

# ProductionLink Expert service stabilized ESP operation and increased oil production 45%, and gas production 27% in Permian well

## CHALLENGES

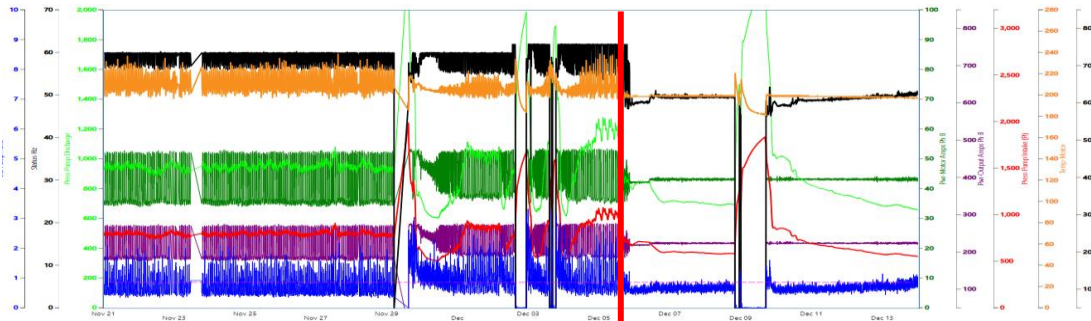
- Gas interference in the pump
- Unstable motor temp due to gas interference
- Unstable Pump Intake Pressures from the pump/gas interference
- Increased vibration in the ESP
- Oil and gas production was being deferred and customer was not hitting targets

## SOLUTION

- [ProductionLink™ Expert artificial lift monitoring service](#) was utilized for its real-time, remote asset monitoring services. The team:
  - Switched from Fixed Frequency to PID Amp Mode
  - Ensured the high speed and low speed clamps were properly selected
  - Adjusted the PID proportional and integral gains

## RESULTS

- Increased oil production 45%
- Increased gas production 27%
- Stabilized the motor temperature and decreased average motor temp by 12°F
- Increased intake pressure drawdown by 300+ psi
- Stabilized the amp swings
- Decreased vibration in the ESP
- Increased run life by stabilizing the ESP operation



Well trend before and after switching from Fixed Frequency to PID Amp mode