

Case Study

TCP Motor Cleanout System

TCP Motor Cleanout System Saves Operator Time on Location

Case Study No. 2502

DETAILS:

Location:	Lewis County, WV
Formation:	Marcellus
Casing Size:	5-1/2" 23#
Conveyance:	2.88" Snubbing Unit
Total Measured Depth:	28,120'
KOP:	3,102' (90 degrees @ 7,994')
Well Orientation:	Horizontal
Fluid:	Water
Operation Type:	Cleanout and TCP
Tools Used:	3.13" TCP Motor Cleanout System 3.13" F5 Motor

RESULTS:

A customer in the Appalachia had a toe port at 28,030' that failed to open. Working off a stand-alone snubbing unit, the TCP Motor Cleanout System was deployed to perform a clean out run and provide the ability to perforate the first stage without pulling out of the hole.

The 3.13" F5 Motor was used to drill 1000' of cement before reaching TD at 28,120'. Once cement was removed, TCP guns were pulled to depth at 27,965' and a ball was deployed from surface to isolate the flow through the motor. Once the desired pressure was applied; three 18 shot guns were fired, separated by a time delay fuse between each gun, creating a total of 54 perforations between 27,965' and 27,845' to establish injection rate. By combining a typical two-trip operation into a single-trip solution, the TCP Motor Cleanout System saved the operator 48 hours of rig time.

HIGHLIGHTS



- Single Trip Solution
- Time Delayed TCP
- Proprietary Solution



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