



Reservoir Rock Properties Fundamentals

MODULE

About the Skill Module

This skill module introduces the concepts of wettability, capillary pressure and relative permeability, and discusses how they are measured and modeled for reservoir behavior description.

Target Audience

Engineers or geoscientists who will occupy the position of reservoir engineer, and any other technically trained individual who desires a more in-depth foundation in reservoir engineering.

You Will Learn

Participants will learn how to:

- Describe the concept of fluid contacts
- Describe how saturations change when crossing contacts
- Describe wettability
- Describe interfacial tension
- Describe how residual oil saturation is controlled by the interplay of different forces
- Define capillary pressure
- Explain how capillary pressure is a combination of several related phenomena
- Describe how capillary pressure can be used to explain macroscopic reservoir phenomena
- Show how collecting capillary pressure data can actually save money
- Discuss the various choices available for measuring relative permeability in the laboratory
- Discuss the various choices available for measuring capillary pressure in the laboratory
- Discuss the various choices available for measuring capillary pressure in the laboratory
- Show how reservoir engineers model relative permeability
- Show how reservoir engineers model capillary pressure
- Describe how reservoir engineers define saturations
- Apply concepts discussed in the skill module to build relative permeability and capillary data datasets

Product Details

Categories: [Upstream](#)

Disciplines: [Reservoir Engineering](#)

Levels: Foundation

Product Type: Individual Skill Module

Format: On-Demand

Duration: 7.5 hours (approx.)

\$795.00