
“TAKING A DEEPER LOOK AT SHALES: GEOLOGY AND POTENTIAL OF THE UPPER ORDOVICIAN UTICA SHALE IN THE APPALACHIAN BASIN”



June 21, 2011; 8:00 am – 4:00 pm

Kent State University Tuscarawas
New Philadelphia, OH



Sponsored by
**Petroleum Technology Transfer Council,
Ohio Geological Survey and Ohio Geological Society**

Hosted by
**Kent State University at Tuscarawas &
Appalachian Oil & Natural Gas Research Consortium**

COURSE DESCRIPTION

Potentially huge natural gas plays are being developed in black, organic-rich shales in numerous basins all across the US. The Appalachian basin is no exception, with active horizontal and vertical drilling to the Marcellus Shale (Middle Devonian) in Pennsylvania and West Virginia, and perhaps in New York in the near future. However, even as this potentially lucrative play is being developed, some operators are beginning to look a little deeper, focusing their attention on the Utica Shale (Upper Ordovician), especially at the northern end of the basin in Canada, Pennsylvania, New York and Ohio.

The Utica Shale (and Utica-Point Pleasant in Ohio) is both thicker and more widespread than the Marcellus, averaging over 200 feet thick in Ohio and reaching upwards of 800 feet in New York, where it thickens into syn-depositional grabens. The areal extent of the Utica continues well beyond the subsurface extent of the Marcellus on all sides of the basin. Results from early drilling programs show great promise, not only for gas, but for condensate and oil production as well. Currently, companies are searching for more information on the Utica, including thickness, depth, stratigraphy, mineralogy, petrology, total organic carbon (TOC), thermal maturity and burial history.

The goal of this workshop is to make industry aware of the results of research and data on the Utica Shale that are available in the public record, and to provide a status report on initial drilling programs. Utica-based research by the USGS and state geological surveys began as part of the Eastern Gas Shales Project in the 70s, and has continued, largely unnoticed.

In addition to the technical presentations, the Ohio Geological Survey will provide Utica cores for inspection, along with summaries of data derived from these cores.

TOPICS COVERED

- Regional Stratigraphic and Facies Relationships of the Ordovician Utica – Point Pleasant Interval
- Utica Shale Gas Potential in Quebec
- Syn-depositional Faulting, Carbon Isotope Stratigraphy and TOC Distribution in the Trenton and Utica Groups, New York State
- Vertical Utica Shale Wells in Otsego and Surrounding Counties, New York State
- Mineralogic and Physical Property Characteristics of the Utica – Point Pleasant Shale from Core and Geophysical Log Analysis
- Geochemistry and Source Rock Analysis of the Utica – Point Pleasant
- Multi-stage fracture stimulations – mechanics and misconceptions
- Activity and Potential of the Utica Shale in Pennsylvania
- Utica Shale Drilling Activity and Resource Assessment in Ohio
- Research Plan for Utica Shale Characterization and Development

WHO SHOULD ATTEND

Petroleum Engineers, Managers, Petroleum Geologists, Personnel with Assignments in Production, Reservoir Engineering and Environmental Compliance, Regulatory Bodies and State Agencies.

LEARN/KNOW AFTER ATTENDING

Attendees will have a better understanding of the thickness, extent, mineralogy, petrology, geochemistry, thermal history and petroleum resource of the Utica Shale.

INSTRUCTORS

Mark Baranoski, Ohio Geological Survey
Jeff Daniels, Ohio State University
Dick Drozd, Weatherford Labs
John Harper, Pennsylvania Geological Survey
Marianne Molgat, Talisman Energy
Rich Nyahay, Gastem USA
Ron Riley, Ohio Geological Survey
Taury Smith, New York Geological Survey
Larry Wickstrom, Ohio Geological Survey
Albert Yost, DOE-NETL

LOCATION

The conference will be held on the Kent State Tuscarawas campus in New Philadelphia, OH. For directions to the campus, follow this link: <http://www.tusc.kent.edu/about/maps.cfm>. Once on campus, follow the signs that will direct you to the meeting room.

REGISTRATION

Pre-registration is required and will begin now and end June 14, 2011. To register, return the form below, with your payment. Checks should be made payable to the **Ohio Geological Society**

The registration fee covers the entire day, including lunch, morning and afternoon breaks, and a workshop notebook for all participants.

SCHEDULE

On-site registration and the continental breakfast will begin at 8:00 am. The workshop will begin promptly at 8:45 am.

PDH CREDITS

PTTC will issue a certificate for Professional Development Hours at the end of the workshop. To receive this certificate, you must register in advance of the cutoff date.

LODGING

Schoenbrunn Inn By Christopher

1186 West High Avenue, New Philadelphia, OH 44663
330-339-4334

Hampton Inn New Philadelphia

1299 West High Avenue, New Philadelphia, OH 44663
330-339-7000

Holiday Inn Express Hotel New Philadelphia

145 Bluebell Drive SW, New Philadelphia, OH 44663
330-339-7731

Registration form - PTTC Workshop
“Looking Deeper: Geology and Potential of the Utica Shale”

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ STATE: ____ ZIP CODE: _____

E-MAIL: _____

PHONE: _____

The registration fee for this workshop is \$150. This fee covers the entire workshop, continental breakfast, morning and afternoon breaks and lunch. **Please make checks payable to “Ohio Geological Society” and return with this form to arrive by June 14, 2011** to: Douglas Patchen, P.O. Box 6064, Morgantown, WV 26506-6064.

Registration may be limited. *No refunds will be issued after June 14.*

For further information contact: Doug Patchen at 304-293-2867, x5443, or Jimmy Ludovici, 304-293-2867, x5446