



HOUSTON GEOLOGICAL SOCIETY

Explore Our Connections

Applied Geoscience Conference (AGC) 2010 AGC of US Gulf Region Mudstones as Unconventional Shale Gas/Oil Reservoirs

February 8-9, 2010

Hilton Houston North, Houston, TX
INDUSTRY/GOVERNMENT/UNIVERSITY
PERSPECTIVES FOR GULF COAST REGION
MUDSTONE / SHALE GAS/OIL RESERVOIRS

- Learn Mudstone System Characterization.
- See Practical Applied Methods for Mudstone Shale Reservoir Characterization.
- Hear new technical perspectives of the Haynesville, Bossier & Eagle Ford Shales.
- Apply these reservoir characterizations to Effectively Complete These Targets.
- Focus with Shale Gas/Oil experts within the characterization fields of exploration geology, exploitation geology, geochemistry, nanno scale petrology, geomechanics, log analysis, & completions engineering

COMPREHENSIVE TECHNICAL PROGRAM SHALE HC CHARACTERIZATION EXPERTS:

Joe Macquaker MEMORIAL UNIVERSITY	Kevin Bohacs EXXONMOBIL
Gary Lash SUNY Fredonia	Nicholas Harris, COLORADO SCHOOL OF MINES
Roberto Suarez-Rivera TERATEK, Schlumberger	Kitty Milliken TEXAS BEG / U of T
Rick Lewis SCHLUMBERGER	Dan Jarvie WORLDWIDE GEOCHEMISTRY
Jackie Reed REED CONSULTING	Mike Conway STIM-Lab
Richard Vessell GEOSYSTEMS	Phil Martin NEW CENTURY EXPLORATION INC.
Bob Bereskin BERESKIN AND ASSOCIATES	Ursula Hammes TEXAS BEG / U of T

AND ADDITIONAL INDUSTRY SPEAKERS

Limited Seating available!

Register at:

www.hgs.org/en/cev/1056

Sold out in 2009

We will see you there!

TECHNICAL PROGRAM COMMITTEE

Frank Walles
President, AAPG Energy Minerals Division
Sr. Geol. Advisor Unconventional Resources
DEVON ENERGY CORPORATION
Michael Van Horn, *Vice President-Geoscience*
NEWFIELD EXPLORATION COMPANY
Bruce Martin, *Senior Staff Geologist*
SOUTHWESTERN ENERGY
Mike Cameron *Corporate New Ventures*
NEWFIELD EXPLORATION COMPANY



**Houston Geological Society
Applied Geoscience Conference (AGC)**

The Hilton Houston North Hotel, Houston, Texas

Monday February 8, 2010 Agenda

**US Gulf Region Mudstones
As Unconventional
Gas/Oil Reservoirs**

MONDAY TECHNICAL PROGRAM CHAIRPERSONS:

Frank Walles, AAPG Energy Minerals Division President

Sr. Geol. Advisor Unconventional Resources

DEVON ENERGY CORPORATION

Michael Van Horn

Vice President-Geoscience

NEWFIELD EXPLORATION COMPANY

7:00 - 8:00 AM Registration - Atrium Hilton Houston North (with Breakfast Items: Juice/Coffee/Rolls)

8:00 AM **“Approaches to Mudstone Characteristics Leading to HC Productivity”**

8:15 AM “Sequence stratigraphy in fine-grained rocks at the field to flow-unit scale: insights for correlation, mapping, and genetic controls ”

Kevin Bohacs, Sr Hydrocarbon Systems Consultant, *ExxonMobil Upstream Research*

9:00 AM “Mud dispersal on continental shelves and predicting shale gas reservoirs “
Joe H.S. Macquaker, *Professor, Memorial University, Newfoundland, Canada*

9:45 AM *Break*

10:05 AM “An Integrated Geological and Petrophysical Study of a Shale Gas Play:
Woodford Shale Permian Basin, West Texas”

Nick Harris, *Professor, University of Alberta, Edmonton CA / Colorado School of Mines*

10:50 AM “Processes and Controls on Shale-Oil/Condensate Production”

Daniel Jarvie, *President, Worldwide Geochemistry / Institut Francais du Pétrole*

11:40 AM *Buffet Luncheon - Atrium*

1:00 PM **“ Practical Applied Methods for Shale Reservoir Characterization”**

1:10 PM “Stratigraphic analyses of Shale Systems - The Marcellus Shale Example and how those analytical techniques may be useful for characterizing Gulf Coast Shale Systems”

Gary Lash, *Professor of Geosciences, SUNY Fredonia*

1:55 PM “A Best Practices Approach for Improved Shale Gas Characterization ”

Jackie Reed, *Reed Geochemical, Stephen Brown, John Zumberge, Geomark Research*

2:40 PM *Break*

3:00 PM "Integrated Imaging and Analysis of Sedimentary Materials: the Mudrocks"

Kitty Milliken, *Jackson School of Geosciences, U. of Texas, Bureau of Economic Geology*

3:45 PM “Fine Scale Structure of Gulf Region Mudrocks”

Richard Vessell, *Vice President Geology/Petrophysics, GEOsystems LLP*

4:30 PM *Day 1 Summary Analysis - Technical Program Chairs*

Houston Geological Society
Applied Geoscience Conference (AGC)

The Hilton Houston North Hotel, Houston, Texas

Tuesday February 9, 2010 Agenda

US Gulf Region Mudstones

As Unconventional

Gas/Oil Reservoirs

TUESDAY TECHNICAL PROGRAM CHAIRPERSONS:

Mike Cameron

Corporate New Ventures

NEWFIELD EXPLORATION COMPANY

7:00 - 8:00 AM Registration - Atrium Hilton Houston North (with Breakfast Items: Juice/Coffee/Rolls)

Bruce Martin

Senior Staff Geologist

SOUTHWESTERN ENERGY COMPANY

8:00 AM **“US Gulf Region Mudstone Reservoir Characterization:
Haynesville, Bossier, & Eagle Ford Shale Systems”**

8:15 AM “New insights into facies, depositional environments, sequence stratigraphy, and regional extent of the Haynesville Shale of East Texas and Louisiana ”

Ursula Hammes, Scott Hamlin, Jackson School of Geosciences, U. of Texas, BEG

9:00 AM “An industry perspective on the Haynesville Shale Gas Play “
Phil Martin President, New Century Exploration

9:45 AM *Break*

10:05 AM "Got Haynesville" You May Have Mid-Bossier Shale Too”

Randall Miller President , Integrated Reservoir Solutions Division, CORE LABORATORIES

10:50 AM “Imaging and Computing the Physical Properties of Gulf Coast Shales”
Elizabeth Diaz, Chief Geoscientist, Ingrain

11:40 AM *Buffet Luncheon - Atrium*

1:00 PM **“US Gulf Region Mudstone Systems:
Based upon reservoir characterization - How do we complete effectively”**

1:10 PM “Reservoir characterization in mudstone-dominated sequences:
implications for successful completions”

Bob Bereskin, Bereskin and Associates, Mary K Milner, Terra Tek - Schlumberger

1:55 PM “Textural Anisotropy and Mechanical Anisotropy of Gas Shales: Implications to well construction and completion design”

Roberto Suarez Rivera, Rock Mechanics Specialist, Terra Tek - Schlumberger

2:40 PM *Break*

3:00 PM "Evaluation of Horizontal Boreholes in Gas Shales for Hydraulic Stimulation Optimization” **Rick Lewis, Technical Projects Leader, Schlumberger, Oklahoma City**

3:45 PM “Advances in the Completions of Deep, High Pressure Gas Shales”
Mike Conway, President Stim-Lab, a Division of CORE LABORATORIES

4:30 PM **Conference Summary Analysis** - Technical Program Chairs

Applied Geoscience Conference (AGC)

US Gulf Region Mudstones as Unconventional Shale Gas/Oil Reservoirs



The Houston Geological Society presents an Applied Geoscience Conference focusing upon mudstone system characterization to improve exploitation of US Gulf Region Mudstone "Shale Gas/Oil" Reservoirs

This Applied Geoscience Conference (AGC) has four half day sessions :

Monday, February 8

- AM Session:** Understanding Mudstone Characteristics leading to HC Productivity
- PM Session:** Practical Applied Methods for Shale Characterization

Tuesday, February 9

- AM Session:** US Gulf Region Mudstones: Reservoir Characterization of Haynesville, Bossier, & Eagleford Shales
- PM Session:** US Gulf Region Mudstone Systems Based upon reservoir characterization, how do we complete effectively?

15 Credit Hour Certificate (1.5 C.E.U.) will be earned with attendance
Limited seating - so register early!

Registration Deadline of February 2, 2010

February 8-9, 2010

Hilton Houston North

Register <http://www.hgs.org/en/cev/1056/>

or call (713) 463-9476

Attendance is limited -

Register early to obtain a seat!

Two (2) Day Conference Fee

HGS Members

U.S. \$ 550.00 by Jan 15, 2010

U.S. \$580.00 Jan 15, 2010 - Feb. 2, 2010

Non - HGS Members

U.S. \$ 600.00 by Jan 15, 2010

U.S. \$630.00 Jan. 15, 2010 - Feb 2, 2010

Cancellations are subject to \$100.00 cancelation fee

No Refund after January 15, 2010

Special Hotel

Hilton Houston North

Rate

12400 Greenspoint Drive.

of \$ 129 per

Houston, Texas, USA 77060

night

Tel: +1-281-875-2222



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