



## 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 unconventional
- 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
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