

BACKGROUND:

PetroFrac Oil Tools launched the ROGUE in February 2019 at the Hydraulic Fracturing Technical Conference (HFTC). Since then, this new plug has been successfully deployed in numerous wells in the US and Canada. Due to its short length and fast mill out times, it is becoming the go-to frac plug on the market.

CHALLENGE:

A major operator, completing a Spraberry well in the Permian Basin, had a two-well zipper frac and planned to run a competitor's plug in one well and the PetroFrac ROGUE in the other. While the operator traditionally used the competitor's plug, this was the opportunity for the ROGUE to prove value in performance, cost and efficiency.

“The PetroFrac ROGUE composite plug combines functionality with flexibility. The minimalistic design offers reliable inter-stage isolation with attractive and inherent contingency plans. Coupling these features with an expedited and dependable drill-out provided operational efficiency and commercial benefits to our organization. Our experience with the ROGUE, paired with the service quality received from the PetroFrac team, promises to deliver continued value to our organization.”

- Operator



SOLUTION:

The PetroFrac team deployed 64 5 ½” ROGUE frac plugs utilizing the close-on-demand flapper isolation feature. Each plug was selectively closed and tested prior to each frac stage to ensure zonal isolation. Overall, the ROGUE program saw a 25% reduction in pump down volumes as compared to previous plugs.

The deployment of the ROGUE frac plug gave the operator confidence knowing 100% isolation occurred between fracs.

During the drill out is when the ROGUE really shone. Drill out times were less than half of the time required to drill out the competitor’s previously run plug with less than 25% of the debris. The average drill out time was 6.6 minutes.

Upon the well completion, the ROGUE came out on top by exceeding all around performance and customer service expectations versus the other supplier. The PetroFrac team successfully secured the future work of the operator.

ROGUE STATS:

- Average drill out time was 6.6 minutes
- Less than 25% of the debris from previous suppliers

ROGUE is a trademark of PetroQuip Energy Services / PetroFrac Oil Tools

FEATURES/BENEFITS OF ROGUE:

- Close-on-demand flapper feature allows for contingency guns to be run without ball flow back
- Shortest plug available on the market
- Quick drill out times
- Eliminates hazards surrounding traditional “ball drop” and “ball in place” systems
- Smart Wire Line Adapter Kit (WLAK) provides easy installation
- 360° slips
- 10,000 psi element back-up system

