

## Case Study

# TCP Motor Cleanout System

TCP Motor Cleanout System Establishes Injection Rate Utilizing the WavForce XRV

Case Study No. 2503

### DETAILS:

Location:	Upton, TX
Formation:	Wolf Camp
Casing Size:	5-1/2"   20#
Conveyance:	2-5/8" Coiled Tubing
Total Measured Depth:	24,452'
Lateral Length:	15,024'
Well Orientation:	Horizontal
Fluid:	Water
Operation Type:	Cleanout and TCP
Tools Used:	3.13" TCP Motor Cleanout System 3.13" F5 Motor 3.13" WavForce XRV

### RESULTS:

An operator in the Midland Basin had a toe sleeve prematurely open and needed to set a bridge plug above to get a pressure test on the casing. Injectivity through the toe sleeve was only 2 bbl/min eliminating pump down options with wireline. With possible cement stringers in the well, the operator consulted with TTS and it was decided to utilize the 3.13" TCP Motor Cleanout System for a one trip solution. The alternative option comprised of three trips that included a motor cleanout run to PBTD, followed by a plug setting run, and lastly a TCP run. Due to a 15,024' lateral length, the WavForce XRV was incorporated to ensure reaching PBTD effectively.

The TCP Motor Cleanout System successfully completed the cleanout operation in 4.5 hours from RIH to reaching PBTD at 24,452'. A ball was then launched from surface to isolate flow to the motor and activate the firing head assembly. Once desired pressure was attained, the TCP guns fired to create 36 perforations above the toe sleeve. Once the coil was out of hole, injection rate was established at 16 bbl/min permitting wireline to be pumped down to set a plug. The pressure test on the casing was successful and wireline was able to shoot stage one to begin frac operations.

The entire operation was completed in 17 hours drastically reducing time and expense to the operator.

### HIGHLIGHTS



- Single Trip Solution
- WavForce XRV Utilized
- Proprietary Solution



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