

Case Study

SlicFrac

Diverting with SlicFrac during a Vertical Recompletion

Case Study No. 6204

DETAILS:

Location:	Andrews County, NM
Formation:	Clearfork
Operation Depth:	6,500'
Well Orientation:	Vertical
POD Type:	PCL-Millable PODs
Type of Operation:	Vertical Recompletion

Refracturing or recompleting existing wells can prove to be a cost effective solution for an increase in production, in comparison to drilling/completing a new wellbore. With both horizontal and vertical wellbores, previous completion designs may not have been optimized for cluster spacing/efficiency or maximum zonal coverage. Adding new clusters during the recompletion allows the customer to effectively restimulate existing perforations and breakdown new rock for maximum production.

A customer in Andrews County planned to recomplete multiple vertical wellbores, with the expectation of adding new perforations across missed payzones to optimize the production increase. Dealing with multiple frac gradients meant the customer needed a means of diverting throughout the frac stimulation to effectively treat the entire wellbore.

TTS' **SlicFrac** Diverter selectively diverts the frac to virgin formation efficiently stimulating the entirety of the wellbore. The customer was able to successfully refracture the existing perforations and stimulate the new perforations, stage by stage. Utilizing **SlicFrac** Perf PODs to obtain a 100% seal within the perforation increases the fracture fluid efficiency across the virgin formation, giving the target reservoir every opportunity to perform to its full capacity.

The customer was able to completely POD Out all perforations following the final pump stage, and maintain a complete pressure test on the wellbore. The customer considered the results to be a huge success and has since included SlicFrac in all vertical recompletions.

