

# Case Study

# Milling Optimization

TTS' F5 Motor Completes a Record Breaking 4.5 Mile Lateral

Case Study No. 4423

## DETAILS:

Location:	Jefferson County, OH
Formation:	Utica
Casing Size:	5-1/2"   23#
Conveyance:	2.875" Stick Pipe
Total Measured Depth:	34,036' (10374m)
Lateral Length	23,700' (7223m)
Well Orientation:	Horizontal
Fluid:	Water
Tools Used:	3-1/8" TTS Milling Assembly

## RESULTS:

In a collaborative effort and years of working together, TTS completed the longest well in the United States for Ascent Resources. The strong working relationship has helped both TTS and Ascent move confidently to a well measuring 34,036' with a daunting 136 plugs. The outcome was a drillout that took 178 hours from open master valve to close, 129 hours from tagging the kill plug to reaching TD, and averaged 1.05 plugs per hour across the 23,700' lateral. Thru Tubing Solutions utilized a BHA and process that has been refined over years, consisting of the 3.13" F5 6BPM Motor and TriboSlick 97 Pipe-on-Pipe. TTS is fortunate to be a part of this project and looks forward to continuing the partnership into the future.

## HIGHLIGHTS



- Longest Well in the US
- 4.5 Mile Super Lateral
- Higher Torque Output for Longevity



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