

Setter Series Composite Frac Plug

Background

A major operator in the Permian Basin sought composite plug options to compare drillout results from multiple plug providers. The operator evaluated drillout times and plugs tagged on depth.

Solution

NOV proposed the Setter composite frac plug to meet the operator's requirements. The compact design and all-composite construction allow for a quick mill time average of four minutes and minimize debris removal from the wellbore. The castellated lower slips provide even slip distribution during setting and reduce incidents of plugs being not tagged during drillout.

Result

Out of nine plug providers across multiple wells, the NOV Setter composite frac plug had the quickest drill and wash times, and 100% of Setter frac plugs were tagged on depth.

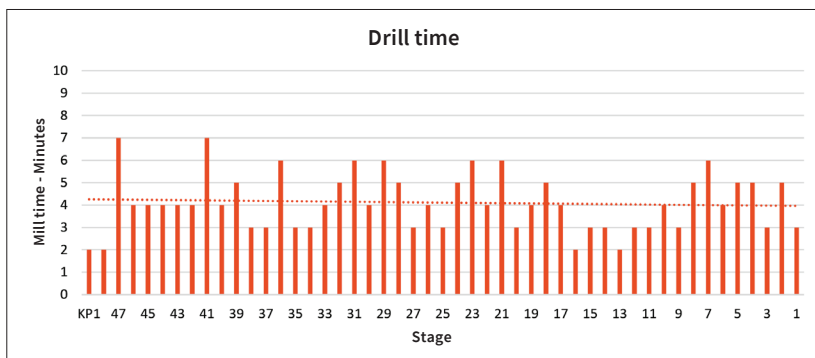
The Setter frac plugs were run and set with run speeds up to 500 ft/min and maximum pump rates of 12 bbl/min. The average drill time for 49 plugs was 4.1-min per plug.

NOV's Setter fully composite frac plug continues to be the market leader in drillout time, as demonstrated by a major operator's drillout trials in the Permian Basin. For more information on our complete portfolio of frac plugs, visit nov.com

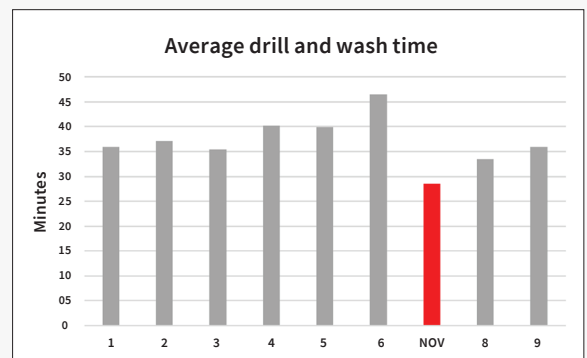
Case study facts

Location: Permian Basin, Lea County, NM

Casing: 5.500" 20.0#



Average drill time of 4.1 minutes for 49 plugs



Average drill and wash time for nine composite frac plug providers