

# Real-Time FDI Mitigation Workflow Enables Operator to Increase Stage Placement by 63% Resulting in a 25% Uplift in Production

## Challenge

- + Fracture Driven Interactions (FDIs) can be detrimental to both parent and child well production, as well as parent well integrity
- + Often, FDIs result in completion stages being cut short on child wells once a maximum threshold pressure has been observed on the parent
- + Strategies to mitigate these interaction require substantial oversight from operator personnel both on site and remotely

## Solution

- + Pro-active mitigation strategies utilizing real-time pressure monitoring of offset wells increases Volume to First Response (VFR) and decreases FDI magnitude ( $\Delta P$ )
- + Automated workflows using pre-set guidance parameters reduce the need for manual oversight and standardizes decision-making across operations
- + The FracBRAIN<sup>®</sup> real-time monitoring platform facilitates these workflows through a user-friendly web app optimizing the balance between operational efficiency and fracture effectiveness

## Results

- + This workflow has enabled a ShearFRAC partner to increase the number of stages with greater than 80% of planned fluid volume placement from 24% to 87%
- + Child wells also show an increase in fracturing effectiveness with a resulting 25% increase in cumulative gas production after 18 months

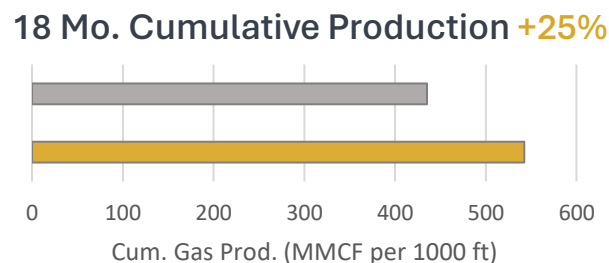
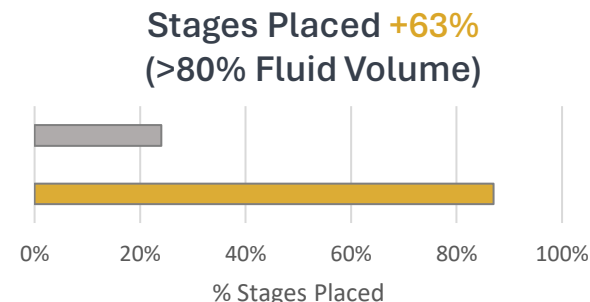
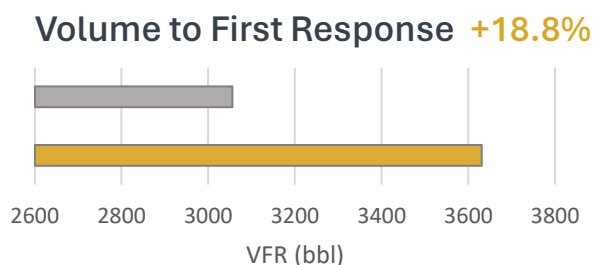
Basin – **Western Gulf**

Formation – **Eagle Ford**

Location – **Webb County, TX**

**La Salle County, TX**

Producing Well Type – **Dry Gas**



Pre ShearFRAC<sup>®</sup>  
 With ShearFRAC<sup>®</sup> FDI Workflow

Balancing Operational Efficiency with Fracture Effectiveness

For More Information:

Web  
www.ShearFRAC.com

Phone  
1-888-544-1526

Email  
info@ShearFRAC.com