

## ForeSite® EDGE

### Leverages High-Frequency Data and Autonomous Control to Boost Production 38%



ForeSite Edge uses high-frequency data collection in real-time to provide key measurements that further enhance production optimization.

#### Objectives

- Improve well economics on 7 reciprocating rod-lift (RRL) wells in a mature, conventional field by capturing well dynamic conditions using high-frequency data and autonomous control.

#### Our Approach

- Retrofit ForeSite Edge to the existing automation equipment to enable optimization locally at the wellsite while leveraging the ForeSite production optimization platform.
- Once deployed, ForeSite Edge utilized high-frequency data collection in real-time to provide key measurements.
- Autonomous control logics (ACL) developed by Weatherford for standard operating rod-lift wells were implemented to optimize key performance operating parameters to further enhance production optimization opportunities.

#### Value to Customer

- ForeSite Edge delivered end-to-end digital capabilities on all 7 RRL wells, increased production by 38%, and improved ROI during the pilot period.
- By recognizing new patterns through the insights gained from utilizing high-frequency data collection, the customer was able to gain a deeper understanding of well behaviors, aiding in future decision-making regarding the wells.
- After the success of the pilot period, the customer advanced to the next phase of expansion by deploying ForeSite Edge on 200 wells.

#### LOCATION

Southeast Asia

#### WELL TYPE

Reciprocating rod-lift (RRL)

#### FORMATION

Conventional

#### PRODUCTS/SERVICES

- ForeSite Edge
- Rod Pump Controller

