



December 2003

Los Angeles Basin Section Newsletter

Message From Section Chairman

The day before each year's SPE Annual Technical Conference, there is a meeting of officers and representatives from SPE management and Section volunteers. They meet each other and discuss ways to improve local Section operations. At the October 2003 meeting in Denver, LASPE was well represented by Sam Sarem and Jalal Torabzadeh.

From LASPE's standpoint, I believe the most interesting part of the meeting was the discussion of Section Best Practices. There were many "Best Practices" from all over the world, but I think four of these are especially applicable to our operations:

- The Thailand Section collects business cards to make sure their data base is accurate and to send membership materials to non-SPE members.
- The Delta Section holds an annual management breakfast. To me, this is a good way to make sure the Section is in tune with local needs.
- In conjunction with other local industry groups, the San Joaquin Valley Section hosts an annual community energy night.
- SJV Section sends copies of their newsletter to local industry leaders.

LASPE's program year is moving forward with Community Outreach, the Monthly Technology Forum, scholarship awards and the Golf Tournament. I hope to incorporate the Best Practices above for an even more productive year.

If you have any ideas to increase member interest and participation in our activities or to improve LASPE's responsiveness to local industry needs, please let me know your thoughts.

Rick Finken, 2003 – 2004 Chairperson

December SPE Petroleum Forum

- DATE:** December 9, 2003
TIME: 11:30 am – Social
12:00 pm – Lunch
12:30 pm – Presentation
- PLACE:** Long Beach Petroleum Club
3636 Linden Avenue
Long Beach, CA
- COST:** \$15.00 General; \$5.00 Students
- SPEAKER:** **Lynn Orr**
Stanford University
- TOPIC:** **Energy and Global Change: CO₂ Sequestration in the Earth's Crust and Deep Ocean**

Summary:

Energy is the lifeblood of modern societies. Within 20 years, 7.5 billion humans will occupy this planet, about 25% more than do so now. They will want to heat and light their homes, power electrical devices, move from place to place, grow food, and drink clean water. Supplying the energy required to do all this is, by itself, a significant challenge.

But that is only part of the challenge. It is now apparent that humans are interacting with the chemistry of the planet on a global scale. The concentration CO₂ in the atmosphere has increased by a third from its preindustrial levels. There has been an easily detectable change in the pH (a measure of how acid or alkaline a solution is) of the upper ocean as the CO₂ from the atmosphere dissolves. While there is a lively ongoing debate about the magnitude of a global warming response to the presence of greenhouse gases in the atmosphere, there is no question that changes are occurring on a global scale.

This talk considers the possibility that substantial reductions in the amount of CO2 emitted to the atmosphere may be required. Improved energy efficiency, energy sources other than fossil fuels, and sequestration of CO2 in the oceans and in subsurface porous media are all being considered as ways to reduce CO2 emissions. The technical challenges of and the advantages of storage of CO2 in the oceans or in oil and gas reservoir rocks, deep saline aquifers, or in deep fractured coal beds are outlined.

Biography:

Franklin M. ("Lynn") Orr, Jr. became GCEP Project Director in November 2002. He is the Keleen and Carlton Beal Professor of Petroleum Engineering. Orr was the Chester Naramore Dean of the School of Earth Sciences at Stanford University from 1994 to 2002.

Orr earned a bachelor's degree in chemical engineering from Stanford in 1969 and his doctorate in chemical engineering from the University of Minnesota in 1976. He joined the Stanford faculty in 1985.

Orr's research interests include multiphase flow in porous media; interactions of high-pressure phase equilibria of multicomponent mixtures with multiphase flow, with applications to enhanced oil recovery by gas injection processes and contaminant transport in aquifers; modeling of large-scale, hydrodynamically unstable flows in naturally heterogeneous porous media; theory of first-order partial differential equations as applied to chromatographic separations that occur during multiphase flow in porous media; capillary phenomena of near-critical fluids in porous systems; and gas hydrates and CO2 sequestration.

Orr serves on the Department of Energy's Basic Energy Sciences Advisory Committee. He was elected to the National Academy of Engineering in 2000. Orr is a member of the boards of directors of the Monterey Bay Aquarium Research Institute, and the David and Lucile Packard Foundation.

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Upcoming SPE Forum Meetings

January 13: Dalton Lockman - Inglewood field seismic program and results

February 10: Farouq Ali (Distinguished Lecturer) - The Unfulfilled Promise of EOR

March 9: David Norman (Distinguished Lecturer) - Frac Pack Completions

April 13: Hal Bopp, California Oil and Gas Supervisor

May 11: Membership roundup - program to be announced

June 8: Khalid Aziz - Reservoir Simulation.

Computer Tip from Fred Crosby

OUTLOOK: FLAGGING ITEMS FOR FOLLOW-UP

In a recent tip I explained that you can flag contacts for follow-up, just as you can flag e-mail messages. In both cases you can include a reminder to help you remember that an action is required for the item.

To set the reminder, right-click the item and choose Follow Up, Add Reminder (or just click Follow Up for a contact). In the Flag for Follow Up dialog box, select a day from the Due By drop-down list, then choose a time from the combo box next to it (which reads None by default). You can also type a time in this field if the times listed don't meet your needs.

You can flag items for follow-up in other ways, as one Office Letter subscriber pointed out to me. For example, you can right-click a message, drag it to the Calendar folder, and choose Copy Here As Appointment With Text to create a new appointment with the message in the body of the appointment item.

You can do the same with a contact, which creates an appointment with the contact information in the body of the appointment. If you prefer, you can choose Copy Here As Appointment With Attachment if you want the contact or message attached to the appointment.

These two methods -- flagging for follow-up and creating an appointment -- are not the same, however. In both cases you can set a reminder, but when you flag an item for follow-up, you gain an additional means for organizing and viewing the items. The Contacts folder, for example, includes a By Follow-Up Flag view that you can use to view flagged contacts. You can also create custom views in other folders to sort those folders by follow-up flag.

Message From Golf Tournament Chair

In our Future Shock Society I think we can all agree that *Technology* and the ability of future generations to understand and develop it are vital to our industry's continued strength. The Los Angeles Basin Section of the Society of Petroleum Engineer's (LA SPE) major priority is the

development of engineering and science skills in today's youth and it's members. The Annual Golf Tournament is the Society's major funding vehicle for programs that support this priority.

The 2004 Tournament will add a few new twists with the start of company-company competition in the *Company Cup Challenge*, and as always there will be a number of events for golfers of all skill levels to participate in!

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SPE Charity Golf Classic

June 18th, 2004

Los Serranos Country Club

2 Courses - 288 Players

The Banquet, The Raffle, Pre-Tournament BBQ

*Starting this year **The Company Cup Challenge!!***

Put you best Company Team together and challenge the *best of the rest*

Tournament, Tee and other sponsorship opportunities!! Also this year Student Player Sponsorships (Tournament Sponsor starting at \$1000, Foursomes - \$500)

Employment Opportunity

Union Bank of California is a rapidly growing financial institution. For you UBOC offers a passionate employee-focused and professional, team oriented work environment. It's a place where your comments and ideas are not only welcomed, but also encouraged.

We are seeking a Senior Petroleum Engineer to provide technical support in the analysis of oil and gas properties for loan requests and existing customers who tend to be small independent oil and gas companies. This primarily involves critical auditing of independent third party engineering evaluations in all key areas of technical due diligence which includes production, expense, cost estimates, and economic assumptions. In addition, the job will include analyses of the technical risks associated with the credit request. The candidate will monitor performance of existing customers through comparison of forecasted production and financial trends versus actual production and financial figures. Requires a minimum of 5 years Petroleum Engineering experience with a major or large independent oil company or Bank. Familiar with hydrocarbon reserves evaluation. Proficiency with spreadsheets on PC's. Analytically oriented. Strong written and oral communication skills. Requires moderate level of domestic travel. Familiar with financial statements and reserve reports. Position can be located in Los Angeles, Dallas or Calgary.

Union Bank of California is an equal opportunity employer. We offer a competitive salary and an excellent benefit package. Please submit your resume via e-mail to Barbara.mahoney@uboc.com

Please notify SPE Headquarters directly with change of address: P.O. Box 833836, Richardson, TX 75083 or spe.org

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