

► LOCATION

The workshop will be held at the Holiday Inn – Pittsburgh Int'l Airport in Pittsburgh, PA.

FOLLOW I-279 SOUTH TOWARDS PITT AIRPORT. GO APPROX. 15 MILES TO #3 (RTE. 60 BUSINESS). TAKE RTE 60 BUS. 3 MILES TO SECOND TRAFFIC LIGHT AND TURN RIGHT ON UNIVERSITY BLVD.



(A) - Holiday Inn - Pitt Int'l Airport

► PARKING:

Please park in the hotel parking lot. Parking should be free for all attendees

► REGISTRATION AND FEES

Please note that advanced registration is necessary to adequately plan the catered lunch, and will begin now and end September 6th. The cost is \$75.00 for the 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 materials, 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, 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

HYDRAULIC FRACTURES, SEPTEMBER 13, 2006



Maximizing the Effectiveness of Hydraulic Fractures, from Devonian Sandstones to the Barnett Shale

September 13, 2006

Holiday Inn –
Pittsburgh Int'l Airport

**Hosts: PTTC Appalachian Region
& IOGA-PA**

PTTC gratefully acknowledges that its primary funding comes through the U.S. Department of Energy's (DOE) Office of Fossil Energy through the National Energy Technology Lab (NETL).



► **WORKSHOP SCOPE**

The economic success of most projects in the Appalachian basin is tied to the success of your fracturing program. This workshop will focus on the fracturing process and technologies that can optimize the success of your project. Workshop topics will flow from design through completions and well testing, and will include discussions of models, rock mechanics, geology, mapping, fluid choice and imaging. Case studies will be presented to wrap up the day. At the end of the day, participants should have a better understanding of technologies that are available today, and should be able to answer these questions: Are we doing the right thing on our frac jobs? What have we learned about fracturing? How can we apply this knowledge and experience in other areas? And, when I leave this workshop, what can I do to maximize the effectiveness of my frac programs?

► **INSTRUCTORS**

The workshop organizers have recruited an outstanding group of nationally recognized experts in a variety of fields who will travel to Pittsburgh to share their expertise with Appalachian producers. This is an outstanding opportunity to learn from the very best, including: Jim Beck, former CEO of Seneca Resources; Norm Warpinski, formerly with Sandia National Lab, now with Pinnacle; Mike Mayerhofer, formerly with Union Pacific Resources, now with Pinnacle; Glen Penny, founder of StimLab, now President of CESI;

Ray Walker, VP for Completion Technologies with Range Resources; Mian Ahmad, Dominion E&P; Mark Miller, Eastern Reservoir Services; and Roger Willis, Universal Well Services.

► **WHO SHOULD ATTEND**

Anyone who has ever fraced or ever will need to frac a well in the Appalachian basin!

► **ACCOMMODATION REQUESTS**

Persons needing a disability-related accommodation to participate in this workshop should contact Mark Hoffman (304) 293-2867x5446 or via email at: mahoffman@mail.wvu.edu

► **ADDITIONAL INFORMATION**

For course information, contact
Doug Patchen
(304) 293-2867 ext.5443
Doug.patchen@mail.wvu.edu

► **VISIT US ON THE WEB**

<http://karl.nrcce.wvu.edu>
<http://www.pttc.org>

► **SCHEDULE:**

Sign-in and course material distribution will begin at 8:00 a.m. on Wednesday, Sept. 13, 2006 in sections of the Roebbling Ballroom within the hotel. The workshop will begin at 8:30 a.m. and will continue until 4:30 p.m. There will be a break for lunch at noon, and morning and afternoon coffee breaks.

► **LODGING**

Holiday Inn – Pittsburgh Airport

8256 University Blvd.

Moon Township, PA 15108

412-262-3600

<http://www.ichotelsgroup.com/h/d/hi/1/en/hotel/pitia?rpb=hotel&crUrl=/h/d/hi/1/en/hotelsearchresults>

\$99 Single or Double

[Crowne Plaza Pitts International Airport](#)

1160 Thorn Run Road, Coraopolis,

Pennsylvania

(412) 264-9373

**ADVANCE REGISTRATION
FORM**

**Hydraulic Fractures –
September 13, 2006**

Name _____

Nickname for badge _____

Company _____

Address _____

City _____

State _____ Zip _____

Phone: _____

E-mail: _____

Payment: COST \$75

☐ Check enclosed (payable to WVURC
(West Virginia University Research
Corporation)

☐ Request to be Invoiced

Mail To:

NRCCE

Attn: Mark Hoffman

P.O. Box 6064; Evansdale Drive;

Morgantown, WV 26506-6064

REFUND POLICY

Registrants who cancel prior to Sept 6^h will receive a full refund. No refunds will be issued after Sept 6. Credit cards will incur a \$10 fee for cancellation.