



Regional Update

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South Midcontinent Region

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*Are you spending your
money wisely
when it comes to
electricity?*

The MWC documented the life costs associated with producing a barrel of oil in Oklahoma with an economic analysis published in 1996. At that time, electricity was second only to personnel costs. The MWC joined other oil and gas associations and OG&E in establishing a special oil and gas classification at the Corporation Commission rate-making proceedings.

During the price crisis of 1998, OG&E, PSO and the REC's proposed, and in some cases implemented, rate structures to help small producers weather the storm of income losses reaching 70%. As oil prices began to rebound and restructuring of electricity came on the horizon, the MWC has designed an electricity workshop that will offer valuable information to producers.

The MWC will hold the workshop in Shawnee on April 10, and in Enid on April 24. The workshops will be repeated in Pawhuska on June 13, and in Ardmore on June 15.

The workshop will begin with an overview of the flow of electricity as it moves across lease equipment, identifying critical points of usage and exchanges where efficiency is crucial in controlling costs. Representatives from OG&E and Central Rural Electric Cooperative will review billing statements and the language of the billing procedure, special rate structures, and programs from their respective companies. Ron Henry from OG&E will review the results from the MWC/OSU Electricity Survey. Scott Thompson, from Automated Energy, Inc. and Cody Graves, former Corporation Commission Chairman will address the broad range of aggregation possibilities and the business and regulatory practices expected from the electricity restructuring legislation to be enacted in 2002.

Registration for the workshop is \$45 in advance (received no later than 5 days before the workshop) and \$50 late registration. For additional information, call Liz Fajen at the MWC at 800-390-0460.

Play-Based Workshops Developed for Fresh Look at Reservoirs

Historically, most petroleum discoveries in Oklahoma have been driven by the identification of structures through surface expression, subsurface correlation, and/or exploration seismic methods with less attention to stratigraphic accumulations that do not have structural expressions.

To address this issue, the Oklahoma Geological Survey has been developing a series of play-based workshops and presenting them to Oklahoma's petroleum industry. The play-based workshops provide a regional setting for the play and identify the large amount of data that are available to investigate the potential for stratigraphic traps. Other related efforts, such as developing digital data files, are designed to give operators and others easier access to the data needed to explore for such stratigraphic accumulations.

The initial effort was funded jointly by the U.S. Department of Energy through a grant from the Bartlesville Project Office (now the National Petroleum Technology Center in Tulsa). That program produced 8 publications on 10 separate plays. These plays were developed jointly

with Geo Systems and the School of Petroleum and Geological Engineering of the University of Oklahoma. A total of 15 workshops were presented from this effort, reaching more than 1,200 operators and other interested parties. Because of the interest shown in these workshops, most have been repeated as a joint venture with the Oklahoma City Geological Society, and now are being repeated jointly with the Tulsa Geological Society.

The Survey has continued to produce play-based workshops, using internal funds. To date, publications on two such workshops have been completed and presented: the Hartshorne Play in Southeastern Oklahoma and the Morrow Gas Play in the Anadarko Basin and Shelf of Oklahoma. Work is progressing on the development of two additional plays: the Hunton Carbonates and the Springer Sands. The Hunton Play will be completed and presented in August or September and the Springer Play in November.

In Oklahoma, the clastic strata deposited during the

(see WORKSHOPS—page 4)

Petroleum Systems of Sedimentary Basins in the Southern Midcontinent

March 28-29, 2000, in Oklahoma City

This is the thirteenth annual workshop designed to transfer information that will aid in the search for, and production of, our oil and gas resources. Sedimentary basins are the hosts for most of our major petroleum reservoirs; they already have yielded large volumes of oil and gas, and they have great potential for yielding additional hydrocarbons by the use of improved exploration and development techniques.

Workshop topics, as related to sedimentary basins, include: geologic evolution and/or petroleum occurrences; thermal history; petroleum generation, migration, and/or entrapment; depositional and/or diagenetic history; and petroleum-reservoir characterization. Most papers will focus on the southern Midcontinent (Oklahoma, Kansas, Missouri, Arkansas, Texas, New Mexico, and Colorado), but some papers also will cover basic principles in other sedimentary basins of the United States.

The workshop will consist of 19 papers presented orally and 13 informal poster presentations, and will be attended by 200-300 participants. It is being organized by Kenneth S. Johnson (Oklahoma Geological Survey) and

Daniel F. Merriam (Kansas Geological Survey). The proceedings (including extended abstracts for the posters) will be published by the OGS.

The workshop will be held at the Meridian Convention Center, on Meridian just south of Interstate 40, in Oklahoma City. Advance registration (prior to March 10) is \$50 (\$25 for students). Late registration will be \$70 (\$35 for students). Registration covers technical sessions, lunches, and the workshop proceedings; it does not include the Tuesday evening banquet. Students may choose a special registration, at no charge, that does not include luncheons or workshop proceedings.

Rooms are available in the Clarion Meridian Hotel (405/942-8511), where rates are \$59 per night single or double for the conference. This includes continental breakfast and courtesy airport transportation. Call and ask for *OGS Conference Rate*. The cut-off date for this special rate is March 6.

For further information, contact the OGS at the address or web site given on the front cover.

Upcoming Events

February

- 2/15 Gas Mediation Update and OCC - 23 Selected Forms, Oklahoma City, *MWC, PTTC
- 2/17 Gas Mediation Update and OCC - 23 Selected Forms, Watonga, *MWC, PTTC
- 2/23 Morrow Gas Play in the Anadarko Basin and Shelf of Oklahoma, Tulsa, *TGS, OGS, PTTC
- 2/24 Gas Mediation Update and OCC - 23 Selected Forms, Duncan, *MWC, PTTC
- 2/24 Morrow Gas Play in the Anadarko Basin and Shelf of Oklahoma, Oklahoma City, *OCGS, OGS, PTTC
- 2/29 Gas Mediation Update and OCC - 23 Selected Forms, Tulsa, *MWC, PTTC

March

- 3/2 Friday-Free-For-All Workshops, Tulsa *GIS,
- 3/3 Friday-Free-For-All Workshops, Tulsa, *GIS
- 3/3 Plugging: The Last Resort, Enid *MWC, PTTC
- 3/10 Plugging: The Last Resort, Oklahoma City, *MWC, PTTC
- 3/28 - 29 Petroleum Systems of Sedimentary Basins in the Southern Midcontinent Workshop, Norman, *OGS, PTTC, Kansas Geo. Survey, IAMG

April

- 4/10 Electricity Efficiency and Deregulation, Shawnee, *MWC, PTTC
- 4/24 Electricity Efficiency and Deregulation, Enid, *MWC, PTTC

May

- 5/12 Marginal Wells Commission Trade Fair, Tulsa, *MWC
- 5/17 2D-3D Seismic: Effective Application Can Improve Your Bottom Line Workshop, Norman, *OCGS, OGS, PTTC
- 5/24 Coalbed Methane Workshop, Tulsa, *TGS, OGS, PTTC

June

- 6/13 Electricity Efficiency and Deregulation, Pawhuska, *MWC, PTTC
- 6/15 Electricity Efficiency and Deregulation, Ardmore, *MWC, PTTC

(tentative August or September) Hunton Play Workshop, Norman, *OGS, PTTC

September

- 9/20 Hartshorne Play Workshop, *OCGS, OGS, PTTC

(tentative October or November) Springer Workshop, Norman, *OGS, PTTC

*OGS=Oklahoma Geological Survey, 405/325-3031 or 800/330-3996

*MWC=Marginal Wells Commission, 405/366-8688; 800/390-0460

*GIS=Geo Information Systems, 405/325-3131; 405/579-5985

*OCGS=Oklahoma City Geological Society, 405/236-8086

*TGS=Tulsa Geological Society, 918/748-5407

Solutions From the Field

With producers often facing razor-thin profit margins, they need field-tested and proven, cost-effective solution options. In light of this, the PTTC national organization has added to their web site a number of summaries of some of the latest regional workshops that have been either sponsored or co-sponsored by PTTC.

These workshop overviews are a resource for independents seeking technical solutions to their exploration and production (E&P) problems. In addition to summarizing the main discussion points from one or more workshops, the compilations also provide contact information for speakers, and other resources.

This section of the web page includes 30 reports, cov-

ering such material as: Water Cut Control Methods, Best Practices for Improving Economic Margins, Innovative Technology Applications Improve the Bottom Line, Electric Power Cost Reduction Methods in Oil and Gas Fields, Exploration Strategies for Unconventional Gas, and many others.

If you are interested in some of the workshops held before 1997, a link on the page will take you to those as well.

Be sure to visit the PTTC web site to examine these and other important topics for information you can put to good use! The files on the site are presented in Adobe Acrobat, and are ready to download and use.

Solutions From the Field:
<http://www.pttc.org/bestof99.htm>

WORKSHOPS—continued from page 2

upper part of the Paleozoic (mostly Pennsylvanian) should have substantial potential for the development of stratigraphic traps. These strata were deposited on a platform or shelf edge where the primary control for deposition was a fluctuation in sea level conditions that are ideal for the formation of such traps.

With the improving access to records of previously drilled wells and the regional studies supplied by the Survey, operators and other interested parties should have much to do in searching for the large number of economic accumulations that we believe are waiting to be discovered.

Charles J. Mankin
RLO Director

Morrow Gas Play Workshop Comes to Tulsa, OKC

The Oklahoma Geological Survey and PTTC will team up with the Tulsa Geological Society to present the Morrow Gas Play in the Anadarko Basin and Shelf of Oklahoma in Tulsa on February 23, at the SEG Building, 8801 South Yale Ave. Reservations should be made by contacting Tom Heinecke at 918/748-5407.

The OGS, PTTC, and Oklahoma City Geological Society also will present the Morrow Workshop on Thursday, February 24, at the National Cowboy Hall of Fame in Oklahoma City. Please contact the OCGS reservation lines (405/236-8086, ext. 11, or 235-3648, ext. 40).

These meetings present the Morrow information in a half-day format for a concise first look at this play or a good review for those of you who attended the full-day workshop.