

**TRAINING TITLE**

**RESERVOIR FLUID SAMPLING & ANALYSIS TECHNIQUES**

**Training Duration**

**5 day**

**Training Venue and Dates**

<b>Ref. No.</b> DE190	<b>Reservoir Fluid Sampling &amp; Analysis Techniques</b>	<b>5</b>	<b>28 July-01 Aug. 2025</b>	<b>\$5,750</b>	<b>DUBAI, UAE</b>
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In any of the 4 or 5-star hotels. The exact venue will be informed later.

**Training Fees**

- \$5,750 per participant for Public Training includes Materials/Handouts, tea/coffee breaks, refreshments & Lunch

**Training Certificate**

**Define** Management Consultants Certificate of course completion will be issued to all attendees.

**TRAINING DESCRIPTION**

The "Reservoir Fluid Sampling & Analysis Techniques" course focuses on methods and best practices for obtaining and analyzing fluid samples from reservoirs. Participants will learn the key techniques for reservoir fluid sampling, including how to handle and analyze the samples to accurately characterize fluid properties, aiding in reservoir management and production optimization.

**TRAINING OBJECTIVES**

**By the end of the course, participants will be able to understand**

- Understand the importance of reservoir fluid sampling in reservoir management.
- Learn the correct techniques for collecting representative fluid samples.
- Gain knowledge in the analysis of reservoir fluids to optimize production and reservoir performance.

**WHO SHOULD ATTEND?**

- Reservoir Engineers
- Production Engineers
- Well Site Engineers
- Technicians involved in fluid sampling and analysis

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- Professionals working in reservoir management and optimization

### **TRAINING METHODOLOGY**

A highly interactive combination of lectures and discussion sessions will be managed to maximize the amount and quality of information and knowledge transfer. The sessions will start by raising the most relevant questions and motivating everybody to find the right answers. You will also be encouraged to raise your own questions and to share in the development of the right answers using your own analysis and experiences. Tests of multiple-choice type will be made available on daily basis to examine the effectiveness of delivering the course.

Very useful Course Materials will be given.

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

### **COURSE PROGRAM:**

#### **Day 1: Introduction to Reservoir Fluids**

- Types of reservoir fluids (oil, gas, water)
- Importance of fluid sampling in reservoir management
- Basic principles of reservoir fluid behavior

#### **Day 2: Fluid Sampling Methods**

- Overview of different fluid sampling techniques (surface and downhole)
- Tools and equipment used for reservoir fluid sampling
- Safety precautions and best practices

#### **Day 3: Sample Handling and Preservation**

- Proper handling of fluid samples
- Techniques to preserve sample integrity
- Common challenges in fluid sampling and how to avoid them

#### **Day 4: Laboratory Analysis of Reservoir Fluids**

- Key laboratory tests (e.g., PVT, viscosity, gas-oil ratio)

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- Interpreting the results of fluid analysis
- Using fluid properties for reservoir performance evaluation

### Day 5: Practical Applications and Case Studies

- Real-world examples of fluid sampling and analysis in reservoir management
- How to apply fluid analysis results to optimize production
- Developing a fluid sampling and analysis plan for field operations

**NOTE:**

**Pre-& Post Tests will be conducted.**

**Case Studies, Group Exercises, Group Discussions, Last Day reviews, and assessments will be carried out.**



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