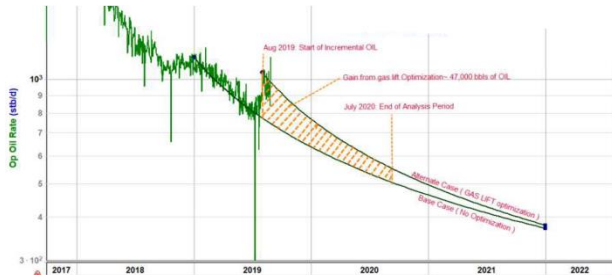


ForeSite® Injection Rate Optimization and Gas Lift Analysis Achieves 25% Higher Production, a \$1.2M Reduction in OPEX



Gas lift optimization case study shows 47,000 BOPD gain in the first 12 months.

Objectives

- Enhance production through continuous real-time gas injection rate optimization and provide gas lift optimization recommendations.
- Improve personnel efficiency with real-time data monitoring, reduce wellsite visits, and support remote well management.
- Work within available gas lift constraints.

Our Approach

- An optimization analysis that included comprehensive downhole configuration data, deviation surveys, perforation intervals, static reservoir pressure, allocated production data, as well as oil, gas, and water gravities was conducted.
- Wells were ranked by additional MSCF injected versus potential additional oil production and then split into groups for optimization.
- From the assessment, changes in the gas injection rate (Q_{gi}) were recommended to optimize well production.

Value to Customer

- ForeSite enhanced production by optimizing the gas-injection rate in 27 out of 88 wells. An increase in oil production was observed and resulted in 211 STB oil incremental gain, equating to a 47,000 BBL increase within the first 12 months.
- The customer saved approximately \$1.2M in OPEX after implementing ForeSite due to a reduction in personnel having to identify well problems, expedite well-trends troubleshooting with gas lift diagnostics, and make recommendations to improve well performance.

LOCATION

Texas, USA

FIELD

Permian

WELL TYPE

Gas lift

PRODUCTS/SERVICES

- ForeSite Production Optimization Platform

