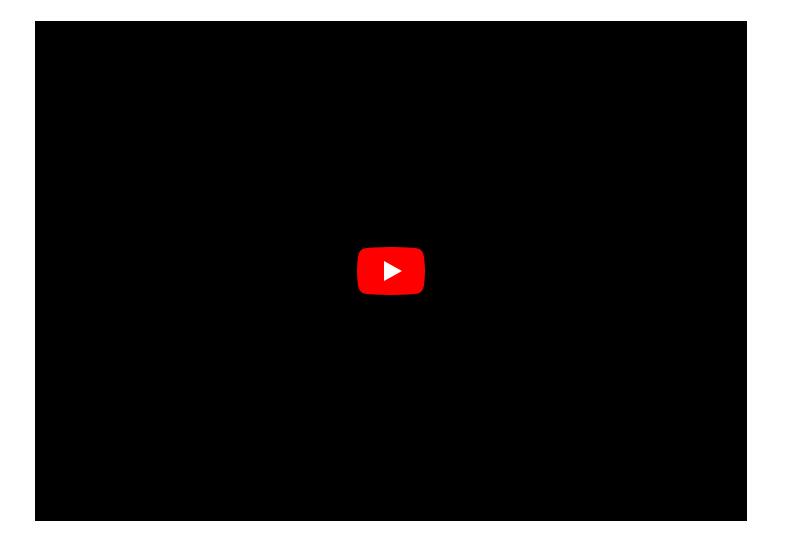**PetroSkills**

Introduction and Overview of Petrophysics

MODULE

About the Skill Module

This module introduces key concepts in petrophysics and provides an overview of how petrophysics is used in a variety of E & P applications. Topics include types of well data and data gathering, such as mud logs, MWD/LWD logs, wireline logging, coring, and core analysis. This module explains how common logging tools work and how they are used. Various petrophysical workflows are reviewed that integrate petrophysical data for common applications, including volumetric assessments. The knowledge gained in this module will give you the ability to comfortably work through complex datasets in many petrophysics topics.

See example online learning module

Target Audience

Geoscientists and engineers with less than twelve months experience using petrophysical data and other technical staff at all experience levels wanting a fundamental background in the petrophysics discipline.

You Will Learn

Participants will learn how to:

Describe petrophysics and explain petrophysical applications in other subsurface specialties (Geology, Geophysics, Reservoir Engineering, Drilling Engineering)

- List and describe important petrophysical properties
- Explain the collection, types, and applications of petrophysical data including
  - Mud logging
  - Measurement while drilling (MWD)
  - Logging while drilling (LWD) and wireline logging, including differences and similarities
  - Core sampling, including the advantages and disadvantages of different types of sampling
  - Routine core analysis (RTA) and special core analysis (SCAL)
  - Fluid sampling and pressure data (wireline)
- Define petrophysical rock types and describe the basic relationships between petrophysical properties and depositional environment
- Define and describe the methodology of determining net sand, net pay, and water saturation for volumetric calculations

Product Details

Categories: Upstream

Disciplines: Petrophysics

Levels: Basic

Product Type: Individual Skill Module

Format: On-Demand

Duration: 5 hours (approx.)

$395.00