## ForeSite<sup>®</sup> 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 (Qgi) 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



weatherford.com

© 2024 Weatherford. All rights reserved. 13831.00

Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford.com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford and may be registered in the United States and/or other countres. Weatherford products and services in accordance with the terms and conditions, services in accordance with the terms and conditions set forth in the applicable contract therewas in events in accordance bind products and services in accordance with the terms and conditions set forth in the applicable contract therewas in events in accordance bind products and services in accordance with the terms and conditions set forth in the applicable contract therewas in events in accordance bind products and services in accordance with the terms and conditions set forth in the applicable contract therewas in the information of the applicable contract therewas in accordance bind products and services and services in accordance bind products and services in accordance bind products and services in accordance bind products and services in accordance bind p