Petrophysics of Unconventional Reservoirs - PUR

COURSE

About the Course

Petrophysics is central to the integration of a wide spectrum of related geoscience and engineering disciplines. However, students should also be familiar with at least two or more of the following topics: horizontal well drilling, wireline logging and log analysis, coring and core analysis, petrophysics, geophysics, geochemistry, formation testing, rock mechanics, hydraulic fracturing, and petroleum economics.

Target Audience

Geoscientists involved with the evaluation and exploitation of unconventional reservoirs including tight gas sands, shale gas, and coal-bed methane.

You Will Learn

Participants will learn how to:

- Interpret petrophysical data gathering from unconventional reservoirs from both core and log data
- Assess TOC and maturity indicators
- Evaluate measurement provided by service companies
- Gauge gas-in-place and reserves in unconventional reservoirs
- Recognize consequences and magnitudes of shale anisotropy
- Interpret NMR and capillary pressure measurements made on shale
- Interpret microstructural imaging of shale

Course Content

- Overview of unconventional reservoirs
- Geochemistry of unconventional rocks
- Special coring and core analysis techniques for unconventionals
- Wireline logging of unconventional reservoirs
- Assessment of formation organic content (TOC) and maturity
- Gas-in-place and reserve and flow potential estimates
- Geomechanics and fracturing

Product Details

Categories: Upstream

Disciplines: Petrophysics Unconventional Resources

Levels: Intermediate

Product Type: Course

Formats Available: In-Classroom

Instructors: PetroSkills Specialist Jeff Hamman John Sneider Carl Sondergeld

In-Classroom Format

8 Jul '24 10 Jul '24 -	Course	In-Classroom (in Houston)	$3,595.00