



# “I lack the accurate production data I need to effectively manage my asset performance.”

*For smart decision-making, you need a comprehensive understanding of a well's history, along with complete details on surrounding wells. Without accurate well data, you could miscalculate estimated ultimate recovery or drainage - leading to costly mistakes.*

IHS, US Well Data 2012, <http://www.ihs.com/products/oil-gas-information/well-data/us.aspx>

## What if...

- You could spend less time second-guessing data and more time on value-adding decisions?
- You could reduce trips to the field to check on separator operations?

## How confident are you in the flow measurements off your separator?

You constantly collect data from your test and production separators, noting which combination of wells will allow you to meet your production targets this week – but can you trust your measurement data? With the erosive and corrosive fluids that you produce, your separator maintenance program can be a full time job.

Production targets don't wait on downed equipment, and maintenance intensive equipment puts your personnel in the field, increasing driving risks and operational exposure. When process upsets occur, venting, flaring and phase carryover can not only cost your operation valuable production, but it can also expose you to regulatory compliance issues. To keep up with today's environment of fast-paced development, you need reliable, accurate instrumentation and measurement you can count on.

*Production managers we talk to tell us about challenges like these:*

## “I've got to make production decisions using separator measurements that I do not trust.”

Accurate and timely data on gas, oil and water flows is critical to meeting production targets. Out of date allocation based on questionable metering, hamper your ability to effectively manage your reservoir and maximize your return on your E&P investment.

## “I am continuously sending people out to the field to check, repair and maintain my separators.”

Experienced personnel are hard to come by and tying your team up with verification checks, maintenance and repairs of your separator meters is an inefficient use of your valuable resources. Not to mention, each trip to the field increases exposure of both your personnel and the community in which you work to driving hazards. More reliable equipment would reduce your operational and driving risk exposure.

## “My organization needs to comply with rapidly changing environmental regulations.”

Increased attention to venting and flaring of gas and the high cost of treating produced water means process upsets leave you exposed to regulatory compliance costs. You want to do what's right by your company and the community you live in, and identify and mitigate process upsets quickly and efficiently.

## SEPARATORS

You're under constant pressure to optimize your field's performance to meet production targets, all while maintaining a world-class safety and environmental record.

Using Micro Motion Coriolis flow and density meters with other solutions from Emerson will give you the reliability and accuracy you need to confidently and efficiently manage your field production. These solutions will minimize your time spent verifying data and maintaining meters. When process upsets do occur, timely detailed diagnostics allow you to address the root cause quickly, minimizing lost product and regulatory exposure. With no moving parts to replace and minimal maintenance, you'll be able to spend more time on value-added activities rather than rework and trouble-shooting.



### PROCESS VARIATIONS WITH EASE

Emerson's technology is designed to operate under dynamic conditions and deliver accurate, precise results. Our portfolio of Coriolis flow and density meters will help you meet a broad range of stringent product specifications, decrease maintenance, and improve efficiency. Using these tools will help you ensure that your separator operates as designed and delivers the production data you need.

### DIAGNOSE SEPARATOR PROCESS UPSETS

With Emerson, you'll work with tools that will give you flexibility to adapt to new and unexpected process upsets. Comprehensive information from our Smart Meter Verification and diagnostics will help you fine-tune existing processes. All of this will help you minimize time spent trouble-shooting issues and keep your separators running smoothly.

*In a flow audit of 83 PD meters installed on the oil legs of separators, six meters were out of range by more than 15% with only 38% of the meters within an acceptable accuracy range. The customer replaced the PD meters with F-Series Coriolis flowmeters for a lower total cost of ownership.*

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