

Natural Gas Producer Reduces Production and Operating Expenses with MultiVariable™ Technology

RESULTS

- Reduced production and operating expenses
- Decreased capital costs
- Faster well start-up time

APPLICATION

Natural Gas Flow - Custody Transfer

CUSTOMER

Leading natural gas producer in the United States

CHALLENGE

This natural gas producer drills over 1,000 new wells each year and places four to five new wells online each day. Because of the tremendous amount of resources required for this size of operation, this customer was looking to find increased efficiencies for its limited number of instrument technicians and reduce the capital required for new well installations.

This producer was using three separate devices to measure natural gas flow from its wells. This required four to six hours of labor from pipe fitters and instrument technicians to install as well as additional analog input cards for their remote terminal units (RTU).

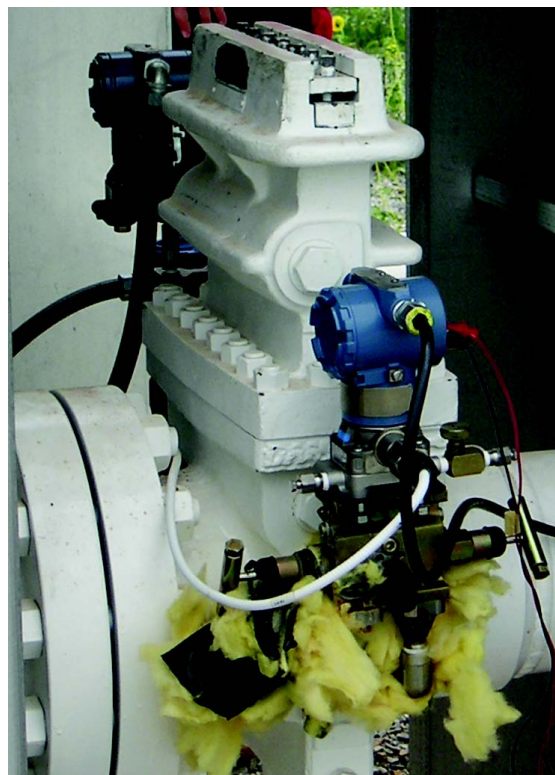
The complexity of well site instrumentation caused high operating expenses and slower start up due to labor and installation time. This producer also incurred high capital costs due to the number of devices needed, additional RTU input cards, larger batteries and solar panels required for 4-20 mA devices.

SOLUTION

The Rosemount 3095FB MultiVariable Transmitter replaced the three separate devices the producer previously used on their new wells. The 3095FB integrates the differential pressure, line pressure, and process temperature measurements into a single device.



The Rosemount 3095FB enabled faster well start up by reducing installation and calibration time.



The Rosemount 3095FB Installed

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EMERSON™
Process Management

The best core technology and implementation capabilities within the Rosemount 3095FB enabled faster well start up by reducing installation and calibration time to less than two hours. As a result, production and operating expenses were decreased. The 3095FB lowered capital costs because each installation only required one device instead of three and the RTU needed fewer analog input cards. In addition, the 3095FB with MODBUS[®] protocol consumes less power than three separate 4-20 mA devices. This decreased capital costs through increased battery life and smaller sized solar panels.

RESOURCES

Rosemount 3095FB Product Data Sheet

<http://www.emersonprocess.com/rosemount/document/pds/3095fb.pdf>

Rosemount 3095FB Web Page

<http://www.emersonprocess.com/rosemount/products/pressure/m3095fb.html>

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