

## ForeSite® EDGE

Boosts Production 25%, Eliminates Wellsite Visits 65%, Reduces Failures 15%



ForeSite Edge improved production by 25% and decreased wellsite visits by 65%.

### Objectives

- Improve well productivity through continuous optimization on 15 reciprocating rod-lift (RRL) wells in an unconventional field with dynamic well behavior.
- Improve personnel efficiency and reduce safety and environmental risks by leveraging real-time surveillance and high-frequency data.

### Our Approach

- Retrofit ForeSite Edge to the existing automation equipment to enable real-time surveillance and control while leveraging the ForeSite production optimization platform.
- Once deployed, ForeSite Edge utilized high-frequency data collection to provide key measurements.
- Autonomous Control Logics (ACL) developed by Weatherford were implemented to optimize key performance metrics on surface and subsurface to further production optimization opportunities.

### Value to Customer

- ForeSite Edge delivered end-to-end digital capabilities on all 15 RRL wells, improved production by 25%, reduced failures by 15%, decreased wellsite visits by ~65%, and improved ROI.
- ForeSite Edge optimized over-pumping well conditions while maintaining stable production for 90 days (trial period) and improved equipment reliability.
- High-frequency surveillance allowed the customer to proactively identify what wells required preventive and corrective maintenance.
- Based on the results of the trial, the customer expanded the usage of ForeSite Edge with a development of 2 new ACLs—Inferred Production ACL and Bucking ACL.

#### LOCATION

Permian Basin, USA

#### WELL TYPE

Reciprocating rod lift

#### DEPTH

7,000 ft (2,133.6 m)

#### PRODUCTS/SERVICES

- ForeSite Edge
- ForeSite Enterprise Production Optimization Platform

