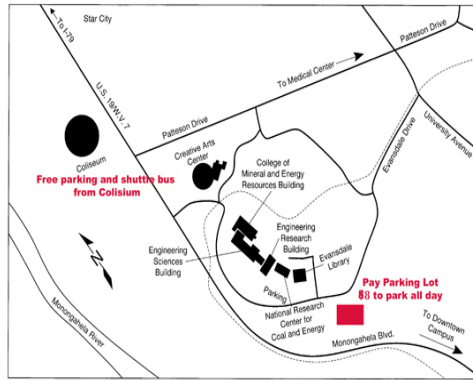


□ LOCATION

The workshop will be held at the National Research Center for Coal and Energy on the Evansdale Campus of West Virginia University in Morgantown, WV.



□ LODGING

Participants arriving the night before the workshop need to make their own reservations at one of the nearby hotels, including the Holiday Inn (304-599-1680) EconoLodge (304-599-8181) or Hampton Inn (304-599-1200).

□ REGISTRATION AND FEES

Please note that advanced registration is necessary to adequately plan the catered lunch, and will begin now and end July 12th. **Registration is limited.** 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, continental breakfast, morning and afternoon coffee breaks and lunch.

□ PROFESSIONAL DEVELOPMENT HOURS (PDH)

Are you an Engineer or other professional out there who needs verification of these hours? Well, PTTC has banded together nationwide to assist in this process. Upon completion of a workshop, participants will be given a certificate of completion for the course and the appropriate number of hours for PDH credit. Each certificate will have the schedule on the reverse side for easy authentication.

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NRCCE/West Virginia University
PTTC Appalachian Region
P.O. Box 6064; Evansdale Drive
Morgantown, WV 26506-6064
Phone: (304) 293-2867x5446
ADDRESS CORRECTION REQUESTED

COAL BED METHANE; JULY 19, 2004



An Integrated Coal Bed Methane Exploration Model: Defining Coal Bed Methane Exploration Sweetspots

*July 19, 2004
Morgantown, WV*

Host
PTTC Appalachian Region
Appalachian Oil & Natural Gas
Research Consortium
West Virginia Geological Survey
West Virginia University NRCCE

PTTC gratefully acknowledges that its primary funding comes through the U.S. Department of Energy's (DOE) Office of Fossil Energy through the National Petroleum Technology Office (NPTO) and Strategic Center for Natural Gas (SCNG) within the National Energy Technology Lab (NETL).



□ WORKSHOP SCOPE

This course is designed to review the basic fundamentals of coal bed methane and to provide additional details about various aspects of coal bed methane exploration and development for those who are already familiar with this resource.

Emphasis will be placed on a geologic/hydrologic-centered approach to coal bed methane exploration and development integrated in a basin-scale coal bed methane exploration model. Multiple exercises are included within the short course to provide attendees with “hands-on experience” in evaluating coal bed methane prospects and defining coal bed methane exploration fairways.

The course will begin with a series of presentations that will provide an overview of the fundamentals of coal bed methane, including how coal reservoirs and coal bed methane production differ from conventional gas plays. A coal bed methane exploration model that emphasizes key geologic and hydrologic controls on coal-gas production will be reviewed. The key factors affecting coal bed methane producibility include basin tectonic and structural settings, natural fracture patterns, coal depositional environments, coal rank and thermogenic and biogenic gas generation, sorption characteristics, gas content distribution, gas composition, hydrodynamics and permeability.

Several exercises will provide participants with practical hand-on experience.

Topics covered in the short course include:

- Overview of the coal bed methane exploration model
 - Coal depositional systems
 - Tectonic and structural setting
 - Coal rank and gas generation
 - Gas content distribution
 - Permeability and hydrogeology
- Resource and reserve calculations

□ WHO SHOULD ATTEND

This coal bed methane short course is valuable for **geologists, hydrologists, geophysicists** and **petroleum engineers** who want to learn the basic fundamentals and/or review latest technologies that are applicable to coal bed methane exploration and resource development.

□ COURSE INSTRUCTOR

Andrew R. Scott has more than 14 years of coal bed methane experience and has published more than 70 senior authored papers and abstracts on various aspects of coal bed methane exploration and development. He has participated in many coal bed methane workshops and short courses in the United States as well as internationally, and has received more than a dozen awards for his research efforts. Prior to starting Altuda Energy Corporation, Mr. Scott held a position of Research Associate at the Bureau of Economic Geology, the University of Texas at Austin, where he worked on a wide variety of research projects, served as Program Director of Domestic Energy Research and Director for the Texas Region of the PTTC.

Mr. Scott is a recent Past President of the Energy Minerals Division of the American Association of Petroleum Geologists and serves on the AAPG Research Committee.

□ SCHEDULE:

Sign-in and course material distribution will begin at 8:00 a.m. on Monday, July 19, 2004. 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 morning and afternoon coffee breaks.

□ VISIT US ON THE WEB

<http://karl.nrcce.wvu.edu>

<http://www.pttc.org>

□ ADDITIONAL INFORMATION

For additional information, contact
Douglas G. Patchen
304-293-2867, x5443
Doug.Patchen@mail.wvu.edu

Or,

Mark Hoffman
304-293-2867, x5446
MAHoffman@mail.wvu.edu

Registration Form

Name: _____

Company: _____

Address: _____

City: _____

State: _____ Zip Code: _____

Phone: _____

Fax: _____

Email: _____

The registration fee for the workshop is \$75. This cost covers the entire workshop, continental breakfast, a.m. & p.m. breaks and lunch. Please make checks payable to: **West Virginia University Research Corporation** and return with this registration form by July 12th to: **Mark Hoffman**
NRCCE/WVU
P.O. Box 6064;Evansdale Drive
Morgantown, WV 26506-6064

*An Integrated Coal Bed Methane
Exploration Model
July 19,2004*

REFUND POLICY

Registrants who cancel prior to July 12th will receive a full refund. No refunds will be issued after July 12th.