



Regional Update

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Petroleum Technology
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South Midcontinent Region

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PTTC Programs Provide Access To Information and Technology

The Oklahoma Geological Survey (OGS) is now the Regional Lead Organization for the South Midcontinent group of an important new program helping petroleum producers gain access to the latest information and technology. The Petroleum Technology Transfer Council (PTTC) was founded in January of 1993 by the Independent Petroleum Association of America to help identify the technology needs of producers and find the best ways to transfer that information to them. The PTTC goal is simple: *Get more petroleum out of the ground at a profit—even in today's market.*

In the South Midcontinent Region of PTTC, the OGS is joined in implementing the program by the Oklahoma Commission on Marginally Producing Oil and Gas Wells and the University of Oklahoma's Geo Information Systems. Dr. Charles J. Mankin, OGS director, is the Program Manager for this region.

The PTTC was formed in response to many changes that have taken place in the oil industry in recent years.

"For example, by 1993 the share of oil produced in Oklahoma by major companies was down to 21 percent," Mankin says. "The Department of Energy has estimated that as much as 60 percent of the country's known 350-billion-barrel oil resource could be abandoned in the reservoir by 2010 if new technology is not developed and applied in the fields."

PTTC was organized to help pass along the technology needed to access America's known petroleum resources. The group is made up of representatives from independent operators, major companies, state geological surveys, professional and trade societies, state and federal agencies, service companies, academia, the research community, and other groups involved in the technology process.

The PTTC is divided into 10 regional organizations, with a national office in Washington, D.C. The South Midcontinent Region includes Oklahoma and Arkansas. As RLO for this region, the OGS has conducted Problem-Identification Workshops that pinpointed some of the areas of greatest concern for regional oil producers. The group is now conducting a series of workshops that are intended to address these specific concerns. The meetings are held in different locations throughout Oklahoma and Arkansas, and costs are kept to a minimum so that those on limited budgets can attend. *(continued—Programs, p. 3)*

Southmayd Elected Chair of PAG at August Meeting in Oklahoma City

William Clark Southmayd, Jr., Manager of Drilling and Production for ONEOK Exploration Co., was elected chairman of the South Midcontinent Region Producers Advisory Group (PAG) of the Petroleum Technology Transfer Council (PTTC) at their August meeting in Oklahoma City. In this position, Southmayd also serves on the National Board of Directors for PTTC. James R. Gregath, James R. Gregath and Assoc., was elected Vice Chairman of the PAG.

Lew Ward, Ward Petroleum Co., the first chair of the PAG, is now chair of the Independent Petroleum Association of America, the group that initially helped form the PTTC in January of 1993. In his new capacity, Ward will continue to work closely with PTTC, and still will play an important role in helping the South Midcontinent Region achieve its goals.

Both Southmayd and Gregath will help see that the PTTC programs bridge the gaps among private energy-related societies, industry, and government to effectively transfer information and technology to independent producers.

OGS Resource Center Contains Logs, PC's, Cores, Books, and Much More

The PTTC Resource Center located at the Oklahoma Geological Survey consists of the OGS Log Library and Core and Sample Library, the OGS NRIS Facility computer laboratory, and the University of Oklahoma's Youngblood Geology Library and Geo Information Systems data processing unit.

All of these resources are available for operators to use, and help is available if you aren't familiar with computers, the library system, or any other element of the Center—just ask!

The OGS Core and Sample Library currently houses 76,542 boxes of cores from 3,310 wells in Oklahoma, and more than 83,000 boxes of samples from more than 33,500 wells.

The OGS NRIS Facility computer user lab opened June 1, to allow the public access to oil and gas data in NRIS even if users

have limited computer experience. The lab allows access to the NRIS data system and provides capabilities to manipulate data to produce tables, maps, reports, and other needed information. The files include Oklahoma oil and gas production by lease for each month from 1979 to the present, lease files, field file, and completion reports for oil and gas wells of record.

The lab is equipped with PC's, plotters, laser printers, CD-ROM readers, and scanning and digitizing equipment. Geologic-related mapping software, such as GeoGraphix, ARC/INFO, ArcView, Surfer, Atlas MapMaker for Windows, and Radian CPS/PC are available for public use. For those not familiar with computers, assistance is available.

Future issues of this newsletter, will give an in-depth look at separate elements of the Center.

Platform Carbonates Topic of Spring Workshop Hosted by OGS, DOE

Platform carbonates in the Southern Midcontinent will be the topic of discussion at the eighth in a series of workshops designed to transfer technical information important in the search for and production of oil and gas. The meeting is sponsored by the Oklahoma Geological Survey and the Bartlesville Project Office of DOE.

Platform carbonates are limestones and dolomites that were deposited in a shallow-marine platform, or shelf, environment. These are major reservoirs that have yielded large amounts of hydrocarbons, and still hold great potential for additional exploration and development.

The workshop, which will consist of 18 papers presented orally and 12 informal poster presentations, will be held March 26-27, 1996, at the Clarion Hotel, 4345 N. Lincoln, in Oklahoma City. Approximately 200-300 people are expected to attend.

The program is nearly set, but there may be room for additional talks or posters on the theme of platform carbonates.

For more information about the meeting or to contribute a talk or poster, contact Kenneth S. Johnson, OGS associate director, at the address on the front cover.

***Platform Carbonates
in the Southern
Midcontinent***

***March 26-27, 1996
Clarion Hotel
4345 N. Lincoln
Oklahoma City, OK***

Programs--continued

In addition to the workshops, the OGS is a primary resource center where petroleum information such as computerized files of petroleum statistics for the region, logs, cores, samples, geoscience library holdings, case studies of reservoirs and fields, and other technology, is available to the operators. In the future, satellite resource centers will be linked electronically to the primary center to make the information available locally.

Located at the Sarkeys Energy Center with the OGS, and also part of the resource center, is the Youngblood Energy Library, the repository for more than 88,000 volumes in the earth sciences and more than 136,000 topographic and geologic maps.

To learn more about PTTC, contact the OGS at the address on the front of this newsletter.

Workshops, Workshops, Workshops

Meetings Supply New Information, Ideas

Meetings and workshops provide some of your best opportunities to come in contact with new technologies and recent reports and studies, and at the same time meet people who will have answers to some of your most pressing questions.

A series of workshops on Fluvial Dominated Deltaic (FDD) Reservoirs in Oklahoma is proving to be extremely popular. Audiences of 212 and 128 people attended the first two meetings, which looked at the Morrow and Booch Plays. If you missed these, the text and maps used are still available from the OGS at the address given on the front cover. The charge is nominal—but the information is very worthwhile.

The next FDD workshop on the Layton and Osage-Layton Play, will be held April 17 at the Francis Tuttle

Vo-Tech in Oklahoma City. This is another opportunity to learn more about FDD reservoirs in general, and the Layton and Osage-Layton Play in great detail. The cost is low—\$15 for Layton and Osage-Layton FDD operators, \$25 for others—and includes lunch, break snacks, and the publication.

Next year, a number of PTTC Focused Technology Workshops on subjects brought up by operators at the Problem Identification Workshops will be scheduled by OGS. Call or write the address on the front page for more specific information.

Other groups holding informational sessions are the Marginal Wells Commission (405/325-0713) and the Oklahoma Independent Petroleum Association (405/840-1171). See the calendar below for listings.

Upcoming Events

January

- 1/- PTTC Arkansas Problem-Identification Workshop, OGS, 405/325-3031 or 800/330-3996
- 1/16 FDD Reservoir Class Workshop, Bartlesville, OGS, 405/325-3031 or 800/330-3996
- 1/16 Downhole, Beam Pumps and Sucker Rods, Workshop, Ardmore, Southern OK Tech Center, MWC, 405/325-0713

February

- 2/1 PTTC Focused Technology Workshop, Oklahoma City, OGS, 405/325-3031 or 800/330-3996
- 2/13 FDD Reservoir Class Workshop, Oklahoma City, OGS, 405/325-3031 or 800/330-3996
- 2/15 Downhole, Beam Pumps and Sucker Rods, Workshop, Tulsa, Tulsa Tech Center, S.E. Campus, MWC, 405/325-0713

March

- 3/5 Plunger Lift, Workshop, Wetumka, Wes Watkins AVTS, MWC, 405/325-0713
- 3/14 Downhole, Beam Pumps and Sucker Rods, Workshop, Woodward, High Plains AVTS, MWC, 405/325-0713
- 3/19 Gas Measurement, Workshop, Burns Flat, Western OK AVTS, MWC, 405/325-0713
- 3/26-27 Platform Carbonates in the Southern Midcontinent, Workshop, Oklahoma City, OGS, 405/325-3031 or 800/330-3996

April

- 4/17 FDD Workshop, Layton and Osage-Layton Play, Oklahoma City, OGS, 405/325-3031 or 800/330-3996



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