

COURSE OVERVIEW DE1027
Earth Resistivity Tests

Course Title

Earth Resistivity Tests

Course Date/Venue

Session 1: July 13-17, 2025/Boardroom 1, Elite
 Byblos Hotel Al Barsha, Sheikh Zayed
 Road, Dubai, UAE

Session 2: December 15-19, 2025/Fujairah Meeting
 Room, Grand Millennium Al Wahda Hotel,
 Abu Dhabi, UAE



Course Reference

DE1027



Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Description



This practical and highly-interactive course includes real-life case studies and exercises where participants will be engaged in a series of interactive small groups and class workshops.



Challenges in identifying and evaluating low-resistivity and low-resistivity-contrast pay with conventional log analysis have been acknowledge over the last four decades in the oil industry. Historically, there are many field cases where the low-resistivity pays was overlooked and subsequently discovered to be potential pays. The legacy saturation cut-offs often lead low resistivity and low resistivity-contrast pays to go undetected. We do not know exactly how many low-resistivity and low-resistivity-contrast pays were abandoned over the years, because of failures to recognize their potential as commercial pays.



The concept of causes for low-resistivity and low-resistivity-contrast pay have been enriched over the years. The advancements in logging tools and technology, along with the innovations that have been taken place in science and technology, and formation evaluation algorithms to deal with the complexity, have evolved over the last three decades. Consequently, more and more low-resistivity pay case studies are coming into the limelight world-wide.

The course is designed to bring the global talent to the table to exchange expertise gained over the years from fields located in different regions and divergent geological setups, on manifestation and causes of low-resistivity and low-resistivity contrast pay locally and also experience in dealing with the complexity of the formation evaluation through new tool technology and algorithms. The course will also help participants improve their skills to recognize low-resistivity and low-resistivity-contrast pay in the early life of a field and evaluate its commercial potential.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain an in-depth knowledge on low resistivity pay evaluation
- Classify the causes and manifestations of low resistivity pay and low resistivity contrast pay
- Apply the tools and latest technologies to detect low resistivity pay
- Evaluate technical approaches and workflow of low resistivity pay
- Analyze the core role and approach in identifying and solving low resistivity pay

Exclusive Smart Training Kit - H-STK®



*Participants of this course will receive the exclusive “Howard Smart Training Kit” (H-STK®). The H-STK® consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course is intended for petrophysicists and geologists as well as academic institutions, dealing with formation evaluation of clastics, in general, and shaly and silty sandstone reservoirs in particular, associated with low-resistivity and low-resistivity-contrast pay formations.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

- 30% Lectures
- 20% Practical Workshops & Work Presentations
- 30% Hands-on Practical Exercises & Case Studies
- 20% Simulators (Hardware & Software) & Videos


In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the module who completed a minimum of 80% of the total tuition hours.


Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

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British Accreditation Council (BAC)

Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

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The International Accreditors for Continuing Education and Training (IACET - USA)

Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units (CEUs)** in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Fee

US\$ 8,000 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.



Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:



Mr. Samer Shukri, BSc, IWCF, is a **Senior Drilling & Petroleum Engineer** with over **25 years** of **offshore** and **onshore** experience in the **Oil & Gas, Refinery & Petrochemical** industries. His wide expertise includes **Workovers & Completions, Well Completion Design & Operations, Well Intervention, Well Life Cycle, Well Stimulation & Workover Planning, Workover Practices, Workover Operations, Well Integrity System, Well Control, Oil & Water Wells, Workover/Remedial Operations & Heavy Oil Technology, Plug & Abandonment of Oil & Gas Wells, Petroleum Engineering, Open Hole &**

Cased Hole Logs, Petroleum Risk & Decision Analysis, Well Testing Analysis, Stimulation Operations, Coiled Tubing Operations, Coiled Tubing Equipment, Rigless Operations, Reserves Evaluation, Reservoir Fluid Properties, Reservoir Engineering & Simulation Studies, Reservoir Monitoring, Geology & Reservoir Engineering, Artificial Lift Design, Gas Operations, Applied Water Technology, Oil & Gas Production, X-mas Tree & Wellhead Operations & Testing, Wellbore Design & Construction, Drilling Fluids & Solids Control, Drilling Fluids & Cementing Operations, Drilling Practices & Techniques, Well Control & Blow Out Prevention, Stuck Piping & Fishing Operations, Rig Equipment Maintenance & Inspection, Rigging & Lifting Operations, WellCAP Driller, WellCAP Supervisor, Artificial Lift Systems (Gas Lift, ESP and Rod Pumping), Well Cementing, Oil Field Cementing, Production Optimization, PLT Correlation, Slickline Operations, Well Testing, Production Logging, Wireline Logging, Wireline Technology, Wireline Fishing Operations, Project Evaluation & Economic Analysis. Further, he is also well-versed in Marine Environment Protection, Maritime Professional Training, Operational Audit, Improvement, Planning & Management, Climate Change & Emissions Trading Services, International Trade & Shipping, **Fitness for Service-API 579, Refining Process & Petroleum Products, OSHA** (General Industry & Construction), **IOSH** (Managing Safety, Working Safely), **HSE Standards & Procedures** in the Oilfield, **HSE Principles, Incident Prevention & Incidents, Working at Height, First Aid, H2S Awareness, Defensive Driving, Risk Assessment, Authorized Gas Tester (AGT), Confined Space Entry (CSE), Root Cause Analysis (RCA), Negotiation & Persuasion Skills, ISO-9001 Quality Management System (QMS), ISO-14001 Environmental Management System (EMS), ISO-45001 Occupational Health and Safety Management System (OHSMS), ISO-17020 Conformity Assessment, ISO/TS-29001 Quality Management System, IOS-50001-Energy Management System (EnMS) and Basic Offshore Safety Induction & Emergency.** Currently, he is actively involved in **Project Management** with special emphasis in **commissioning of new wells, completion design, well integrity management, production technology** and field optimization, performing conceptual studies, economic analysis with risk assessment and field development planning.

During his career life, Mr. Samer has gained his field experience through his various significant positions and dedication as the **Senior Production Engineer, Well Services Department Head, Senior Well Services Supervisor, Senior Well Integrity Engineer, Senior HSE Engineer, Well Services Supervisor, Drilling/Workover Supervisor, International oil & Gas Trainer, Leadership & Management Instructor** and **Senior Instructor/Trainer** from the various international companies such as the **ADCO, Al Furat Petroleum Company (AFPC), Syrian Petroleum Company (SPC), Petrotech, Global Horizon-UK, HDTC, Petroleum Engineers Association, STC, Basra University and Velesto Drilling Academy, just to name a few.**

Mr. Samer has **Bachelor's degree in Petroleum Engineering.** Further, he is an **Accredited IWCF Drilling & Well Intervention Instructor, a Certified Instructor/Trainer, a Certified Train-the-Trainer** and further delivered innumerable training courses, seminars, conferences and workshops worldwide.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 - 0800	<i>Registration & Coffee</i>
0800 - 0815	<i>Welcome & Introduction</i>
0815 - 0830	PRE-TEST
0830 - 0930	<i>Causes/Manifestations of Low Resistivity Pay</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Causes/Manifestations of Low Resistivity Pay (cont'd)</i>
1100 - 1230	<i>Causes/Manifestations of Low Resistivity Pay (cont'd)</i>
1230 - 1245	<i>Break</i>
1245 - 1420	<i>Causes/Manifestations of Low Resistivity Pay (cont'd)</i>
1420 - 1430	Recap
1430	<i>Lunch & End of Day One</i>

Day 2

0730 - 0930	<i>Causes/Manifestations of Low Resistivity Contrast Pay</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Causes/Manifestations of Low Resistivity Contrast Pay (cont'd)</i>
1100 - 1230	<i>Causes/Manifestations of Low Resistivity Contrast Pay (cont'd)</i>
1230 - 1245	<i>Break</i>
1245 - 1420	<i>Causes/Manifestations of Low Resistivity Contrast Pay (cont'd)</i>
1420 - 1430	Recap
1430	<i>Lunch & End of Day Two</i>

Day 3

0730 - 0930	<i>Tools/Latest Technologies to Detect Low Resistivity Pay</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Tools/Latest Technologies to Detect Low Resistivity Pay (cont'd)</i>
1100 - 1230	<i>Tools/Latest Technologies to Detect Low Resistivity Pay (cont'd)</i>
1230 - 1245	<i>Break</i>
1245 - 1420	<i>Tools/Latest Technologies to Detect Low Resistivity Pay (cont'd)</i>
1420 - 1430	Recap
1430	<i>Lunch & End of Day Three</i>

Day 4

0730 - 0930	<i>Evaluation/Technical Approached in Identifying, Solving Low Resistivity Pay</i>
0930 - 0945	<i>Break</i>
0945 - 1100	<i>Evaluation/Technical Approached in Identifying, Solving Low Resistivity Pay (cont'd)</i>
1100 - 1230	<i>Evaluation/Technical Approached in Identifying, Solving Low Resistivity Pay (cont'd)</i>
1230 - 1245	<i>Break</i>
1245 - 1420	<i>Evaluation/Technical Approached in Identifying, Solving Low Resistivity Pay (cont'd)</i>
1420 - 1430	Recap
1430	<i>Lunch & End of Day Four</i>

Day 5

0730 – 0930	<i>Core Analysis Role/Approaches in Identifying, Solving Low Resistivity Pay</i>
0930 – 0945	<i>Break</i>
0945 – 1100	<i>Core Analysis Role/Approaches in Identifying, Solving Low Resistivity Pay (cont'd)</i>
1100 – 1230	<i>Core Analysis Role/Approaches in Identifying, Solving Low Resistivity Pay (cont'd)</i>
1230 – 1245	<i>Break</i>
1245 – 1345	<i>Core Analysis Role/Approaches in Identifying, Solving Low Resistivity Pay (cont'd)</i>
1345 – 1400	<i>Course Conclusion</i>
1400 – 1415	POST-TEST
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch & End of Course</i>

Practical Sessions

This practical and highly-interactive course includes real-life case studies and exercises:-



Course Coordinator

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