

Shale Resource Plays of Oklahoma Virtual Workshop, November 10-13, 2020

WORKSHOP DESCRIPTION

Gas and oil-bearing shales/mudstones are generally organically-rich, fine-grained sedimentary rocks capable of producing hydrocarbons upon artificial fracturing. The most common challenges are to identify the economically viable zones for production and to define optimal stimulation methods for these intervals.

This workshop will focus on the Caney, Goddard and Woodford Shales. Presentations will discuss on the geologic, petrophysical, geochemical, petrographic, mineralogical, reservoir characterization and modeling, and engineering factors that are beneficial for commercial production.

REGISTRATION

Registration is now open.

Registration is required to gain access to the online Zoom platform.

This workshop has been approved for PDH/CEU by AIPG. Attending this virtual workshop will earn you 10 PDH = 1 CEU.

There will be a minimal fee of \$50 for those seeking credits. FREE registration for all other attendees.

Registration Link:

<https://bit.ly/OGS2020reg>

For Updated Schedule:

<https://bit.ly/OGSshale>

Contact Dr. Molly Yunker
(yunker@ou.edu) for more
information.



OKLAHOMA GEOLOGICAL SURVEY

WORKSHOP SCHEDULE

Tuesday, November 10, 2020

- 10:00-10:05 Opening Remarks for OGS Online workshop: Shale resource plays in Oklahoma series**
Dr. Nick Hayman, OGS Director
- 10:05-10:45 An Overview of Oklahoma Shale Resource Plays**
Fnu Suriamin, Brian Cardott, Abbas Seyedolali (Oklahoma Geological Survey)*
- 10:45-11:15 Geochemical characterization of the Upper Mississippian Goddard Formation, Noble Ranch Group, and related oils in the Anadarko Basin of Oklahoma**
Catherine A. Pearson and R. Paul Philp (School of Geosciences, University of Oklahoma)*
- 11:15-11:45 The Goddard Shale in the eastern Anadarko Basin: understanding an exceptionally productive mudrock reservoir with fluid-sensitive clay**
Justin D. Spears, and Jack C. Pashin (Boone Pickens School of Geology, Oklahoma State University)*
- 11:45-12:00 Discussions**

Wednesday, November 11, 2020

- 10:00-10:30 Integrated geological and geochemical characterization of the Mississippian Caney Shale, Oklahoma - Subsurface and outcrops delineation.**
Abbas Seyedolali (Oklahoma Geological Survey)
- 10:30-11:00 Caney Shale an Emerging Unconventional EOR Target**
Conn Wethington, Jack Pashin, Ian Cox (Boone Pickens School of Geology, Oklahoma State University)*
- 11:00-11:30 Characterization of a Caney Shale core from the actively producing Caney play in the Ardmore Basin, Oklahoma**.**
Allan Hemmy, Steven Warshauer, and Jeff Lawton (BNK Petroleum (US) Inc., Camarillo, CA)*
- 11:30-12:00 Discussions**

Thursday, November 12, 2020

- 10:00-10:30 Geology of the Woodford Shale in Oklahoma**
Richard Brito and Roger Slatt.*
- 10:30-11:00 A Detailed Geochemical and Stratigraphic Analysis of the Woodford Petroleum System, Oklahoma – Generation, Migration and Reservoir Character**
J.B. Curtis, J.E. Zumberge, and S. W. Brown*

11:00-11:30 Rock volatiles of Woodford Shale cuttings and cores from the Anadarko and Arkoma basins”
Michael P. Smith (Advanced Hydrocarbon Stratigraphy)

11:30-12:00 Discussions

Friday, November 13, 2020

10:00-10:30 Application of Quantitative Facies & Geochem Facies as It Applies to Unconventional Shale Resources.
Ariel Malicse (Malletsee, Inc.)

10:30-11:00 Explaining a need for representative carbon and hydrogen stable isotope measurement of produced natural gases from commercial shale-oil and shale-gas wells
Vincent Nowaczewski (University of Cincinnati)

11:00-11:30 High Resolution Unconventional Reservoir Modeling of Devonian Strata in Oklahoma Utilizing Rock Volatile Analysis
Jamar Bynum^{1}, Mike Smith², Christopher Smith², and Kristian Cozyris¹ (1Baker Hughes and 2 Advanced Hydrocarbon Stratigraphy)*

11:30-12:00 Discussions

