


Grande Prairie CsHm Short Course

October 18th, 2011

	Stream-1 <i>Regulatory Impact for Operations</i> Taqa North Meeting Room	Stream-2 <i>Operational Best Practices</i> Devon Canada Meeting Room	Stream-3 <i>Small Equipment Hands on Training</i> Intricate Group Meeting Room	Stream-4 <i>Measurement 101/200</i> ConocoPhillips Meeting Room	Stream-5 <i>Large Equipment Hands on Training</i> Procon Systems Meeting Room
7:00 - 07:55	Registration/Coffee				
08:00 - 08:50	Tundra Process Solutions Exhibitor Hall	Opening of the School			
09:00 - 9:50	Tundra Process Solutions Exhibitor Hall	Exhibitor Presentations			
09:55 - 10:10	Coffee Break				
10:10 - 11:00	Measurement by Difference Everyone does it, but not many do it right! Learn about the regulatory requirements around measurement by difference, what is and what isn't permitted by both the ERCB and OGC. Wayne Dunnington Intricate Group Inc.	Safe & Proper Operation of a Senior Orifice Fitting How the fitting operates internally and the safe method in which it should be operated. What issues can be encountered that cause error in the meter and how to rectify them. Soft Seat Operation versus Hard Seat. Brady McKay Daniel Industries	Gas & Liquid Sampling Procedures Sampling Procedures that help to ensure a representative sample of either gas or condensate Dale Werbowy & Ray Brown Maxxam Analytics	Better Chart Practices What is required by Dir 17 and how missing info can impact your companies bottom line Andrew Rau Canadian Natural Resources	Liquid Meter Run Measurement Demo Richard Hansen Caron Controls & Sky Eye Measurement
11:05 - 11:55	Enhanced Production Audit Program Update Changes to EPAP Annual Declaration Theme Findings Screens that were implemented in the 1st quarter of 2011. Observations and suggestions will be provided w/ respect to how the EPAP annual declaration should be completed. Best practices for operators planning for their 2012 evaluations of controls process. Shelley Weyman & Colby Ruff ERCB	Fundamentals of Process Radar Level Measurement Basic theory & operation of process radar level instrumentation. Guided wave & non-contacting radar, how to apply & common applications Jody MacDonald Spartan Controls	Natural Gas Analysis & Interpretation It's crucial to ensure proper analytical measurement of natural gas resources during production. Flow rate, physical properties, & chemical composition can all impact the financial revenue Farrukh Naveed AGAT Laboratories	Severe Service Measurement Using Ultrasonic Technology Focus on sensor technology that further extends those benefits into sour gas, control valve noise and flare applications Wade Stinson SICK Ltd.	
12:00 - 12:45	Lunch				
12:50 - 1:40	New ERCB Dir 17 Measurement Schematic Requirements Will look at the requirements and some of the challenges to a successful implementation Rhon Rose Facility Studio	Panel Discussion with: Bill Cheung Kirk Howell Bernie Brunsch Mark Flynn Phil Barg	Well Conditioning and Sampling Reservoir fluid analysis provides some of the important basic data necessary to the petroleum engineer. Precise control of PVT laboratory fluid studies can be maintained through the use of accepted analytical procedures, data evaluation techniques & built-in quality control checks. Dawson Milbury & Grant Rowsell Core Labs	Gas Measurement 101 Introduction into Gas Measurement "Why we need to measure?" Providing an introduction into the many types of meters, secondary instrumentation and gas quality equipment. Leave with a basic understanding of how and why we measure gas. Rick Rans RANsolutions	Operation of a Dual Chamber Orifice Fitting Cody Babchuk Strata Controls
1:45 - 2:35	Trucked in Receipt Point Measurement Requirements Jonathon Wasyluk PennWest		Why has my gas meter been calibrated with water? Explore the measurement concept of a Reynolds number and how the factory test results can be applied when measuring a fluid different from water Donald Hammill Cameron Measurement	Importance of Proper Sampling and Analysis on Measurement Allocation Jon Cheesman Core Laboratories	Liquid Meter Proving Review and discuss measurement around the processes of meter proving and calibration Ron Brown Surepoint Group
2:30 - 2:40	Coffee Break				
2:45 - 3:35	What's New in Directive 17 This presentation updates the audience on what are the latest additions to Directive 17 together with clarifications Bill Cheung ERCB	Proper Air Removal An analysis of the effectiveness of air eliminators on truck unloading stations. How they work and their importance regarding measurement accuracy Norm Seatter Goshen Enterprises	Test Separator Measurement Using Coriolis Technology Theory and operation of net oil measurements using coriolis technology and some of the challenges on test separator measurement Jody MacDonald Spartan Controls	Reading & Understanding Metering Schematics Maureen Evers-Dakers CCS Midstream	Challenges When Trying to Measure Flare Gas This hands-on session will show ultrasonic flow meters used in flare applications and the unique diagnostic tools available to operations Wade Stinson SICK Ltd.
3:40 - 4:00	Tundra Process Solutions Exhibitor Hall	Closing			