PetroSkills

Basic Reservoir Engineering - BR

COURSE

About the Course

Basic Reservoir Engineering is a course designed to help the participants develop a more complete understanding of the characteristics of oil and gas reservoirs, from fluid and rock characteristics through reservoir definition, delineation, classification, development, and production. Data collection, integration, and application directed toward maximizing recovery and Net Present Value are stressed. Basic reservoir engineering equations are introduced with emphasis directed to parameter significance and an understanding of the results. For nearly 30 years this has been one of our most popular and successful courses.

This course is also available in a blended, virtual format via PetroAcademy

This course covers conventional reservoirs.

"I thought the content was spot-on." - Exploration Geoscientist, United States

"The way it was given caught everyone's attention and was interactive." - Wellsite Engineer, Denmark

"The supplemental decline curve section was very worthwhile." - Geologist, United States

Target Audience

Geologists, geophysicists, engineers, engineering trainees, technical managers, technical assistants, technicians, chemists, physicists, technical supervisors, service company personnel, sales representatives, data processing personnel, and support staff working with reservoir engineers and wanting to understand the process of reservoir definition, development, and production, or engineers newly placed in a reservoir engineering position that want a first reservoir engineering course at the Basic level.

You Will Learn

- How to collect and analyze the data needed for reservoir engineering tasks
- The fundamentals of fluid flow in porous media
- How reservoirs are characterized by fluid type and drive mechanisms
- The basis for reservoir fluid distribution
- About oil and gas well performance and pressure buildup analysis
- About oil displacement and optimizing reservoir performance
- The basics of enhanced oil recovery

- How oil and gas in place can be estimated and recovery predicted

Course Content

- Reservoir fluid properties
- Coring practices and reservoir rock properties
- Fundamentals of fluid flow
- Reservoir fluid distribution
- Reservoir classification
- Reservoir drive mechanisms
- Oil and gas well performance, including inflow and outflow concepts
- Pressure buildup analysis
- Oil displacement concepts
- Estimation of oil-in-place and gas-in-place
- Recovery techniques

Product Details

Categories: Upstream

Disciplines: Reservoir Engineering

Levels: Basic

Product Type: Course

Formats Available: In-Classroom

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In-Classroom Format

19 Aug '24 23 Aug '24 - | Course | In-Classroom (in London)	$5,385.00
21 Oct '24 25 Oct '24 - | Course | In-Classroom (in Denver)	$4,600.00
2 Dec '24 6 Dec '24 - | Course | In-Classroom (in Houston)	$4,610.00