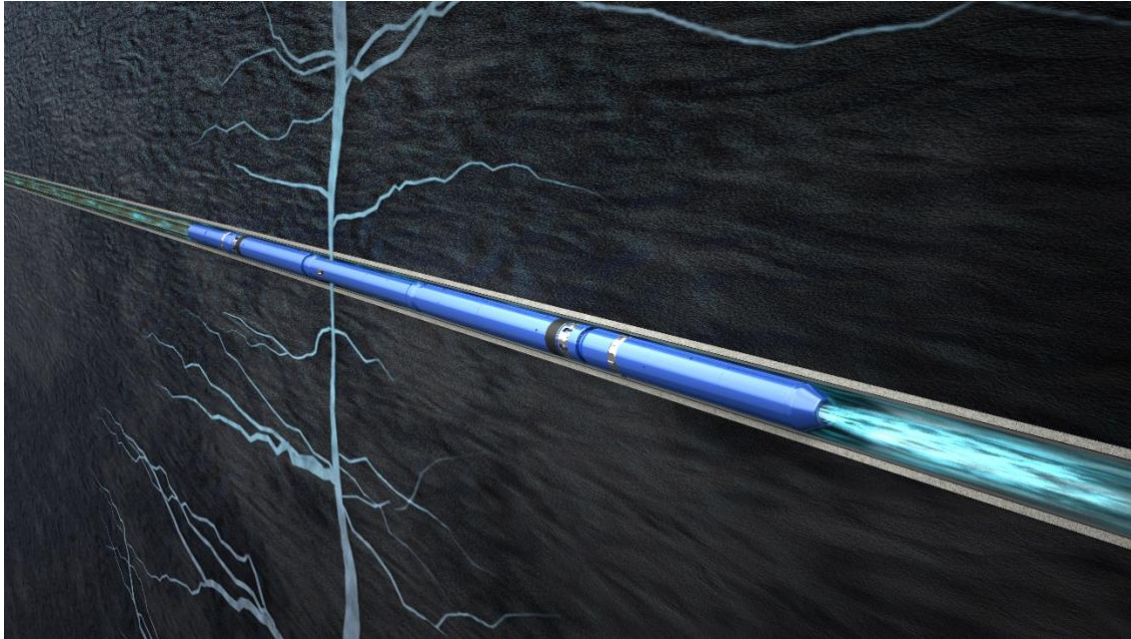


Comitt EXCITE™ Delivers Sustained Production Uplift in Abo Reef Formation

HOW THE EXCITE SYSTEM TREATED NINE EXISTING AND SIX NEW PERF CLUSTERS IN A SINGLE TRIP TO DELIVER SUSTAINED PRODUCTION UPLIFT



SCOPE OF WORK:

The candidate well was located in the Abo Reef formation in the Permian Basin. The operator identified new intervals in the lateral that could be tied into the wellbore by perforating between the old clusters. They needed a method to treat both the old and new perf clusters with acid. The original completion was fracture stimulation treatment over three stages with three clusters per stage and an average of 300 ft. between clusters. The ultimate goal was to increase the flow of the well over a period of time.

COMITT SOLUTION:

- 2000 gal. of acid was to be pumped into the new perforations and 1000 gal. of acid for the existing perfs.
- The EXCITE System was configured to treat each of the 15 clusters individually in a single trip, which created efficient acid treatment for each individual perforation cluster.
- Downhole pressure gauges were run on the Excite system to provide data on treatment efficiency.

SEQUENCE OF EVENTS:

The treatment was performed in September 2019. Since the well was a 4.5" liner completion, the EXCITE System was deployed on a tapered 2-7/8" x 2-3/8" string to maximize pump rate for each stage. The EXCITE System was activated for each individual stage and a distinct pressure signature was observed on surface to confirm that the tool was set. The treatments were placed for each stage and downhole pressure gauges confirmed the seal integrity of packers for each stage. The entire job was carried out in less than 48 hours.

RESULTS:

- 120% immediate increase in oil production following treatment.
- 85% higher production five months after treatment versus before treatment.
- Post treatment decline follows same decline curve as type curve for well.
- Overall project return of \$160,000 NPV(10) and 60% IRR.
- Customer has identified more candidate wells for additional treatments.

