

Case Study

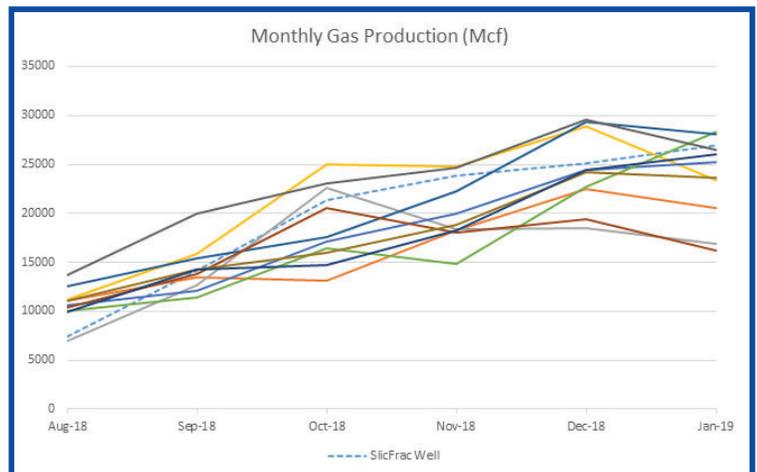
SlicFrac®

Eliminated 54 Bridge Plugs for Full Well Diversion

Case Study No. 6207

DETAILS:

Location:	Northern DJ Basin
Formation:	Codell
Operation Depth:	10,000'
Well Orientation:	Horizontal
POD Type:	Bio-Rez® Hi Degradable PODs (175°F)
Type of Operation:	Full Well Diversion Plug Elimination



The industry standard completion design utilizes frac plugs to provide isolation between perforation intervals during the hydraulic fracturing process. Due to multiple casing ID restrictions, a customer in the DJ Basin required an alternative solution to isolate intervals and effectively stimulate the entire lateral.

The customer replaced all frac plugs with SlicFrac Perf PODs, deployed between each frac stimulation to isolate and divert the flow to the next interval of perforations. By isolating each perforation the customer was able to efficiently stimulate the entire lateral; attaining more reservoir contact with improved perf cluster efficiency. SlicFrac Perf PODs were deployed to divert fluid from the dominant perforations and provide break-down of the less dominant or under-stimulated perf clusters within each interval.

For this 55 stage completion, degradable Perf PODs were deployed from surface maintaining isolation for the entirety of the 10 day frac stimulation. TTS' Standard Milling BHA was used post frac to cleanout residual sand and circulate the wellbore clean before putting the well onto production.

By replacing frac plugs with SlicFrac Diversion, the customer was able to effectively stimulate the entire wellbore as designed, while reducing overall completion costs and eliminating the risks associated with setting and removing reduced OD plugs. The chart above shows production of the well where SlicFrac was used in comparison to other wells in the field; the production is higher than many of the wells and continuing to trend upward.



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