BLACKBIRD FOR TRAINING

Formation Interpretation & Well Correlation in Oil & Gas

25 – 29 July 2027
Amman (Jordan)

UK Traininig
PARTNER



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Introduction

The skills of **Formation Interpretation & Well Correlation in Oil & Gas** are fundamental pillars for developing technical and strategic competencies in the energy sector. These skills provide professionals with a deep understanding of reservoir geological formations and enable them to scientifically and accurately correlate field data. This course targets executives, team leaders, geologists, geophysicists, and specialists across sectors such as oil and gas, banking, telecommunications, and government. The course aims to deliver practical knowledge that helps participants make data-driven geological decisions, contributing to improved organizational performance and increased productivity.

Course Objectives

- Understand the geological fundamentals of formation interpretation.
- Master techniques for well correlation and field data analysis.
- Develop the ability to make precise technical decisions based on analyses.
- Analyze real-world cases and apply results in field projects.
- Improve communication skills between technical and managerial teams.
- Utilize modern software to support interpretation and correlation processes.

Course Outline

Day One: Geological Fundamentals and Formation Interpretation

- Comprehensive introduction to petroleum geology.
- Understanding physical properties of rocks and reservoirs.
- Learning concepts of porosity and permeability.
- Reviewing well log data.
- Studying basic techniques for formation analysis.
- Discussion session on common challenges in formation interpretation.



Day Two: Introduction to Well Correlation

- Fundamentals of well correlation and its importance in field evaluation.
- Understanding different types of wells and geological variations.
- Reviewing stratigraphic and structural maps.
- Applying software tools for creating correlation sections.
- Analyzing multi-dimensional data to enhance correlation accuracy.
- Practical session with exercises on field maps.

Day Three: Advanced Data Analysis and Information Integration

- Integrating well log data with seismic data.
- Evaluating quality and accuracy of field data.
- Using AI to improve formation interpretation.
- Studying practical cases from field development projects.
- Group workshop on real field data analysis.
- Discussing challenges in data integration.

Day Four: Modern Software and Practical Applications

- Introduction to advanced software tools for formation interpretation.
- Practical training on well correlation software.
- Preparing comprehensive reports of interpretation results.
- Developing integrated field models to support decisions.
- Reviewing successful case studies from the region.
- Discussion session on the future of technology in the field.

Day Five: Final Evaluation and Future Steps

- Presenting final individual and group projects.
- Evaluating practical and theoretical performance of participants.
- Summarizing skills acquired throughout the course.
- Discussing future development opportunities for participants.
- Providing individual professional recommendations.
- Distributing certified certificates and course closing.



Why Should You Attend This Course?

- Gain in-depth and updated knowledge in formation interpretation and well correlation.
- Develop data analysis and strategic decision-making skills.
- Improve technical and managerial communication within your organization.
- Enhance opportunities to obtain internationally recognized certifications.
- Support your organization's goals in boosting productivity and efficiency.
- Learn the latest global software and technological advancements.
- Apply the acquired knowledge directly in field projects.
- Tackle geological challenges using innovative, scientific methods.
- Some practical skills may require additional time to fully master.
- Certain software tools may need advanced technical infrastructure within the organization.

Conclusion

The **Formation Interpretation & Well Correlation in Oil & Gas** course is an exceptional opportunity to build your technical and strategic capabilities in one of the most dynamic fields in the energy sector. Through this course, you will learn to analyze geological data accurately and correlate wells efficiently, enabling you to make well-informed decisions that support your organization’s long-term objectives. This course caters to executives, engineers, and specialists aiming to enhance their expertise and expand their knowledge of the latest practices and technologies. By focusing on practical applications, real-world case studies, and modern software tools, the course provides real value that contributes to improved organizational performance and better technical decisions. If you’re looking to elevate your professional standing and support your organization’s innovation and excellence strategies, this course is a strategic step towards the future.

