

Training Title

BASIC RESERVOIR ENGINEERING

Training Duration

5 days

Training Venue and Dates

Basic Reservoir Engineering	5	08 – 12 March, 2020	\$4,000	Dubai, UAE
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Trainings will be conducted in any of the 5 star hotels.

Training Fees

- *4,000 US\$ per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Buffet Lunch.*

Training Certificate

Prolific Consultants FZE Certificate of Course Completion will be issued to all attendees.

TRAINING OVERVIEW

COURSE DESCRIPTION

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. The Basic Reservoir Engineering course includes class exercises designed to be solved by hand with a calculator. For those who prefer to use spreadsheets to do the calculations, participants are welcome to bring their own laptop computers.

COURSE OBJECTIVE:

- *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*

SUITABLE FOR:

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.

TRAINING METHODOLOGY:

A highly interactive combination of lecture and discussion sessions will be managed to maximize the amount and quality of information, knowledge and experience transfer. The sessions will start by raising the most relevant questions, and motivate everybody finding the right answers. The attendants will also be encouraged to raise more of their own questions and to share developing the right answers using their own analysis and experience.

All presentations are made in excellent colorful power point. Very useful Course Materials will be given.

- *30% Lectures*
- *30% Workshops and work presentation*
- *20% Group Work& Practical Exercises*
- *20% Videos& General Discussions*

COURSE OUTLINE:

- *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*

Case Studies, Role Plays, Videos, Discussions, Last Day Review & Assessments will be carried out.

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