



RESERVOIR SURVEILLANCE & TIGHT RESERVOIR MANAGEMENT

Course Objectives:

Edvantage Learning is coming up with comprehensive one-week course provides a deep dive into the principles and practices of reservoir surveillance, with a particular focus on tight unconventional reservoirs. Participants will learn how to develop effective surveillance plans, gather and analyze critical data, and apply advanced tools and techniques to optimize reservoir management and decision-making.

Learning Objectives:

- Understand the fundamentals of subsurface engineering and reservoir surveillance
- Develop effective reservoir surveillance plans aligned with asset management objectives
- Apply data gathering techniques and advanced tools to gather reliable, high-quality data
- Characterize tight unconventional reservoirs and build dynamic models for field development
- Conduct economic analysis and risk assessment for tight oil unconventional reservoirs

Prerequisites:

This course is designed for both freshers and professionals in the oil and gas industry. Participants should have a basic understanding of reservoir engineering and petroleum geology, but the course will provide a solid foundation for those new to the field.

Benefits of Learning

- » Gain a comprehensive understanding of reservoir surveillance principles and practices
- » Learn how to develop and implement effective reservoir surveillance plans
- » Acquire skills in data gathering, analysis, and interpretation using advanced tools and techniques
- » Understand the unique characteristics and challenges of tight unconventional reservoirs
- » Develop the ability to optimize field development and economic performance

Duration: 1 Week

Course Agenda:

Demo

Overview of the Course with prime focus of why this course is developed and what will the audience get out of it. The continuation of this course will also be deliberated.

Day 1

1. Introduction to Subsurface Engineering as an Oil & Gas discipline.
2. Monitoring in Industrial Systems
3. Military Surveillance
4. Reservoir Surveillance Plans
5. Objectives of the Surveillance

Day 2

1. Asset Management – Planning
2. Uncertainty Management
3. Value of Information – Decision Making
4. Data Gathering Objectives and Alternatives
5. Decision Tree Methodology

Day 3

1. Subsurface Management Principles
2. Data Measurement characteristics, types, quality
3. Measurement reliability and frequency
4. Advanced tools (Intelligent Systems)
5. Calibration Principles

Day 4

1. Geology of tight unconventional reservoirs
2. Formation evaluation of tight unconventional reservoirs
3. Reservoir characterization of tight unconventional reservoirs

Day 5

1. Dynamic modeling of tight unconventional reservoirs
2. Field development of tight unconventional reservoirs
3. Economics and risk analysis of tight oil unconventional reservoirs

Day 6: Case Studies

FAQs:

Who should attend this course?

Professionals in the oil and gas industry, including engineers and geologists, as well as freshers looking to enhance their knowledge.

What are the prerequisites?

A basic understanding of reservoir engineering is helpful but not required; the course is suitable for all levels.

Will there be hands-on exercises?

Yes, the course includes interactive sessions and case studies to apply learned concepts.

What is the course format?

The course features lectures, discussions, and interactive activities.

FAQs:

Will course materials be provided?

Participants will receive course materials and access to session recordings for later review.

What will be the course fees?

It will cost you around 100 USD or 7500 INR, First 10 participants will get discounted offers.

Is there a certificate upon completion?

Yes, participants will receive a certificate of attendance.

Why I will join?

1. Structured learning environment.
2. Expert guidance from experienced instructors.
3. Hands-on experience through case studies and interactive sessions.
4. Networking opportunities with industry professionals.
5. Access to study materials and session recordings.
6. Confidence building in reservoir management skills.

Contact Us

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