

## REAL TIME GAUGES

# INCREASE PRODUCTION 10% AND SAVE HUNDREDS OF THOUSANDS OF DOLLARS ON POST-FRAC WELL COSTS

**Measure what you manage: downhole monitoring leads to increased production, better infill drilling decisions and optimized well spacing.**

### CHALLENGE

Production companies increasingly face daily challenges to protect valuable reservoir rock and expensive wellbore completions from offset fracturing operations. Additionally, although bottomhole pressure (BHP) can be derived using surface pressure and flow rates, surface data lacks the necessary accuracy and data frequency to understand the reservoir performance and optimize development decisions.

Multiphase flow effects are the primary reason for the inadequacy of surface calculated BHP. Furthermore, gas lift wells complicate surface calculated BHP due to varying injection rates and pressures, paired with compressor downtime.

Finite human capital resources mean operators must monitor more wells, remotely, with fewer people.

### SOLUTION

Exploration and production companies install downhole, real time monitoring systems in the Permian, Mid-Continent and Bakken regions in order to accurately measure downhole pressure and temperature below the deepest gas lift valve.

### RESULTS

Downhole monitoring creates a rapid return on investment. Several customers report a netback of under 4 weeks despite a low commodity price environment.

- Augment stacked multi-lateral zone completion decisions
- Achieve average production increase of 10%
- Identify nearby wellbore damage
- Monitor flowback remotely, from any device
- Enhance well spacing and infill drilling plans
- Protect long term reservoir value through increased tracking of offset completions
- Optimize gas lift injection rate
- Monitor production with less human capital



Contact your local representative for more information on Real Time Gauges.