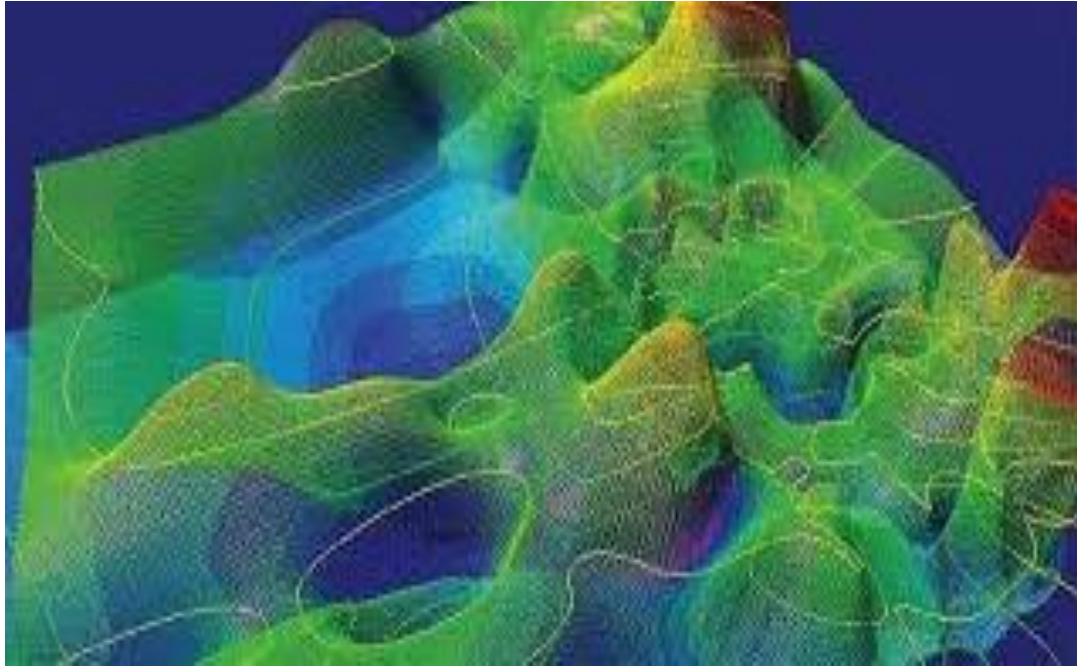




Fractured Environments in Hydrocarbon Exploration



INTERNATIONAL ASSOCIATION FOR
HEALTH AND OCCUPATIONAL
SAFETY AND THE ENVIRONMENT



Project
Management
Institute

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Course Introduction:

- Overview of fractured environments and their importance in hydrocarbon exploration.
- Objectives of the training program.
- Significance of understanding fractures in reservoir characterization and production.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the geological formation of fractures and their types.
- Learn techniques for identifying and characterizing fractured reservoirs.
- Explore methods for evaluating the impact of fractures on hydrocarbon flow.
- Gain skills in data interpretation and modeling of fractured systems.
- Discuss the applications and case studies in hydrocarbon exploration.

Who Should Attend?

- Geologists and geophysicists
- Reservoir engineers
- Petroleum engineers
- Industry professionals involved in exploration and production

Course Outline:

Day 1: Introduction to Fractured Reservoirs

- Definition and significance of fractured environments in hydrocarbon exploration.
- Overview of types of fractures (e.g., natural, induced, structural).
- Geological processes leading to fracturing and their implications for reservoirs.

Day 2: Identifying and Characterizing Fractured Reservoirs

- Techniques for identifying fractures in the field and through remote sensing.
- Methods for characterizing fracture networks (e.g., fracture mapping, core analysis).

Day 3: Evaluating Fracture Impact on Hydrocarbon Flow

- Understanding the role of fractures in fluid flow and reservoir performance.
- Techniques for modeling fluid movement in fractured systems.

- Case studies demonstrating the impact of fractures on production rates.

Day 4: Data Integration and Interpretation

- Integrating geological, geophysical, and reservoir data for comprehensive analysis.
- Group exercises in interpreting data from fractured environments.

Day 5: Applications and Future Trends

- Applications of fractured reservoir analysis in exploration and production strategies.
- Discussion of challenges in developing fractured reservoirs and mitigation strategies.
- Exploration of recent advancements and future trends in fractured reservoir studies.

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

Course Fees:

To be advice as per course location. This rate includes participant's manual, Hands-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session

