# SetR Composite Plug Drillout Performance

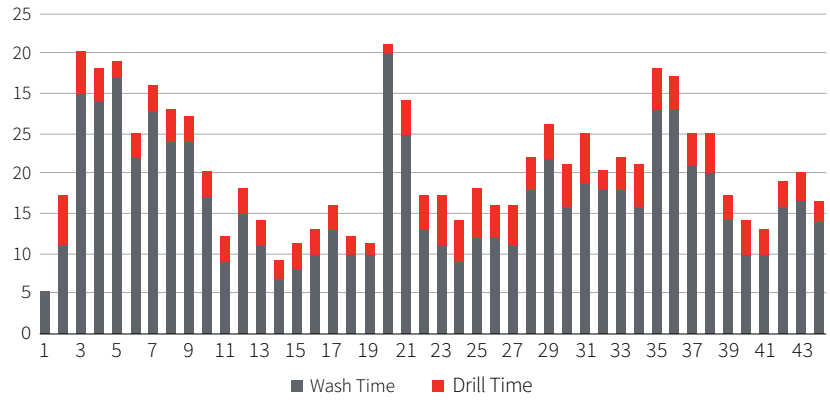
## Background

In the Mid-Continent (Mid-Con) region—encompassing the Fayetteville, Woodford, and Cana Woodford shale gas plays across the Arkoma, Ardmore, and Anadarko Basins in Oklahoma, Kansas, and the Texas Panhandle—an operator conducted a plug-and-perf completion using composite frac plugs throughout the lateral section of a horizontal well. The objective was to evaluate plug drillout performance by tracking average wash and mill times.

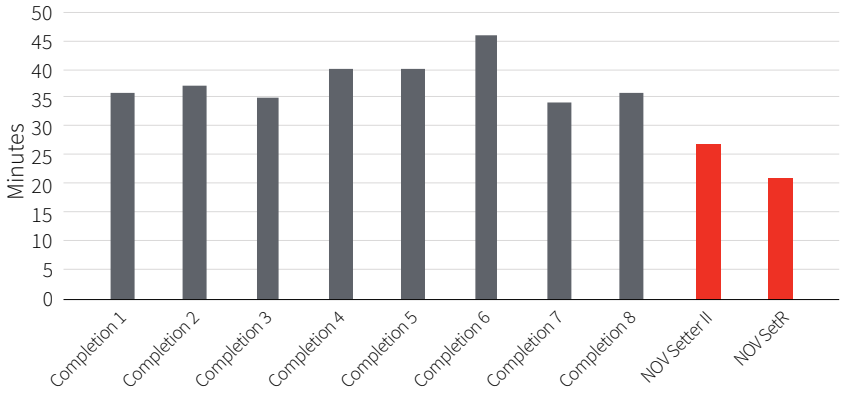
## Solution

The operation used SetR composite frac plugs, engineered to maintain structural integrity during stimulation and allow efficient millout after completion. Performance was evaluated by measuring average wash and mill times per plug.

### Drill and Wash Time




### AVG Drill and Wash Time




## Case study facts

**Location:** US

## Result

Across 44 plugs, the operation achieved:

- **Average Wash Time:** 17.1 minutes
- **Average Mill Time:** 3.7 minutes

All plugs were tagged at planned depths, confirming mechanical engagement and structural reliability. Compared to legacy Setter II plugs and other market alternatives, the SetR design delivered faster drillout times and reduced operational costs.

## Operational Highlights

- **Plug tagging success:** 100%
- **Average total plug removal time:** ~20.8 minutes