



Regional Update

Vol. 5, No. 4

Autumn 2000

Petroleum Technology
Transfer Council (PTTC)
South Midcontinent Region

Oklahoma Geological Survey
Regional Lead Organization
Dr. Charles J. Mankin
PTTC Program Manager
Director, OGS

Mary K. Banken
PTTC Computer-System Mgt.
Geo Information Systems

PTTC Technology Transfer
Marginal Wells Commission

Mr. James E. Bruning
PTTC PAG Chair
Freedom Energy, Inc.

David P. Brown, GIS
User Technical Support
Elizabeth A. Fajen, MWC
Education Coordinator
Connie G. Smith, OGS
Information, Newsletter Editor
Michelle J. Summers, OGS
Workshop Coordinator
Jane L. Weber, OGS
Computer Facility Supervisor

Oklahoma Geological Survey
100 E. Boyd, Rm. N-131
Norman, OK 73019-0628

405/325-3031 800/330-3996
Fax 405/325-7069
Publication Sales: 405/360-2886

Internet address
<<http://www.ou.edu/special/ogs-pttc>>

October workshops examine important Hunton reservoirs

Geologists, engineers, operators, and other explorationists, have an opportunity in October to attend a one-day workshop on petroleum occurrence, exploration, and development in the important Hunton Group (Ordovician, Silurian, and Devonian) in Oklahoma and the Texas Panhandle. Presented in Norman on October 17 and again on October 18, the meeting will provide a general overview of carbonate-reservoir basics, a history of Hunton oil and gas exploration and development, and aspects of Hunton stratigraphy such as facies, dolomitization, and karstification.

The Hunton is a moderately thick sequence of shallow-marine carbonates deposited on the south edge of the North American craton. It is a major target for petroleum exploration and reservoir development in the southern Midcontinent. Porous dolomites in the Hunton Group contain the most prolific gas res-

(see HUNTON—page 4)

Duttlinger named new PTTC executive director

Don Duttlinger became PTTC's second executive director in July of this year, replacing Deborah Rowell, PTTC's founding executive director, who resigned to become a consultant on the behalf of independent producers.

Since 1992, Duttlinger has been president of Intechtra Services Inc., a Houston-based firm that helps U.S. companies establish operations in West Africa and increase production in existing operations. Although he founded the company, Duttlinger officially resigned to work full-time for PTTC in Washington, DC.

Prior to joining PTTC, Duttlinger served as onshore operations training manager for Mobil Oil/Baker Energy in Africa. Before that, he worked as senior engineer for Schlumberger Technical Services in Indonesia. He has been on the board of the Indonesian-American Business Association since 1994, and also served as its executive vice president. Duttlinger earned an MBA from Louisiana State University in 1991, and a BS in construction engineering from Purdue in 1981. He has been a licensed petroleum engineer in Texas since 1992.



Don Duttlinger

Hartshorne workshop planned for Oklahoma City and Tulsa

The Hartshorne Formation is a prolific gas reservoir in the Arkoma basin of southeastern Oklahoma. Most wells are <4,000 ft. deep and reserves generally are 250 MMcf to several Bcf. Because this formation was the focus of so much attention in recent years, the OGS and PTTC join the Oklahoma City Geological Society and the Tulsa Geological Society to bring half-day overviews of this subject to each city this fall.

On September 27, the workshop will be presented at the National Cowboy Hall of Fame, 1700 North-east 63rd St., in Oklahoma City. Beginning at 1 p.m. with opening remarks, the meeting will end at 4 p.m. with a discussion session and

question and answer period.

The half-day workshop will be repeated in Tulsa the next day, September 28, following the same time schedule and program. The meeting will take place at the Geophysical Resource Center, 8801 South Yale Ave., in Tulsa.

Rick D. Andrews, OGS geologist, will present "Regional Overview, Stratigraphy, and Depositional Setting," then will give specific field studies of the Kiowa Northwest and the Cabaniss Northwest. Brian J. Cardott, OGS coal geologist, will talk about "The Hartshorne Coal and Coalbed-Methane Field Study for the the Spiro Southeast."

Production from the Hartshorne largely is attributed to sandstone reservoirs, although recently coalbed methane has been exploited as well.

This workshop received many positive comments last year when it was presented as a whole-day meeting in the autumn of 1998 in Oklahoma City and Muskogee. After a number of requests and comments, the OGS and PTTC decided it was time to revisit this issue and see what new information can be added.

For more details, contact the OCGS at 405/236-8086 in Oklahoma City, or in Tulsa, contact Tom Heinecke, who is with the Tulsa Geological Society, at 918/748-5407

Coalbed methane workshop set for two sessions in Arkansas

A workshop on the popular topic of coalbed methane is scheduled for two presentations this fall in Fort Smith, Arkansas. On the calendar for both November 8 and 9, the meeting is sponsored by the Oklahoma Geological

Coalbed Methane Topics:

Introduction to coal as gas source rock and reservoir

Overview of Arkansas coal geology

Overview of Oklahoma coal geology

Coalbed methane activity in Oklahoma

Coalbed methane completion practices on the Cherokee Platform

Hartshorne CBM play in Oklahoma: selected production and economic viability

Oil and gas rules and regulations

of growing attention. In 1997 alone, coalbed methane supplied 5.9 percent (1.13 Tcf) of the total domestic natural gas production, and represented 7 percent (11.5 Tcf)

of the total domestic natural gas proved reserves that are available in the U.S.

The format of this workshop will allow participants to listen to papers and ask questions in the morning, then take an afternoon field trip to coal mines in the area. Cardott says vans will leave after lunch for the mines, with the group arriving back in Fort Smith near 6 p.m. each day.

The workshops will be held at the Arkansas Oil and Gas Commission, located on Phoenix Ave. in Fort Smith. Workshop registration includes lunch, the field trip, and a copy of OGS Open-File Report OF 6-99, *Oklahoma Coalbed-Methane Workshop*.

If you need coalbed methane data online, the OGS online Oklahoma coal database contains coalbed-methane completions and coal production tables. This popular database can be accessed on the OGS/PTTC web pages at: <<http://www.ou.edu/special/ogs-pttc>>. There is no charge to the user for the retrieval or use of this information. The database is simple to access, and data are available quickly to the user.

For more information about the workshops, contact Michelle Summers or Brian Cardott at 800/330-3996 or 405/325-3031; or write to 100 E. Boyd, Rm. N-131, Norman, OK 73019-0628. Details also will be on the OGS/PTTC web: <<http://www.ou.edu/special/ogs-pttc>>.

Upcoming Events

September

- 9/27 Hartshorne Play Workshop, Oklahoma City, *OCGS, OGS, PTTC
9/28 Hartshorne Play Workshop, Tulsa, *TGS, OGS, PTTC

October

- 10/17 - 18 Hunton Play Workshop, *Norman, OGS, PTTC

November

- 11/8 - 9 Oklahoma and Arkansas Coalbed-Methane Workshop, Fort Smith, Arkansas, *OGS, PTTC, AOGC, AGC
11/13 Asphaltene and Paraffin Control, Oklahoma City, *MWC
11/14 Asphaltene and Paraffin Control, Tulsa, *MWC
11/28 Modified half-day Hunton Play Workshop, Tulsa, *TGS, OGS, PTTC
11/29 Modified half-day Hunton Play Workshop, Oklahoma City, *OCGS, 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

Chapman leaves Marginal Wells to head NARO



Richard H. Chapman

Richard H. Chapman has left the Oklahoma Marginal Wells Commission to lead the National Association of Royalty Owners (NARO) into the new millennium. Chapman, former MWC director, will head NARO as Chief Executive Officer.

Chapman had an integral part in making the Marginal Wells Commission what it is today, and has made many contributions to the efforts of PTTC. He has devoted countless hours and great effort to educating marginal well operators, legislators, and industry-related organizations on the importance of continued production in Oklahoma.

NARO's offices are located in Norman, Oklahoma.

HUNTON—*continued*

ervoirs, on a per-well or per-acre basis, in the Anadarko basin of western Oklahoma.

The workshop will examine lithostratigraphic relationships of the individual formations and members that make up the Hunton Group. Attention also will be given to Hunton relationships with the underlying Sylvan Shale (Ordovician) and the overlying Woodford Shale (Devonian–Mississippian). Another discussion will focus on submersible pump applications in Hunton reservoirs with high water cuts.

Hunton reservoirs in the Leedey field in Dewey County, the East Arnett field in Ellis County, and the Prairie Gem field in Lincoln County will be examined in detail. All are in Oklahoma.

The workshop leader is Kurt Rottmann, an Oklahoma City consulting geologist who has contributed to a number of other OGS/PTTC workshops. Also participating in the presentations are: Edward A. ("Ted") Beaumont, a Tulsa consultant; Robert A. Northcutt, an Oklahoma City Independent; Pat Brown, a production engineer from Stillwater; and Zuhair Al-Shaieb, Jim Puckette, and Paul Blubaugh, from Oklahoma State University in Stillwater.

A tribute to the late Thomas W. Amsden will be presented by T. L. Rowland, an Oklahoma City geological

consultant. Amsden, a former OGS geologist, devoted a lifetime of methodical investigation to the Hunton, and his research laid the foundation for much of the exploration and development that occurred from the 1950's through today. Building on the work of Amsden and others,

the shallower parts of the Anadarko and Arkoma basins were drilled intensively, providing valuable information for defining environments of deposition, stratigraphic relationships, and economic potential. Many of the concepts developed from years of exploration and drilling are applicable to the largely unexplored deeper parts

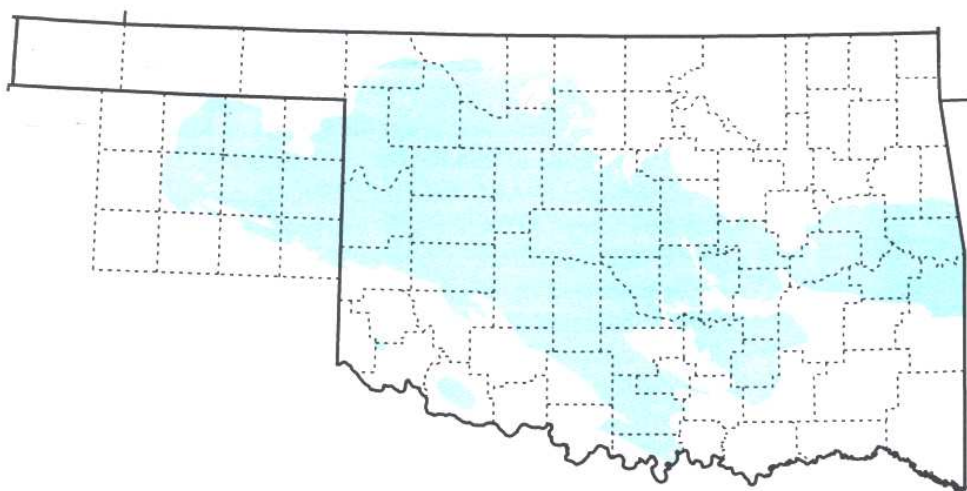
of the Anadarko basin and to areas of the Anadarko shelf that are not yet developed because of high water cuts in the Hunton.

The workshops will be held at the Moore-Norman Technology Center, 4701 12th Ave. NW, in Norman. Participants have a choice of attending October 17 or 18. Registration will be \$40, which includes coffee breaks, lunch, and a copy of the Hunton publication.

For more information on this workshop, contact Michelle Summers at 405/325-3031 or 800/330-3996; or write to her at 100 E. Boyd, Rm. N-131, Norman, OK 73019-0628. Information about this meeting is posted on the web at: <<http://www.ou.edu/special/ogs-pttc>>.

Hunton half-day workshops set for Tulsa, OKC

The Hunton Workshop will be presented again in November in a modified half-day format in both Tulsa and Oklahoma City. These meetings are sponsored by the OGS and the Oklahoma City and Tulsa Geological Societies in order to give their members another chance to attend, or to review the information if they participated in the whole-day workshops. The workshop is set for Tulsa on November 28, and Oklahoma City on November 29. Call the TGS (918/478-5407) or OCGS (405/236-8086) for details.



Area of Hunton Group in Oklahoma and Texas Panhandle.