

**PTTC/I.C. White Memorial Symposium Workshop
July 28, 2009
Embassy Suites, Pittsburgh Airport**

“Applied Reservoir Geology for Engineers”

Presented by Dr. Ken Wolgemuth

Course Description:

This course covers what an engineer involved with managing and producing oil and gas fields should know about geology. The environment of deposition impacts the size and shape of a reservoir, where the better quality reservoir rock is located, the origin and complexity of barriers to flow, what influences the variations to porosity, permeability, and irreducible water saturation, and the pore system that affects recovery factor. In a coastal marine environment, principles of sequence stratigraphy that control sand deposition at the shoreline, on the shelf, or in deep water will be described. In a carbonate depositional system, the locations of better quality reservoir rock will be described in relation to a reef environment.

Computer animations of sequence stratigraphy will be available to each participant.

Target Audience:

The course has been designed for Engineers with a year or more of experience who need an introduction to the geology of producing fields, and how geology might influence their decisions about reservoir management. Managers and geologists who want a review of the key topics listed below also should attend.

Course Outline and Topics Covered:

Topics Covered
<ul style="list-style-type: none">• Introduction – Oil reservoir case study – Recovery• Environments of Deposition – Clastics and Carbonates• Sequence Stratigraphy• Geologic Mapping with Frisco City Field Case Study• Pore Systems and Diagenesis - Capillary Pressure• Fractured Reservoirs - Shale Gas• Case study of field on water flood in deepwater depositional setting

The course will begin promptly at 8:00 am and end at 5:00 pm. Certificates of Professional Development hours will be provided at the end of the workshop.

Instructor's Biography:

Ken Wolgemuth, Ph.D., is a petroleum geologist with over 25 years of experience in the energy industry, and an Adjunct Professor and Research Associate in the Department of Geosciences at The University of Tulsa. His experience includes 10 years with Hess Corporation, and 7 years with the American Association of Petroleum Geologists. Ken teaches short courses around the world for Schlumberger/NEExT, the University of Tulsa, and for various oil companies.

Location and Directions:

The workshop will be held at the Embassy Suites Hotel, 550 Cherrington Parkway, near the Pittsburgh airport. A small block of rooms has been reserved for the night of July 27th. Refer to PTTC or I.C. White Symposium when calling the hotel (412-269-9070).



To Register:

NAME: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

E-MAIL: _____

The registration fee for this workshop is \$150. This fee covers the entire workshop, including a notebook, continental breakfast, morning and afternoon breaks and lunch. **Please make checks payable to "I.C. White Memorial Symposium Fund"** and return with this form by July 21, 2009 to: Mike Kirk, WVGS, 1 Mont Chateau Road, Morgantown, WV 26508-8079. For further information contact Eric Lewis at 304-594-2331, or elewis@geosrv.wvnet.edu.

No refunds will be issued after July 21.