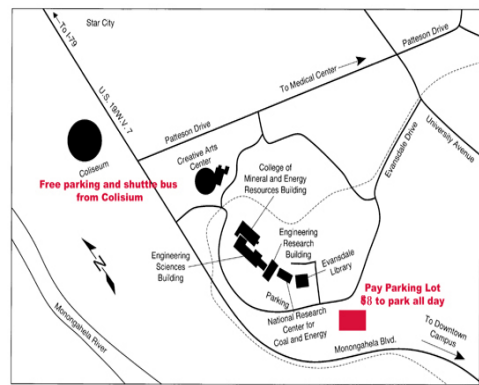


LOCATION

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 Quality Inn & Suites (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 August 9<sup>th</sup>. **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  
  
WELL TESTING; AUGUST 16, 2005



Well Testing:  
Theory & Practice

August 16, 2005  
Morgantown, WV

Host  
PTTC Appalachian Region  
Appalachian Oil & Natural Gas  
Research Consortium  
WVU Petroleum & Natural Gas  
Engineering Department  
West Virginia University NRCCE

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## WORKSHOP SCOPE

This course will provide participants with a theoretical and practical knowledge of well test analysis techniques. The course will begin with an overview of the theory and the fundamentals of well testing. The impact of assumptions and limitations of well tests will be reviewed and discussed. A unified methodology for interpretation of well test data will be presented next. The application of well testing to evaluate gas well deliverability and hydraulic fracture diagnostics will be discussed. The practical aspects of well testing will be emphasized through a number of relevant examples. The use of analysis results to assist in decision making related to reservoir development and well completion will be illustrated. Topics covered in the short course include:

- What Can Be Learned from Well Tests?
- Review of the Flow Equations
- Well Test Assumptions and Limitations
- Well Test Interpretation Models
- Identification and Verification of Interpretation Model
- Generalized Solutions and Type Curves
- Use of Pressure Derivative
- Gas Well Deliverability Testing
- Testing Hydraulically Fractured Gas Wells

## WHO SHOULD ATTEND

**Petroleum Engineers, Geoscientists, Senior Technologist, and Technical Managers** who are involving in designing, conducting, and interpreting well tests. This course provides an excellent overview and is ideal for anyone wanting to enhance their general knowledge of pressure transient analysis.

## COURSE INSTRUCTOR

**Kashy Aminian** is a Professor of Petroleum & Natural Gas Engineering at West Virginia University. He has over 25 years of experience in reservoir and natural gas engineering and has published over 75 technical articles. He holds MS and PhD degrees from the University of Michigan. Previously, he worked as a reservoir engineer specialist for MichCon in Detroit.

Aminian has taught several short courses on “Pressure Transient Testing” “Coalbed Methane Reservoir Engineering” and “Natural Gas Storage.” He has been honored as “Outstanding Teacher” on numerous occasions and was the recipient of the SPE Eastern Region Service Award in 1999.

Aminian is the coordinator of the “North American Coalbed Methane Forum” and serves on the editorial committee for SPE Formation Evaluation and Reservoir Engineering Journal.

## SCHEDULE:

Sign-in and course material distribution will begin at 8:00 a.m. on Tuesday, August 16, 2005. 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:

Kashy Aminian  
304-293-7682, x 3406  
[khaminian@mail.wvu.edu](mailto:khaminian@mail.wvu.edu)

Douglas G. Patchen  
304-293-2867, x5443  
[Doug.Patchen@mail.wvu.edu](mailto:Doug.Patchen@mail.wvu.edu)

Or,

Mark Hoffman  
304-293-2867, x5446  
[MAHoffman@mail.wvu.edu](mailto: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 August 9<sup>th</sup> to:

**Mark Hoffman**  
**NRCCE/WVU**  
**P.O. Box 6064; Evansdale Drive**  
**Morgantown, WV 26506-6064**

*Well Testing:*  
*Theory & Practice*  
**August 16, 2005**

## REFUND POLICY

Registrants who cancel prior to August 9<sup>th</sup> will receive a full refund. No refunds will be issued after August 9<sup>th</sup>.