Case Study

SlicFrac

Diverting with SlicFrac Reduces Bridge Plugs and Risk of Pre-Sets

Case Study No. 6203

DETAILS:

Location:	**Loving County, Texas**
Formation:	**Permian**
Operation Depth:	**+/- 21,000'**
Well Orientation:	**Horizontal**
POD Type:	**PCL-Millable PODs**
Type of Operation:	**Plug 'n Perf SlicFrac**

The Plug 'n Perf completion method utilizes a single wireline run to set a bridge plug for isolation and then perforate the next interval, prior to frac stimulation. In horizontal applications, the wireline assembly is pumped down hole to reach the desired depth. After perforations have been made, the wireline assembly is then pulled to surface allowing frac operations to commence. The costs associated with a bridge plug prematurely setting (pre-set) prior to reaching its desired depth often render this method uneconomical.

A customer looking to optimize their existing completion program utilized Thru Tubing Solutions' **SlicFrac** System to divert the frac between Plug 'n Perf stages. Combining stages, where multiple perforation clusters can be treated together, eliminated half of the bridge plugs in the wellbore, thus reducing the risk of a pre-set. Utilizing **SlicFrac** to selectively divert the frac to virgin formation ensures the entirety of each stage is efficiently stimulated.

The reduction in plug cost, wireline runs, water usage, total frac time, millouts and overall time for services on location all attribute to the total cost savings with the **SlicFrac** system. The customer has since utilized **SlicFrac** on more than 16 wells throughout North Dakota, New Mexico and Texas, with continued use planned for the future.

Eliminated
50%
of Plugs

Efficiently
Divert
Frac Stages

Reduced Time and Total Cost