



EOR and the Expanding Field of Carbon Dioxide Flooding



Date: Sunday, September 16, 2007

Time: 8:00 a.m.-5:00 p.m.

Location: Lexington, Kentucky, with AAPG Eastern Section Meeting

Instructors: Steve Melzer (Melzer Consulting, Midland, TX); Bernie Miller (Miller Energy Technologies, Lexington, KY)

Tuition: \$50 (includes course notes and refreshments)

Limit: 50 persons

Content: .7 CEU

Who should attend

Geoscientists, geophysicists and managers who are familiar with oil reservoirs but not necessarily conversant in enhanced recovery techniques. The instructors for the course are very familiar with the ongoing floods and will utilize case histories and current procedures at use at today's floods.

Course description

This course will provide an overview of the modern day practices of carbon dioxide enhanced oil recovery. CO₂ EOR is the leading EOR technique for light oils and has grown to 80 active projects worldwide with an estimated 30 in various planning stages today. New sources of CO₂ are expected to become available around the world as energy demand grows and as concerns over CO₂ emissions from new energy sources require capture of these emissions. Application of CO₂ EOR techniques has been primarily limited in the past due to two factors: the lack of nearby CO₂ sources and excessive volatility in oil prices. In

this new world environment wherein oil prices are high and CO₂ EOR provides a home for large amounts of captured CO₂, an exciting growth environment should materialize as new power sources are developed.

Screening of candidate reservoirs will be covered in the course along with discussion of both the conventional sources used in the past and the coming new era of CO₂ sources. The reservoir attributes of the existing 30-year database of CO₂ floods will be reviewed. Oil recovery from beneath the conventional oil column will be addressed. These intervals of high water content and smaller percentages of oil, called transition or residual oil zones, produce only water on primary or secondary recovery, have become economic CO₂ targets today, and can represent a huge potential resource in many parts of the country. Some of the tools to detect and quantify these residual oil zone targets will be addressed.

The CO₂ EOR experience in the eastern region of the U.S. has been limited to only a few projects due to the lack of high volume, reliable CO₂ sources. Some very small-scale but recent CO₂ EOR experience in Kentucky is encouraging and will be reviewed.

Registration Form

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Registering For: (write in course title and date)

Payment Information: Check enclosed

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Charge full tuition Charge \$50 deposit only

All credit card charges will be processed in U.S. dollars only. All checks must be made PAYABLE TO AAPG IN U.S. DOLLARS AND DRAWN ON A U.S. BANK. Checks made to the Education Department should be written to the AAPG EDUCATION DEPARTMENT.

Registration Policy: Mail completed form with full tuition to the AAPG Education Department. **Full tuition is due 4 weeks prior to commencement of course.**

Cancellation Policy: AAPG will refund the tuition, less a \$50 processing fee, if request is received no later than 4 weeks prior to the course (6 weeks on international courses). Cancellation must be made in writing: the registrar will accept cancellation notices by telephone, but all such notices must be followed up by mail, FAX or e-mail. **No refund will be made for cancellations received less than 4 weeks prior to a course being given (6 weeks on international courses).** Nonpayment of tuition does not constitute automatic cancellation. **If no cancellation notice is received by 4 weeks prior to course (6 weeks on international courses), participant is liable for full tuition.** AAPG reserves the right to cancel a course if enrollment is insufficient to ensure proper effectiveness. Substitutions for individuals can be made at any time.

Complete and return this form with tuition to:

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