

Oil and Gas Flow Rate Measurement: It's Not that Simple

Presentation to
Ernest E. Smith Oil, Gas, and Mineral
Law Institute

March 29, 2019, Houston, TX



www.lettonhall.com

1

The Letton Hall Group

- Founded by Jim Hall and Chip Letton in early 2001
- Deep domain knowledge in oil, gas and multiphase flow
 - ▢ Largest group of senior experts in flow measurement domain
 - ▢ Experience in measurement R&D, system design, operations
 - ▢ Over 700 publications, 45 patents
- Industry leadership in technology and standards development
- Worldwide business and cultural experience



2

2

Oil and Gas Flow Rate Measurement

Goal Today:

Convince you that this is an oilfield technology area where it is very easy to get it wrong.

Common Liquid Flow Meters

- **Positive Displacement (PD)**
- **Turbine**
- **Coriolis**
- **Transit-Time Ultrasonic**
- **Differential**
- **Vortex**
- **Magnetic**
- **Pitot**
- **Doppler Ultrasonic**

Find the full text of this and thousands of other resources from leading experts in dozens of legal practice areas in the [UT Law CLE eLibrary \(utcle.org/elibrary\)](http://utcle.org/elibrary)

Title search: Oil and Gas Flow Rate Measurement: It's Not That Simple

Also available as part of the eCourse

[Oil and Gas Flow Rate Measurement on Land and Offshore](#)

First appeared as part of the conference materials for the
45th Annual Ernest E. Smith Oil, Gas and Mineral Law Institute session
"Oil and Gas Flow Rate Measurement: It's Not That Simple"