

# ForeSite® Edge Boosts Production, Reduces Failures 8%, Increases Incremental Revenue Approximately \$670,000 Per Year

## Objectives

- Increase production for 17 rod-lift wells and 36 gas-lift wells.
- Leverage high-frequency data to enable remote surveillance and control, trending capabilities, and managing wells by exception, improve uptime by reducing failures rate.
- Improve personnel efficiency and reduce safety and environmental risks by leveraging real-time surveillance and high-frequency data.
- Reduce buyback gas costs.

## Our Approach

- Retrofit ForeSite Edge to the existing automation equipment to enable real-time surveillance and control while leveraging the customer's enterprise-level ForeSite production optimization platform solution.
- Once deployed, ForeSite Edge used high-frequency data collection to provide key measurements such as strokes per minute (SPM), pump fillage, effective runtime, strokes per day, and more. This data led to optimization opportunities on each well.
- 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 23 out of 36 gas-lift wells where it successfully maintained the minimum liquid production targets for each well within the constraints of the available injection gas rate/volumes (Qgi). This resulted in optimized Qgi on well pads using both recycled gas and buyback gas for injection.
- Well visibility and control efficiency was improved by leveraging high-frequency data, real-time alerts, and optimized speeds through autonomous control. This resulted in increased runtime for 16 rod-lift wells, boosting oil production by 28 BPD and generating an additional \$670,000 in annual revenue.
- Autonomous control reduced failure 8% by making recommended changes remotely, pushing immediate alerts, and maintaining pump fillage above the desired target.
- Based on the success of ForeSite, expansion opportunity (100 wells) revenues are estimated at \$4.2M annualized.



ForeSite Edge increased incremental revenue by \$670,000 per year for 23 rod-lift wells.

### LOCATION

Eagle Ford

### WELL TYPE

Gas-lift and rod-lift wells

### PRODUCTS/SERVICES

- ForeSite Edge
- ForeSite Production Optimization Platform

