

# Perforating Success Using StimGun Assembly and StimTube Tool in West Texas

## Benefits

- Completed 15 wells, improving injectivity across the board
- Eliminated the need for acid and significantly saved rig time
- Saved USD 3,080,000

## Well background and challenges

- Reduced injectivity in some wells due to barium sulfate scaling
- Other injectors and producers required acid jobs to achieve acceptable results

## Baker Hughes solution and results

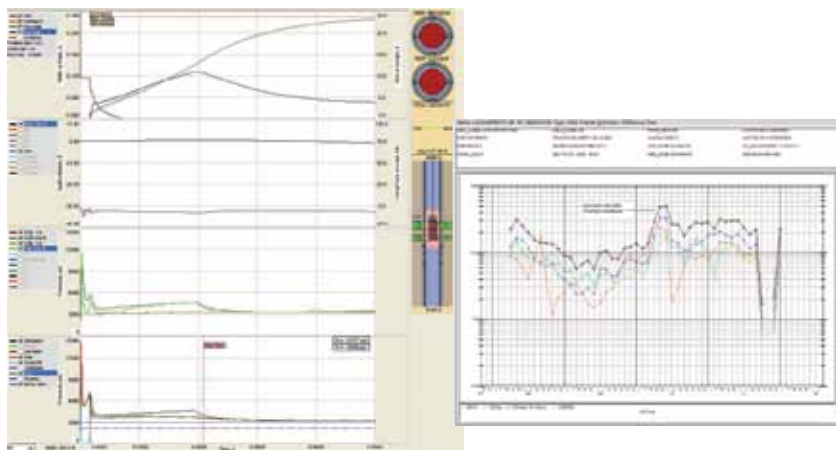
- Recommended propellant technologies as potential money and time saving tools
- Baker Hughes iPerf PulsFrac™ pre-job modeling software for assessing high energy propellants effectiveness and potential problems

## Typical well: Chevron VGSAU 38

- Perforated at 6 spf with StimGun\* assembly
- Other wells in the field required acid to recover injectivity
- Achieved injection rate of 758 BOFD, slightly better than offset wells

## Conclusion

- Propellants are effective for overcoming near wellbore damage and recovering lost production
- Job modeling critical for the design process
- Significant cost savings in rig time, pumping equipment, and acid



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