PTTC TECHNOLOGY CONNECTIONS

Appalachian Region

Timely, Informed Technology Decisions

"Seismic Imaging of Structural, Stratigraphic and Diagenetic Plays"

March 6, 2003

- This one-day course will examine the many uses of seismic data (both 2-D and 3-D) to image structural, stratigraphic and diagenetic plays. New seismic techniques are leading to improved exploration and development strategies for geologically complex reservoirs such as those of the Appalachian Basin (Trenton-Black River, etc.). Unfortunately the rapid growth of these new technologies has made it difficult for producers and explorationists to assess or understand how, or if, these new seismic methods could help them.

- The course is designed for geologists, geophysicists, engineers, managers or others who will be involved in 3-D seismic interpretation, will be making spending decisions that affect 3-D acquisition or processing, or will be working with results that are based on 3-D seismic interpretations. No rigorous geophysical background is required.

Major topics of the course include:

- Geologic characteristics of principal play types
- Fundamentals of the seismic method
- Importance of data acquisition and processing on seismic data quality
- Characteristics and limitations of 2-D seismic data
- 3-D seismic interpretation
- Advanced analyses – coherency, inversion, attributes, AVO, curvature

INSTRUCTOR

Dr. Bruce Hart held positions with the Geological Survey of Canada, Penn State and the New Mexico Bureau of Mines prior to joining McGill University in 2000. Since 1993 his work has focused on the integration of 3-D seismic and geologic data for reservoir characterization. He is the recipient of the Southwest Section AAPG's Distinguished Educator Award for 2002, and has taught short courses on seismic interpretation in Houston, New Orleans, Denver, Calgary, Cairo and elsewhere. His publications have appeared in AAPG Bulletin, Geophysics, The Leading Edge, Oil and Gas Journal, Journal of Sedimentary Research and elsewhere.

SCHEDULE

Sign-in and course material distribution will begin at 8:00 a.m. on Thursday, March 6, 2003. The workshop will begin at 9:00 a.m., and will continue until 5:00 p.m. There will be a break for lunch at noon, and coffee breaks in the morning and afternoon.

LOCATION

The workshop will be held at the National Resource Center for Coal and Energy Building on Evansdale Drive at West Virginia University, Morgantown W, V.

LODGING
Participants arriving the night before the workshop need to make their own reservations at one of the hotels in the immediate area. The Holiday Inn, Days Inn, Econo Lodge and Hampton Inn are chain hotels in the immediate area from which to choose.

REGISTRATION AND FEES
Please note that advanced registration is necessary to adequately plan the catered lunch, and will begin now and end February 28th.
Registration is limited due to competition from another event at the NRCCE that day, so only the first 60 registrations can be honored.

The cost is $75.00 for workshop. Please complete the enclosed registration form and return it with a total of $75.00 (U.S.) to the address listed.
Please make checks payable to: **"West Virginia University Research Corporation."** The registration fee covers the entire cost of the workshop, workshop notebook, continental breakfast, morning and afternoon coffee breaks and lunch.

NAME: _____

ADDRESS: _____

CITY:_____ STATE:____ ZIPCODE: _____

PHONE:_____ _____FAX:_____

Email: _____

Send form and payment to:
Cathy Calkins
NRCCE
P.O. Box 6064
Morgantown, WV 26506-6064

For additional information contact:
Telephone: 304/293-2867, x5415
Fax: 304/293-7822
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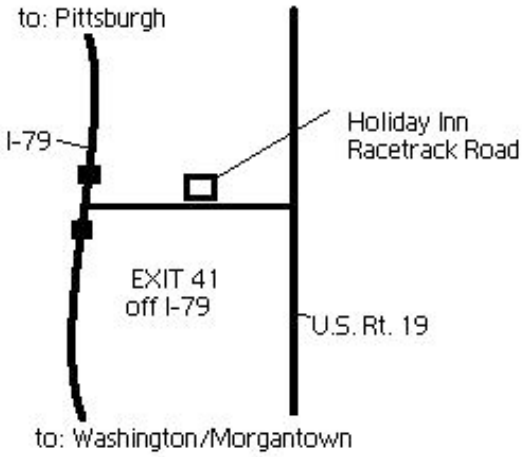

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