883' (6,060m)
Well Orientation:	Horizontal
Fluid:	Produced Water/Brine
Operation Type:	Drill-Out Composite Plugs
Tools Used:	3-1/8" TTS Milling Assembly

## RESULTS:

Thru Tubing Solutions' most powerful motor, the F5, completed the longest TMD well in the US Lower 48 onshore. In combination with TTS' field-proven chemicals and mixing plant, the **3-1/8" F5 Milling Assembly** was able to reach total-measured depth at 30,746' (9,371m) with a total perforated lateral length of 19,883' (6,060m). This 3.7 mile lateral included 98 plugs which was successfully completed in a single trip. Completing this super lateral is an industry milestone and proves that Thru Tubing Solutions' technical expertise and continued focus on producing big picture results cannot be matched.

## HIGHLIGHTS



- Lower 48 Onshore TMD Record
- 3.7 Mile Super Lateral
- Higher Torque Output for Longevity



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