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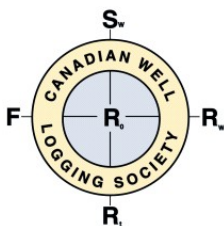
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## **CANADIAN WELL LOGGING SOCIETY**

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[www.cwls.org](http://www.cwls.org)

**Wednesday, June 9<sup>th</sup>, 2010**

### **CWLS TECHNICAL LUNCHEON PRESENTATION FAIRMONT PALLISER HOTEL 133, 9TH AVE. S.W. CALGARY**

**TIME: 12:00 PM**

**RESERVATIONS BY: Friday, June 4th, 2010 (NOON) - CALL 269-9366 TO CONFIRM A SEAT**

#### **COST:**

MEMBERS RESERVED MEAL: \$35.00; NON-MEMBERS RESERVED MEAL: \$40.00  
(SPECIAL NEEDS MEALS AVAILABLE WITH ADVANCED BOOKING ONLY; PLEASE  
REQUEST WHEN ORDERING TICKET)

#### **TOPIC:**

**Tight and Unconventional Gas Reservoir Evaluation and Optimization**

#### **SPEAKER:**

**Dr. Brant Bennion, Weatherford Laboratories**

#### **ABSTRACT:**

Unconventional gas reservoirs fall into three broad categories:

1. Gas Shales (e.g. - Muskwa, Barnett, etc.)
2. "Tight" gas with sub-normally low initial water saturations (e.g. – Montney, Jean Marie)
3. "Tight" gas with normal capillary equilibrium saturations (e.g. – Milk River, Med Hat, 2WSS)

The challenges in these reservoirs commonly include:

1. Determining the exact type of reservoir, initial gas in place and determine the potential ability to produce the gas.
2. Optimizing the completion and production strategy to most effectively and economically produce the maximum amount of the resource in place.

This presentation reviews methods and techniques to understand and delineate the type and quality of these various different types of unconventional gas reservoirs, including the crucial parameter of proper evaluation of the initial water and gas saturations that are present, and reviews methods and current technology to best effectively exploit and economically produce the reserve.

#### **SPEAKER BIOGRAPHY:**

Dr. Brant Bennion, P.Eng., has over 30 years of experience in the areas of multiphase flow in porous media, formation damage, phase behaviour, drilling, completions and enhanced oil recovery operations. Brant has been a distinguished lecturer for both the SPE and the Petroleum Society on the topic of formation damage. He lectures as an adjunct Professor at the University of Calgary, is the author/co-author of almost 250 technical papers and has presented talks in over 40 countries in recent years. He has been employed by Weatherford Laboratories (formerly Hycal Energy Research) in various capacities since 1979 and is currently the Director of the Flow in Porous Media Group. He is a registered Professional Engineer with APEGGA and holds BSc. and Ph.D degrees in Chemical and Petroleum engineering from the University of Calgary.

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**CWLS Luncheons and courses  
quality for APEGGA  
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Hours.**

Please see the CWLS Website at  
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CWLS Formation Water (RW)  
Catalog CD.

**Notes:** Please forward this notice  
to any potentially interested co-  
workers. Thank you.