Thursday, September 21, 2006

Petroleum Club • 800 Bell (downtown)
Social 11:15 a.m., Lunch 11:45 a.m.

Register online, call, fax or e-mail your reservation to Mrs. B.K. Buongiorno at Tel: 713-651-1639, Fax: 713-951-9659, e-mail: bkspee@aol.com by 12:00 Noon, Tuesday September 19, 2006. **Members and Affiliates who register by September 19 pay $30. The cost is $35 for guests, non-members, and new registrations at the door.** No-shows will be billed. You can now sign up for SIPES Meetings online at www.sipeshouston.org, but payment is still required by regular mail or at the door.

SIPES Luncheon Meeting

by ***Bob Lieber***

The Role of Petrophysics in the World of the Independent: Wow or Wizardry?

Petrophysics (the integrated evaluation of a reservoir's hydrocarbons in place and potential deliverability) was once viewed as realm of the selected specialist. With the advent of computer based log analysis packages, many independent operators in the oil and gas industry feel the need for petrophysical specialization is past. Petrophysics is viewed as simply the science of putting four significant figures to the right of the decimal point when one or two will do, isn't it? This presentation looks at some of the assumptions about petrophysics widely held in our industry and shows them to be just that; assumptions. Among the topics to be discussed are "What does a porosity cut-off really mean"; "What does the Archie equation really calculate" and "I'm an independent, why do I have to worry about relative permeabilities." In these times of economic upheaval (hardly new to our industry) it is essential that technology levers be applied in the correct manner. Petrophysics may be "wow" or it may just be wizardry to you, but if you do not understand its correct application you may not be exploiting your reservoirs to their maximum potential. ■

Biographical Sketch

Bob Lieber is a petrophysicist with over twenty-five years of varied petrophysical, geological and geophysical experience in domestic and international offshore and onshore basins. He has spent time working for major oil companies, small independent operators and as a consultant. He is currently a petrophysicist with BP America working tight gas reservoirs in the Anadarko Basin. Bob is an AAPG Certified Petroleum Geologist, a board member and past president of the SPE GCS Reservoir Study Group and a member of the SPWLA.