

ForeSite® EDGE

Enhances Well Production by 12%, Reduces Site Visits by 50% in an Unconventional Field

Objectives

- Improve well productivity by enhancing production on 3 rod-lift pilot wells in an unconventional field with dynamic well behavior.
- Improve personnel efficiency and reduce safety and environmental risk by enabling real-time surveillance and optimization.

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 3 pilot wells, improved production by 12%, reduced site visits by 50%, 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 pilots, the customer expanded ForeSite Edge capabilities to all 120 rod-lift wells in the field.



ForeSite Edge enhances well production by 12% and reduces site visits by 50%.

LOCATION

USA, Rockies Area

WELL TYPE

Reciprocating rod lift

DEPTH

8,200 ft (2,500 m)

PRODUCTS/SERVICES

- ForeSite Edge
- ForeSite Production Optimization Platform
- Variable Speed Drive (VSD)

