

Real-Time Completions Optimization and FDI Mitigation Delivers Record-Breaking Pad Performance for a Major Haynesville Operator

Challenge

- + A major Haynesville operator faced significant FDI risk while completing a three-well child pad surrounded by six high-producing parent wells.
- + Without real-time insight, optimizing fracture containment and maintaining treatment efficiency across the pad would be difficult.

Solution

- + Surface pressure diagnostics and automated FDI detection were deployed to monitor completions in real-time.
- + Live fracture behavior insights enabled tactical design changes mid-stage, including pump schedule shifts and targeted proppant deployment.
- + Automated alerts triggered pre-defined mitigation protocols to minimize growth toward depleted offset zones, increasing fracture complexity and stimulated rock volume (SRV).

Results

- + 100% of FDIs toward older offset wells were mitigated, and over 90% mitigation was achieved for modern completions.
- + Despite expectations of production loss, the child wells delivered a record breaking 180 MMscfd peak rate and forecasted EUR of 2.4 Bcf/1,000'.
- + Parent wells were returned to production with no measurable performance degradation, preserving full asset value.

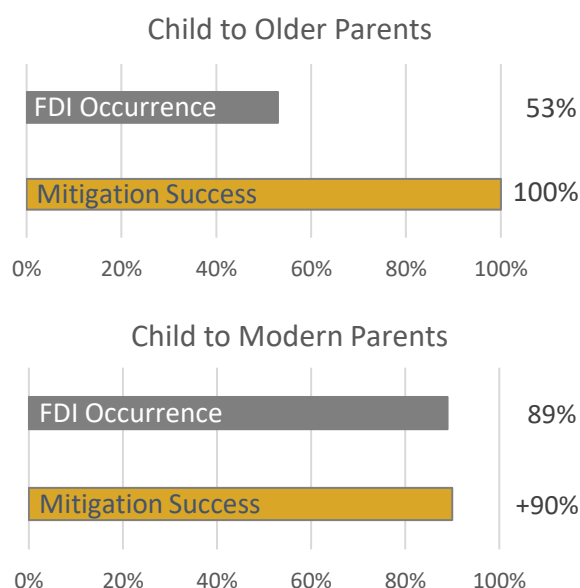
Basin – Haynesville

Formation – Haynesville

Location – Cado Parish, LA

Producing Well Type – Gas

FDI Mitigation Success



Record Production

180 MMscfd

2.4 Bcf/1000' EUR

Balancing Operational Efficiency with Fracture Effectiveness

For More Information:

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