CASE STUDY: PERMIAN BASIN, UNITED STATES

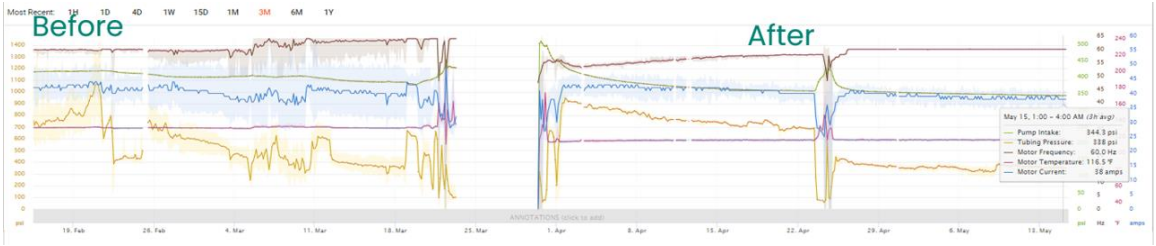
LIFTPrime E2000 pump with boosted gas separator increased production by 30 percent, added $1.3M USD in revenue annually

CHALLENGES

- Reduction in pump efficiency due to high free gas in unconventional oil well
- Reduction in anticipated production due to high pump intake pressure (PIP) >400psi
- Needed to operate the ESP with steady operations, improve fluid level drawdown and extend ESP runlife for increased production compared to conventional ESP

SOLUTION

- Baker Hughes recommended the 400 Series LIFTPrime high-efficiency E2000 pump and the Boosted gas separator for their ability to:
  - Achieve the highest efficiency across the widest flow range in the industry
  - Remain operating in good condition even during periods of rapid well decline and in high fluid viscosity applications and/or deep set, unconventional wells
  - Increase lift inside the gas separator, in turn increasing recirculation (flow out of vent) with boosted stages



Production details with conventional ESP versus ESP with E2000 LIFTPrime pump and boosted gas separator.

RESULTS

Boosted
Lift efficiency, improved fluid level drawdown, and reduced PIP from 420 to 323 psi

$1.3M USD
Increase in annual revenue through a 30 percent increase in average production

5%
Reduction in power consumption

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