MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

WELLSITE AND OPERATIONS GEOLOGY

"Optimizing Field Operations through Practical Geological Insights"

Schedule

Date	Venue	Fees (Online)
15 – 18 Jun 2026	Online	USD 1200 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Wellsite and operations geology is a critical discipline in the oil and gas industry, providing real-time geological support during drilling and production operations. This course equips participants with the skills to interpret geological data, evaluate formations, and make informed decisions at the wellsite to optimize drilling performance and reservoir management. Attendees will gain practical knowledge of geological principles, field operations, and techniques used to enhance operational efficiency.

Through interactive online sessions, case studies, and practical exercises, participants will learn to identify formations, analyze cuttings, correlate well logs, and provide actionable insights to drilling teams. The course emphasizes integrating geological expertise into operational decision-making to improve safety, efficiency, and resource recovery.

Objectives

By the end of this course, participants will be able to:

- Understand the role of wellsite geologists in field operations.
- Interpret geological and petrophysical data at the wellsite.
- Support drilling operations with accurate formation evaluation.
- Correlate well logs and core data for reservoir management.
- Provide actionable recommendations to optimize drilling and production.
- Enhance safety, efficiency, and decision-making through geological insights.

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Why Attend

Participants should attend this course to:

- Gain practical knowledge of wellsite and operations geology.
- Learn techniques for real-time formation evaluation and wellsite decision-making.
- Improve operational efficiency and safety at the wellsite.
- Enhance collaboration between geological and drilling teams.
- Apply geological insights to optimize drilling and reservoir performance.

Target Audience

This program is designed for:

- Wellsite geologists and field geologists
- Drilling engineers and operations personnel
- Reservoir and production engineers
- Technical staff involved in oil and gas field operations
- Professionals seeking practical geological knowledge for wellsite support

Individual Benefits

Key competencies that will be developed include:

- Real-time geological evaluation and interpretation at the wellsite
- Integration of geological data into drilling and operational decisions
- Correlation of well logs, cuttings, and core data
- Providing actionable recommendations for safe and efficient operations
- Understanding field geology workflows and best practices

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced drilling efficiency and wellsite decision-making
- Improved reservoir management and production outcomes
- Stronger collaboration between geological and operational teams
- Reduced operational risks and improved safety at the wellsite
- Effective use of geological data to optimize resource recovery

Instructional Methodology

The course follows a blended online learning approach combining theory with practical application:

- Strategy Briefings – Overview of wellsite geology principles, workflows, and responsibilities
- Case Studies – Examples of geological support during drilling and production operations
- Workshops – Exercises on wellsite data interpretation, formation evaluation, and log correlation
- Peer Exchange – Group discussions on challenges, lessons learned, and best practices
- Tools – Templates and guidelines for field data collection, analysis, and reporting

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Course Outline

Detailed 4-Day Course Outline

Training Hours: 9:00 AM – 5:00 PM Daily Format: 3–4 Learning Modules | Online Breaks: 11:00 & 03:00

Day 1: Introduction to Wellsite Geology

Module 1: Role of Wellsite Geologist (09:00 – 11:00)

- Responsibilities at the wellsite
- Interaction with drilling and production teams
- Overview of geological tools and equipment

Module 2: Formation Evaluation Basics (11:15 – 01:00)

- Cuttings, cores, and well logging techniques
- Identifying lithology and reservoir characteristics
- Sample collection and documentation

Day 2: Data Interpretation and Log Correlation

Module 3: Well Log Analysis (01:45 – 03:00)

- Types of well logs and interpretation techniques
- Correlation with geological formations
- Identifying pay zones and reservoir features

Module 4: Field Case Studies (03:15 – 05:00)

- Examples of operational challenges
- Applying geological insights to real-time decisions
- Lessons learned and best practices

Day 3: Advanced Wellsite Techniques

Module 5: Core Analysis and Petrophysics (09:00 – 11:00)

- Core evaluation methods and applications
- Petrophysical data interpretation
- Integration of core and log data

Module 6: Operational Support and Reporting (11:15 – 01:00)

- Communicating geological recommendations
- Supporting drilling decisions
- Documentation and reporting best practices

Day 4: Optimization and Continuous Improvement

Module 7: Safety and Efficiency in Wellsite Operations (01:45 – 03:00)

- Hazard identification and risk mitigation
- Operational efficiency strategies
- Team collaboration and leadership

Module 8: Action Planning and Wrap-Up (03:15 – 05:00)

- Developing actionable geological insights
- Continuous improvement of wellsite practices
- Summary and final recommendations

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Certification

Participants will receive a Certificate of Completion in Wellsite and Operations Geology, validating their expertise in wellsite evaluation, formation analysis, operational support, and practical geological applications in oil and gas field operations.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation's unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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