



Performance Monitoring & Optimization: Minimize Downtime

BACKGROUND

A customer experienced repeated fluctuations in discharge from gas lift wells in Texas, where Valerus provided compression. With discharge varying from 1000 pounds one day to 600 the next, the customer suspected a problem with the compressor and repeatedly called Axip to send a mechanic to investigate.

CHALLENGES

With each call-out, the Axip mechanic found that the compressor was operating properly, but a gas lift valve was open, lowering the discharge.

By installing Axip COMMAND™ performance monitoring sensors on the equipment, Axip monitored runtime reports, pressure and flow data, and also captured seven days of trend data. The trend showed how discharge pressure would fluctuate among up, down and flatline status.

After sharing trend data with the customer, Axip used real-time data to show the malfunctioning gas lift valve “hanging up” as it happened. From a laptop computer, the customer could see evidence that the discharge was lowered every time the valve opened, and the valve remained open with every use.

Performance monitoring in this case provided evidence that the fluctuating discharge was a result of the faulty valve, which was replaced. In addition, the data helped identify tiny pipe leaks that contributed to the problem.

ADVANTAGE

Communicating actionable information to the customer through performance monitoring helped minimize downtime and improve performance and reliability of their operations. In addition, the customer has asked Axip to install the system on other wells. Call-outs have significantly reduced and safety has improved with ongoing performance monitoring.



LOCATION

Texas, USA

PRODUCT LINES

Contract Compression,
Performance Monitoring

SCOPE OF WORK

Response to onsite incident,
ongoing follow-up

CONTRACT TYPE

Contract Services

DELIVERY TIMELINE

Immediate, ongoing

COMPLETION DATE

2013

AXIP | COMMAND™

Powered By: **ENBASE**
Energy Technology