

FloBoss™ 107 Brings High Return on Investment Incorporating Well Optimization Manager

RESULTS

- Enhanced safety and reduced cost by minimizing number of trips to the field
- Increased production by 40%
- Well optimization, along with remote control, allows for year round production even during inclement weather
- Field technicians liked the ease of the Emerson solution



APPLICATION

Onshore production – wellhead optimization

CUSTOMER

An active producer in the Pinedale Anticline of Wyoming

CHALLENGE

The legacy field of competitive RTUs did not allow for communications with the SCADA host. This resulted in only about six months of production per year on many of the wells due to extreme snow pack during the winter months. In addition, Plunger Lift Optimization was difficult to perform manually.

The existing wellpad system did not allow for remote visibility to the plunger lift controls. Snow conditions limited the ability to drive to sites for well control changes during the winter months. Many of the wells typically had to be shut-in.

This active producer was looking for a complete solution (new technology, flow measurement, new cabinet, and remote communications capability) for short installation time and out-of-the-box operation for improved production and remote plunger lift control.

“Operators were able to get up to speed on making the most of the program and maximizing production after only two months.”

SOLUTION

The solution was simplified with the use of the FloBoss 107 loaded with the SmartProcess™ Oil & Gas Application Suite's Well Optimization Manager.

Next-generation multivariable sensors with over-range measurement provided measurement covering the full range of plunger lift well operations. The resulting increase in production was about 40%. Even at low natural gas prices, this high ROI was more than expected.

Utilizing a serial port to connect the flow computer to the radio network now allowed operations to monitor and control the well remotely. Operators could check the status of operating wells without having to drive to the site. The wells had a much better chance of remaining in operation for 365 days a year versus only about 180. In addition, the amount of truck traffic on the Anticline was reduced, which is always a welcome improvement for HSE concerns.

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