

### **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

## **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: <u>Upstream</u> Disciplines: <u>Reservoir Engineering</u> Levels: <u>Foundation</u> Product Type: Individual Skill Module Format: On-Demand Duration: 10 hours (approx.)

# \$795.00