In-Depth Introduction to Hydraulic Fracturing

August 27-28, 2012 :: Pittsburgh, PA

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Hydraulic fracturing is a very common technique in oil and gas drilling. Although the idea is simple to understand, the terminology and processes are more complex. Whether you have a financial or engineering background, this course will be beneficial. The course is designed to give a broad overview of how fracturing works, the technology used, and the processes that are incorporated into hydraulic fracturing. Attendees will walk away from this course

Event links

- Download brochure
- Full agenda
- Instructor
- Register now

Other events

Improving HSE in O&G: Strategies and Perspectives on Decreasing Accidents and Expanding Operations
May 21-22, 2012 - Denver, CO

Intensive Natural Gas Course for Energy Professionals
May 21-22, 2012 - Denver, CO

The Lightning Threat: Oil and Gas
May 24, 2012 - Online

Recent Changes in Texas Eminent Domain Law Affecting Energy Projects
May 30, 2012 - Online

Topics include

- Geology
  - Classification of rocks
  - Formation: depositional formations, time comparison
  - Porosity and permeability
  - Geological mapping
- Conventional oil and gas:

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identifying and locating "source rock"

Drilling

- What it takes to drill (people, equipment, money, time, etc.)
- Differences in drilling techniques: cable vs. rotary vs. fracturing
- Vertical and horizontal
- Casing in drilling
- Problems with drilling: cementing, accidents, regulations
- Well completion: well stimulation

Fracturing

- Action of fracturing : frac fluid, sand, proppants, flowback
- Frac design: amounts, composition, slick water vs. gelled, frac pressure

Instructed By

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David K. Dillon is the principal of David K. Dillon PE LLC, a petroleum engineering consulting firm located in Centennial, Colorado. He is a licensed professional engineer in Colorado and Wyoming, and he has been a member of the Society of Petroleum Engineers for more than 35 years. Before starting his career as a consulting engineer, Mr. Dillon worked in the private oil and gas industry for 20 years as a drilling engineer, a production engineer, and a reservoir engineer. He has extensive experience in optimizing production from existing fields, secondary recovery operations, and the calculation of reservoir reserves.

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