



## 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.

[See demo online learning module](#)

#### 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
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- 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**