

Short Course #3: Completions and Stimulation for Geologists

Date:Saturday, July 12, 2008, 8:30 am – 5:00 pm
Instructor:Jennifer Miskimins (Colorado School of Mines)
Location:Berthoud Hall room 243, Colorado School of Mines
Fee:\$150 (includes lunch, refreshments, and course notes)
Limit:70 persons
Sponsors:Petroleum Technology Transfer Council

Objectives and Content

This one-day short course provides a basic understanding of completion and stimulation techniques for geoscientists. The design of wells, from casing schematics through initial stimulation, is covered including the following topics:

- Single completions
- Multiple completions
- Tubing sizes and designs
- Packers and other downhole equipment
- Perforating techniques
- Formation damage
- Acidizing
- Hydraulic fracturing
- Other stimulation techniques



The course approaches these topics from a multidisciplinary viewpoint to facilitate the input of geological and petrophysical components into completion and stimulation operations. Data and information that should be considered and shared by all disciplines will be discussed.

Instructor

Jennifer Miskimins, Ph.D., P.E., is an Assistant Professor in the Petroleum Engineering Department at the Colorado School of Mines. She is the Director of the Fracturing, Acidizing, Stimulation Technology (FAST) Consortium which performs research in the area of hydraulic fracturing and other stimulation techniques. Dr. Miskimins joined the faculty of CSM in 2002, prior to which she worked for Marathon Oil Company and various other companies. She is a member of SPE, RMAG, AAPG, and SPWLA.

