

# Independent Natural Gas Producer Lowers Operations and Maintenance Costs with Magmeter Technology

## RESULTS

- Lowered operations and maintenance costs
- Increased well availability
- Decreased risk of environmental fines



*The Rosemount 8700 Magnetic flowmeter provided improved reliability and performance for regulatory reporting and field management.*

## APPLICATION

Produced water flow off production separators

## CUSTOMER

Independent gas producer in the United States

## CHALLENGE

This customer had difficulty maintaining accurate measurements of produced water from their existing natural gas wells. The information is important to the customer for regulatory reporting and field management decisions. This customer operates over ten thousand wells in the U.S. and drills over a thousand new wells each year making the measurement of produced water a significant task.

On existing wells the customer previously used turbine meters to measure the produced water. These flowmeters were susceptible to sand and gas slug carry under which caused excess wear and required frequent cleaning to maintain an accurate measurement. In between cleaning and maintenance operations, the turbine meters would drift, causing unreliable measurements.

This natural gas producer experienced increased operations and maintenance costs associated with turbine meters. The maintenance in some cases required that the well be taken off-line reducing production revenue. As turbine meter performance declined, produced water was under reported risking environmental fines.



*The Rosemount 8700 Magnetic Flowmeter.*

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### SOLUTION

The natural gas producer solved their challenges with produced water measurement by using Rosemount 8700 magnetic flowmeters. Since 8700 flowmeters have no moving parts, their accuracy did not drift. This eliminated the frequent maintenance inherent to mechanical flowmeters.

The Rosemount 8700 Magnetic flowmeter lowered operations and maintenance costs and increased well availability by eliminating turbine maintenance for new and retrofit natural gas wells. Lastly, accurate produced water measurement decreased the risk of incurring environmental fines.

### RESOURCES

#### Emerson Process Management Oil and Gas Industry

<http://www2.emersonprocess.com/en-US/industries/oil-gas/Pages/OilandGas.aspx>

#### Rosemount E-Series Magnetic Flowmeter Transmitters

<http://www2.emersonprocess.com/en-US/brands/rosemount/Flow/Magnetic-Flowmeters/E-Series-Transmitters/Pages/index.aspx>

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