

Mississippian and Arbuckle Workshop

October 31, 2012



Oklahoma Geological Survey

G. Randy Keller, Director

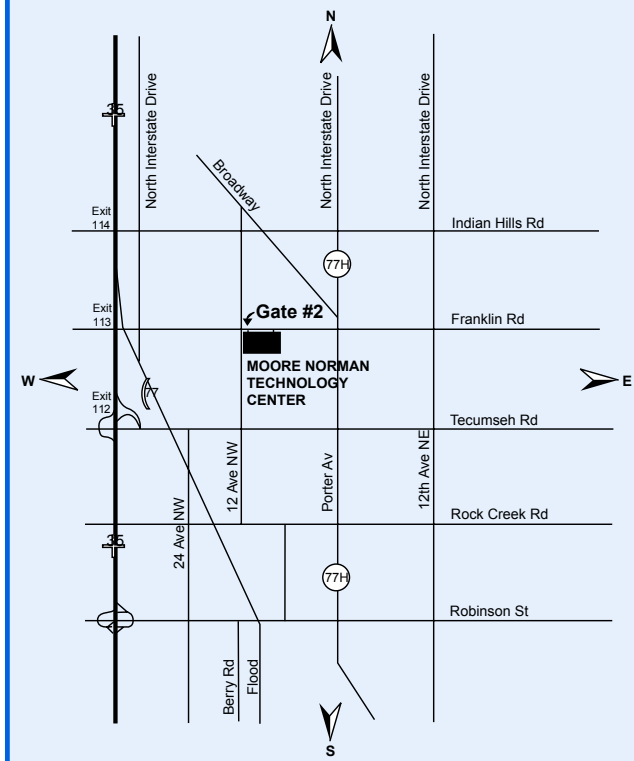
The University of Oklahoma
MEWBOURNE COLLEGE OF EARTH & ENERGY

INFORMATION

Oklahoma Geological Survey 405/325-3031 or 800/330-3996; Michelle Summers 405/325-7313, mjsummers@ou.edu; Tammie Creel 405/325-3034, tcreel@ou.edu.

TRANSPORTATION

Will Rogers World Airport is 25 minutes from the Moore Norman Technology Center in Norman. Ground transportation (taxi, rental cars, and airport shuttle for hire) is available in the baggage claim area. Parking at the Moore Norman Technology Center is free.



Moore Norman Technology Center
Main Campus - (405) 364-5763
4701 12th Avenue NW, Norman, Oklahoma

Southbound I35 from Oklahoma City take Exit 113 (left exit onto South 177) and turn left on Franklin Rd. at first traffic light. Turn right at MNTC Gate 2 parking lot entrance (just past stop sign).

Northbound I35 (south of Norman) traffic take Exit 112 (keep to the right). Pass 24th Ave NW and Flood Ave. and turn left at 12th Ave. SW. Turn right at stop sign onto Franklin Rd. Immediately turn right at MNTC Gate 2 parking lot entrance.

PREREGISTRATION FORM—Make checks payable to “University of Oklahoma.”

Please fill out form, detach, and return with check to: Oklahoma Geological Survey, 100 E. Boyd, Room N-131, Norman, Oklahoma 73019

NAME: (Last) _____ (First) _____ (Initial) _____
 AFFILIATION: _____ (Nickname for badge) _____
 MAILING ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____ PHONE: _____
 E-MAIL: _____ FAX: _____

Check must accompany this form. Use separate form for each registrant. CEU credit, check here. PDH credit, check here.

Workshop Registration
\$150.00

Sorry, we are unable to accept credit cards.

Total Amount Enclosed \$ _____

If you have a special disability, medical, or dietary needs, please check here.

FAX number 405-325-7069

Purpose and Scope of Workshop

The Mississippian of the Mid-Continent has been an important reservoir to the Petroleum Industry. However, there may not be a reservoir that has been as extensively drilled and produced as this and yet there be so little understanding for the stratigraphy that makes this play possible. How often have prospects been submitted with the back-up zone being the “Mississippian” simply because the reservoir seems to produce everywhere? Fortunately researchers have made tremendous strides in unraveling the complexities associated with the Mississippian Meramec and Osage of the Mid-Continent. It is known that various types of reservoirs exist within the Mississippian, but more importantly, details such as the depositional environment, tectonic and eustatic ramifications, and internal facies geometric distribution for these reservoirs is also becoming known. And it couldn't come at a more opportune time. With the advent of horizontal drilling, operators are finding that this method of drilling and associated completion offers them the potential to make economic returns on their investment even with very high drilling and completion costs. But this success depends on the operators understanding the reservoir.

The Oklahoma Geological Survey recognizes this need. One of the Survey's primary responsibilities is to compile and disseminate information operators need to enhance their chance for success. Mississippian and Arbuckle workshop, to be given on October 31st, will be devoted to this goal. Papers will be given on subjects that will help operators understand the Mississippian, from its depositional environment and stratigraphy, its regional extent, electric log evaluation, reserve analysis, horizontal drilling techniques and completion procedures.

Also, as a deviation from the norm, a paper will be given on the Arbuckle Group. The Arbuckle is actually an important component to the Mississippian Play, in that it provides the means for operators to dispose the tremendous amounts of water that the Mississippian produces. The Arbuckle paper will focus on its depositional history, diagenesis, and potential economic development of its own. With the drilling and logging of Arbuckle disposal wells, potential hydrocarbon zones may have been overlooked but definitive on modern well logs.

—Kurt Rottmann, Consultant

Program Agenda


- 9:00 *Welcome and Introduction*, by Randy **KELLER**, Oklahoma State Geologist / University of Oklahoma (OU) Mewbourne College of Earth & Energy (MCEE) ConocoPhillips School of Geology & Geophysics
- 9:15 *Lower Mississippian Sequence Stratigraphic Setting, Depositional Dynamics, and Reservoir Development: Further Insights From The Outcrop Belt*, by Walt **MANGER**, Consultant
- 10:00 *The Mississippian of the Mid-Continent; An Overview*, by Kurt **ROTTMANN**, Consultant
- 10:45 **Break; Poster Session; OGS Publications Available**
- 11:00 *The Unconventional Mississippian Play Early Producing and Completion Statistics*, by J.P. **DICK**, Pinnacle Energy Services
- 11:45 *An Update on Mississippian Completions*, by Hap **PINKERTON**, Halliburton
- 12:15 **Lunch; Poster Session; OGS Publications Available**
- 1:15 *What is the Mississippian Play Without the Arbuckle and What we Need to Know About It*, by Kurt **ROTTMANN**, Consultant
- 2:15 *Horizontal Mississippian Fields in Oklahoma and Kansas: What Have We Learned?*, by Carl **VANDERVOORT** and Jose **MONCAYO**, Angus Natural Resources
- 2:45 **Break; Poster Session; OGS Publications Available**
- 3:15 *An Alternative Method of Obtaining Open Hole Logs in Horizontal Wells - Examples from the Mississippian*, by Rick **REISCHMAN**, ThruBit
- 3:45 *Anticipating Water Production, Reuse, and Disposal Volumes*, by Kyle **MURRAY**, OU MCEE Oklahoma Geological Survey
- 4:15 *Concerns About the Potential for Induced Seismicity Associated with the Mississippian Play: Perceived or Real?*, by Austin **HOLLAND** and Randy **KELLER**, OU MCEE Oklahoma Geological Survey

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REGISTRATION AND INFORMATION
Moore Norman Technology Center
7:30 a.m. - 3:00 p.m.

TECHNICAL PROGRAM
9 a.m. - 5:00 p.m.

POSTER SESSION
9:00 a.m. - 3:15 p.m.



Six to eight Technical Posters and Exhibitors featuring the Mississippian Play will be on display...