

Review Meeting
Mudrock Systems Research Laboratory
Bureau of Economic Geology
Austin, TX
MARCH 4-7, 2013

AGENDA

March 4 Monday

MSRL Petrology/Petrography Interest Group Meeting

NOTE: This meeting will be held at the Bureau of Economic Geology Main Building on March 5, the day BEFORE the MSRL main meeting. Attendance is limited. If you are interested, contact Kitty Milliken (kittym@mail.utexas.edu).

March 5 Tuesday

8:00 AM – 5:00 PM: PowerPoint presentations

Presentations held in L'il Texas Room, Commons Building, Pickle Research Campus

8:00 – 8:20 AM Welcome: *Eric Potter, BEG Associate Director for Energy Research*
8:20 – 8:40 AM Status of MSRL Research Activities and Data: *Ruppel*

The Upper Cretaceous Eagle Ford System

8:40 – 9:10 AM Eagle Ford sedimentology and depositional processes, Boquillas Fm: *Frebourg*
9:10 – 9:40 AM Facies continuity in the Eagle Ford Formation: *Ruppel*
9:40 – 10:10 AM Well log analysis of Barnett and Eagle Ford mudrock systems: *Eastwood*
10:10 – 10:25 AM **BREAK**
10:25 – 10:55 AM Cenomanian-Turonian Chemostratigraphy, South Texas: *Rowe*

Pores, Porosity, and Permeability

10:55 – 11:25 AM Organic matter-hosted pore system of the Marcellus Shale: *Milliken*
11:25 – 11:55 AM Variations in pore types and abundance in the Pearsall Shale: *Ko*
11:55 – 1:00 PM **CATERED LUNCH**
1:00 – 1:30 PM Microfractures in Organic-Rich Mudrocks: *Reed*
1:30 – 2:00 PM Relating effective porosity to permeability: *Loucks and Reed*

Sedimentology, facies, and chemostratigraphy I

2:00 – 2:30 PM Facies and Chemostratigraphy of the Skull Creek Shale, Wyoming: *Rowe, Loucks*
2:30 – 3:00 PM Oceanographic and Depositional Models for Leonardian Mudrocks: *Nance*
3:00 – 3:15 PM **BREAK**
3:15 – 3:45 PM Mudrock Lithofacies in the Wolfcamp/Leonard, Midland Basin: *Baumgardner*
3:45 – 4:15 PM Depositional vs. diagenetic origin of lithologic heterogeneity, Barnett Shale: *Milliken*
4:15 – 4:45 PM Chemostratigraphy and Facies of the Haynesville Formation: *Rowe*
4:45 – 5:15 PM Introduction to Poster Presentations

5:15 PM – ? : Icebreaker & Poster and Core presentations

Chemostratigraphy

- Chemostratigraphy for Interpreting Mudrock Lithofacies and Cyclicity: *Nance*
- Chemostratigraphy of the Barnett Formation, Hamilton County, Texas: *McCreight*
- High-resolution Chemostratigraphy of the Haynesville Shale, East Texas: *Woolston*
- High-Resolution Lower Eagle Ford-Austin Chemostratigraphy: *Abdi*
- Chemostratigraphy of the Haynesville Formation, Harrison County, Texas: *Jabri*

Sedimentology and Facies

- Depositional Facies and Environments of Marble Falls carbonates and mudrocks: *Wood*
- Basin modeling of the Haynesville-Bossier System: *Hammes*
- Characterization of Upper Permian Zechstein Group, Germany: *Hammes*

Hydrocarbons, Saturation and Production

- Liquid hydrocarbon extraction, separation and quantification for organic-rich rocks: *Zhang*
- Characterization of Pores and oil saturation from N₂ adsorption/desorption: *Zhang*
- Production trends in the Eagle Ford Formation, South Texas Basin: *Wang*
- Prospectivity and Producibility of Shale Oil Resource Systems: *Maende*

March 6 Wednesday

8:00 AM – 12:00 PM: PowerPoint presentations

Presentations held in L'il Texas Room, Commons Building, Pickle Research Campus

Sedimentology, facies, and chemostratigraphy II

8:30 – 9:00 AM Paleooceanography of the Devonian-Mississippian, Williston Basin: *Rowe*

Hydrocarbon saturation and flow

9:00 – 9:30 AM Hydrocarbon geochemistry and pore characterization of Bakken Fm: *Zhang*

9:30 – 10:00 AM Gas migration in the Anahuac Shale: *Lu*

10:00 – 10:15 AM **BREAK**

10:15 – 10:45 AM Liquid Flow in Ultra-tight Shale Gas Reservoirs: *Javadpour*

10:45 – 11:15 AM Discussion of future research directions: *All*

11:15 – 12:00 PM Introduction to Core Workshop: *Workshop presenters*

12:00 - 1:00 PM **CATERED LUNCH**

1:00 PM – 5:00 PM Core Workshop

Core Workshop held in Bureau of Economic Geology Core Research Center, Building 131, Pickle Research Campus

Core Workshop: Integrating Mudrock Cores with Geochemistry

Bakken: *Rowe*

Marble Falls: *Wood*

Wolfcamp: *Baumgardner*

Bone Spring: *Nance*

Haynesville: *Frebourg, Rowe*

Pearsall: *Ko*

Skull Creek: *Loucks, Rowe*

Tuscaloosa: *Lu*

Eagle Ford: *Ruppel*