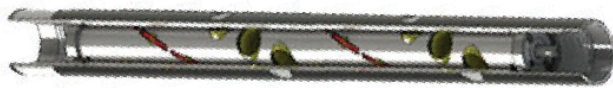


# TCP Motor Cleanout System

Establishes Injection Rate After Wet Shoe Lock-Up



## HIGHLIGHTS

- Efficient Well Cleanout
- Innovative Technology
- Precision Perforation
- Reliable Intervention

## DETAILS

Location	Atascosa County, TX
Casing Size	5 1/2" 23#
Well Orientation	Horizontal
Fluid	Fresh Water
Conveyance	2 5/8" Coiled Tubing
Operation Type	Cleanout and TCP
Lateral Length	16,800 Ft
Kickoff Point	7,639 Ft
Total Measured Depth	25,364 Ft
Tools Used	3.13" TCP Motor Cleanout System 3.50" Gun Carrier with 2.75" Guns 3.13" XRV WavForce

## OBJECTIVE

The operator of an Eagle Ford well encountered a problem when their wet shoe became locked up, preventing them from completing the necessary toe prep operation.

## RESULTS

The 16,800' toe-up lateral presented a challenge in achieving the target depth. Pre-job friction modeling determined that a 0.15 friction coefficient was required to reach PBTD using a 2-5/8" coil tubing string. To ensure success, TTS utilized their proprietary WavForceXRV technology and pipe-on-pipe lubricant. Once the tools were deployed, TTS was able to clean the well to PBTD at a depth of 25,364' in just 6 hours. A ball was then launched from the surface to isolate the flow to the motor and activate the two-stage firing head. After the required surface pressure was reached, the guns fired, creating 36 perforations above the shoe.

Adequate injection rate was established allowing wireline to be pumped down, initiating the completion of the well. The patented TCP Motor Cleanout System developed by TTS incorporates a motor and extended reach tool below the perforating guns, which is essential for long lateral wells like this one. Pre-job modeling showed that using lubricant alone would have resulted in coil tubing lock-up approximately 6,300' shy of PBTD. Despite the challenges, TTS was able to complete the intervention in 13 hours, demonstrating the efficiency and reliability of their products and services.

ONE COMPANY ONE SOLUTION

[thrutubing.com](http://thrutubing.com)

