Bruning Elected New PAG Chair; Southmayd National PTTC Vice Chair

James E. Bruning, president and CEO of Freedom Energy, Inc., in Fort Smith, Arkansas, was elected as the new chair of the South Midcontinent Region's Producer Advisory Board (PAG). Bruning follows the Region's first PAG chair, Clark Southmayd, manager of engineering and operations of OneOk Resources Company in Tulsa, Oklahoma. Southmayd recently was elected to the national PTTC office of vice chair.

Daniel S. Richmond, of Uplands Resources in Tulsa, was elected vice chair of the South Midcontinent Region PAG.

Congratulations and thank these individuals when you see them for their efforts on behalf of small producers throughout the region and the nation.

July 29, Oklahoma City—Seismic Workshop!

Mark your calendar for Thursday, July 29, when the much-anticipated workshop on 2-D and 3-D seismic will be held in Oklahoma City at Francis Tuttle Vo-Tech Center. The material is geared for those who aren't exploration seismologists, and will help operators get a better feel for when to use seismic methods, and what results to expect for the investment.

Meeting, coffee breaks, lunch, and the companion publication are included in the registration fee.

For more information, contact the OGS at the numbers and web site address given to the left. Don't miss out on this one!

More on Waterfloods in Late September!

Although a specific date has not been set as of this publication, the second installment of the waterflood series will be presented in late September in Oklahoma City. Titled "Geological Perspectives of Reservoir Engineering," this workshop again will be led by Kurt Rottmann, and will concentrate on rock and fluid properties an engineer or geologist would incorporate into a preliminary evaluation of a waterflood prospect.

By understanding these properties, an operator can save time in the review by detecting potential problems for a waterflood project's viability. 

(continued—Waterflood, p. 2)
**Upcoming Events**

**July**
- 7/29 2D-3D Seismic: Effective Application Can Improve Your Bottom Line, Francis Tuttle Vo-Tech, Oklahoma City, *OGS, PTTC*

**August**
- 8/18 Due Diligence, Oklahoma City, *MWC*
- 8/29-31 Mid-Continent Section, AAPG, Wichita, Kansas

**September**
- Waterflooding Workshop: Geological Perspectives of Reservoir Engineering, Oklahoma City, *OGS, PTTC*
- 9/15-17 Gulf Coast Section, AAPG, Lafayette, Louisiana
- 9/29 Bartlesville Play Workshop, Oklahoma City, *OCGS, OGS, PTTC*

**October**
- Coalbed Methane Workshop, Oklahoma City, *OGS, PTTC*
- 10/10-16 Earth Sciences Week
- 10/25-28 GSA Annual Meeting, Denver

**November**
- Morrow Play Workshop, Oklahoma City, *OGS, PTTC*
- 11/18-20 National Science Teachers Association Meeting, Tulsa

**December**
- 12/6 Prue and Skinner Plays Workshop, Oklahoma City, *OCGS, OGS, PTTC*
- 12/12-14 Interstate Oil and Gas Compact Commission, New Orleans, Louisiana

*OGS=Oklahoma Geological Survey, 405/325-3031 or 800/330-3996
*MWC=Marginal Wells Commission, 405/366-8688; 800/390-0460
*OIPA=Oklahoma Independent Petroleum Association 405/942-2334 or 800/838-6472
*OCGS=Oklahoma City Geological Society, 405/236-8086

**Upcoming Workshops**

**September—Bartlesville**
**September—Waterflood**
**October—Coalbed Methane**
**November—Morrow**

**Waterflood—continued**

Rottmann hopes this information will help engineers, geologists, and operators communicate more effectively. A lack of communication among these groups is one of the primary reasons for wasted company resources in secondary recovery operations.

Among the topics to be covered are: oil originally and currently in place, effects of production on the oil, material balance and formation volume factor, rock and fluid properties, displacement efficiency, areal and vertical sweep efficiencies and waterflood patterns.

This workshop is one many of you specifically have asked PTTC to present. The information is important, and relates directly to costs and production.