



## Reservoir Fluid Displacement Fundamentals

### MODULE

#### About the Skill Module

This skill module covers the same topics as Reservoir Fluid Displacement Core but goes into greater detail on the topics: Immiscible, linear displacement as dispersed and segregated flow; Aquifers; Coning; Vertical layering.

[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:

- Calculate the breakthrough time for an oil well using a collection of different methods
- Explain how rock and fluid properties as well as reservoir geometry affect the breakthrough time
- Model the flow of two fluids concurrently through the same rock volume
- Recognize how flow rates and pressure drops vary under two phase flow
- Calculate recovery factors for reservoirs experiencing two phase flow as a function of time
- Use correlations to estimate areal and vertical sweep efficiency
- Calculate water influx into hydrocarbon reservoirs using a variety of aquifer models
- Recognize the strengths and weaknesses of popular aquifer models

#### Product Details

Categories: [Upstream](#)

Disciplines: [Reservoir Engineering](#)

Levels: [Foundation](#)

Product Type: Individual Skill Module

Format: On-Demand

Duration: 10 hours (approx.)

**\$795.00**