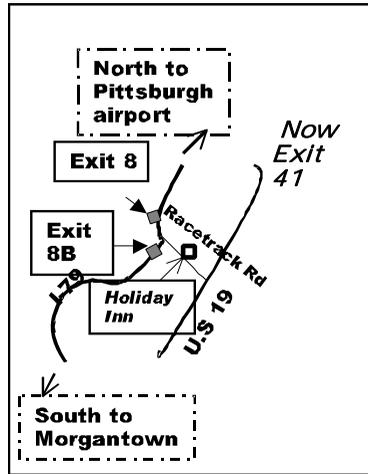


## ► LOCATION

The workshop will be held at the Holiday Inn – Meadow Lands Racetrack in Washington, PA in the Ballroom. The Holiday Inn is located on Racetrack Road off **Exit 41** (old Exit 8) (Interstate 79 Southbound) and **Exit 41** (old Exit 8B) (Interstate 79 Northbound).



## ► LODGING

Participants arriving the night before the workshop need to make their own reservations at the Holiday Inn – Meadow Lands (724-222-6200). **Ask for the special \$89 PTTC rate.**

## ► REGISTRATION AND FEES

Please note that advanced registration is necessary to adequately plan the catered lunch, and will begin now and end May 10<sup>th</sup>. **Registration is limited.** The cost is \$60.00 for workshop. Please complete the enclosed registration form and return it with a total of \$60.00 (U.S.) to the address listed. Please make checks payable to: “**WVU 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 CONTROL 101  
MAY 16, 2006**



# Well Control 101

*May 16, 2006  
Washington, PA*

**Host**  
PTTC Appalachian Region

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**

**Course Outline:**

Four factors typically contribute to the escalation of well control incidents. History has shown that the drilling program, rig equipment, rig personnel and the corporate preparedness are key areas to be addressed.

The following topics are intended to help Operator personnel better understand the importance of early kick detection and proper response to minimize the chance of escalating into a catastrophic event.

Introduction to Well Control

- Causes of Blowouts
- Pressure and Control Concepts
- Well Control Equipment
- Responsibilities of Rig Personnel
- Understanding Kicks
- Shut In Procedures
- Managing the Kick

Management of Well Control Risks

- Identifying Risks
- Assessing Identified Risks
- Mitigating Identified Risks
- Total Risk Management Plan
  - Well Planning
  - Well Modeling
  - Rig Audits of Well Control Systems
  - Crew Awareness
  - Training
  - Emergency Response Planning

**Course Outline cont.**

**Response to a Well Control Incident**

- **Response at the Well Site**
- **Response by the Operator**
- **Response by the Well Control Company**
- **Using ICS to Properly Manage the Incident**
- **Surface Intervention Techniques**
- Working with the Well Control Company

► **WHO SHOULD ATTEND**

The above program is designed for both the experienced field personnel and the inexperienced non-field personnel. The risks of drilling in today’s world needs to be fully understood by not only by the Operator’s Risk Management personnel, but the field personnel who are in the field drilling on a daily basis. The risks of drilling may not have changed, but the consequences of a well control incident have – and, you as the Operator, should be aware and understand these risks and consequences.

► **INSTRUCTORS**

They will be provided by Wild Well Control, Inc.

► **ACCOMMODATION REQUESTS**

Persons needing a disability-related accommodation to participate in this workshop should contact Mark Hoffman by May 10, 2006. Mr. Hoffman may be reached by phone at (304) 293-2867x5446 or by email at [mahoffman@mail.wvu.edu](mailto:mahoffman@mail.wvu.edu).

► **SCHEDULE:**

Sign-in and course material distribution will begin at 8:00 a.m. on Tuesday, May 16, 2006. 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](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 \$60. This cost covers the entire workshop, continental breakfast, a.m. & p.m. breaks and lunch. Please make checks payable to: **WVU Research Corporation** and return with this registration form by May 10<sup>th</sup> to: **Mark Hoffman**  
**NRCCE/WVU**  
**P.O. Box 6064; Evansdale Drive**  
**Morgantown, WV 26506-6064**

*Well Control 101*  
**May 16, 2006**

**REFUND POLICY**

**Registrants who cancel prior to May 10<sup>th</sup> will receive a full refund. No refunds will be issued after May 10<sup>th</sup> .**