ProductionLink Edge automates artificial lift operations, boosting gas production by 5% and reducing methane emissions by 94%
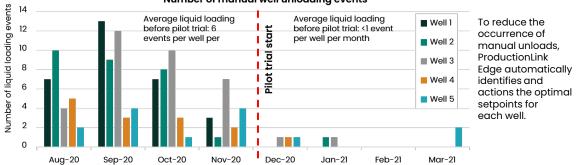
CHALLENGES

- Production engineers struggle to effectively analyze hundreds of wells with unique and dynamic characteristics
- Field operations personnel cannot implement correct well settings at the speed and precision required across the field
- Drive to increase production while reducing emissions not possible with current operational practices

SOLUTION

ProductionLink™ Edge smart artificial lift automation solution selected for its ability to:

- Use dedicated machine learning algorithms to learn well behavior and set optimal setpoints
- Automatically control well parameters to avoid liquid loading and minimize methane emissions
- Combine its secure, flexible, cloud-based edge computing platform with existing field hardware to increase well production

RESULTS

10 wells
deployed the lift optimization solution

5%
increase in average gas production

94%
reduction in well unloading events and associated emissions

This automated artificial lift solution let the customer boost well production and optimize their field resources—all while lowering carbon footprint.

Number of manual well unloading events

Average liquid loading before pilot trial: 6 events per well per

Pilot trial start

Average liquid loading before pilot trial: <1 event per well per month

Legend: Well 1, Well 2, Well 3, Well 4, Well 5

To reduce the occurrence of manual unloads, ProductionLink Edge automatically identifies and actions the optimal setpoints for each well.

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