APEGGA MEMBERS:
CWLS Luncheons and courses qualify for APEGGA Professional Development Hours.

Please see the CWLS Website at www.cwls.org for information regarding a Corporate Network License for the recently published CWLS Formation Water (RW) Catalog CD.

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

CANADIAN WELL LOGGING SOCIETY

2200, 700 – 2nd Street S.W., Calgary, Alberta T2P 2W1
Telephone: (403) 269-9366
Fax: (403) 269-2787 www.cwls.org

Wednesday, January 14th, 2009
CWLS TECHNICAL LUNCHEON PRESENTATION
FAIRMONT PALLISER HOTEL
133, 9TH AVE. S.W. CALGARY

TIME: 12:00 PM (COCKTAILS AT 11:30 AM)
RESERVATIONS BY: Friday, January 9th, 2009 (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: SCAL using NMR: Current Techniques and Beyond

SPEAKER: Derrick P Green, President, Green Imaging Technologies

ABSTRACT:

Green Imaging Technologies, Inc. (GIT) specializes in providing Magnetic Resonance Imaging (MRI/NMR) solutions for routine and special core analysis. In addition to traditional NMR-based pore size distribution measurements using T2 or T1, GIT has developed techniques to obtain accurate saturation distributions in the rock using reservoir fluids. These saturation distributions can be combined with centrifuge or pressure apparatus to obtain Capillary Pressure or Relative Permeability. Our current commercial product offers measurement and analysis of Capillary Pressure, T2 distributions, and Saturation/Porosity Profiles.

Traditional centrifuge capillary pressure measurements require the fluid(s) to reach equilibrium at many different speeds. This is very time consuming as each equilibrium step can take days. A new method, called GIT-CAP, directly measures the water saturation distribution in the core plug using as few as two centrifuge speeds. The measured water saturation, together with the known centrifugal force, directly leads to a capillary pressure curve. The new technique measures the capillary pressure curve more quickly and accurately, and leads to significant increases in lab throughput, giving clients their results when they need them.

This presentation will provide an overview of GIT, the underlying MRI technology, current NMR T2 Distributions, a brief description of the patented technique for finding capillary pressure. It will also summarize the results of the technical validation trial conducted in 2007, and provide a look at future work, such as relative permeability.

BIOGRAPHY

Derrick Green holds a Bachelor of Science and a PhD in Electrical Engineering from the University of New Brunswick, Canada. For the last 3 years, Mr. Green has served as President and Chief Technical Officer for Green Imaging Technologies, Inc. (GIT) in Fredericton, New Brunswick. GIT designs and markets NMR/MRI software for routine and special core analysis, aimed primarily at the petroleum industry. Before that, Derrick spent 6 years developing new medical MRI products, technologies and measurement techniques for Philips Medical Systems in Cleveland, Ohio. His strengths include research and product development, project management and developing new MRI testing techniques. Derrick has led many major research and development projects over his career and is a member of several industrial organizations, such as the Society of Petroleum Engineers and Society of Core Analysts. Derrick is a registered professional engineer in the State of Ohio.