



## COURSE OVERVIEW DE1042 Wellsite Management and Supervision

### Course Title

Wellsite Management and Supervision

### Course Date/Venue

Session 1: April 28-May 02, 2025/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Session 2: October 26-30, 2025/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE



### Course Reference

DE1042



### 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.***



This course is designed to provide participants with a detailed and up-to-date overview of wellsite logging operations, tool selection and log data QC. It covers the electrical survey, spontaneous potential, induction logs, laterologs, micro resistivity logs, sonic logs and density logs; the neutron and gamma ray logs; the share volume, pore volume and porosity from the neutron log; and the porosity from ES, micrologs and maximum porosity method.



During this interactive course, participants will learn the water resistivity from catalog or DST recovery, water zone, spontaneous potential and water saturation from Archie method; the water saturation from simandoux method, dual water method, buckles number, ratio method and irreducible water saturation; the permeability and productivity, permeability from Wyllie-Rose method and permeability from porosity; and the calibration to modern logs, core data and Russian style logs.

### Course Objectives

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

- Apply and gain an in-depth knowledge on wellsite logging operations, tool selection and log data QC
- Discuss electrical survey, spontaneous potential, induction logs, laterologs, micro resistivity logs, sonic logs and density logs
- Explain neutron and gamma ray logs, share volume, pore volume and porosity from the neutron log
- Describe porosity from ES, micrologs, maximum porosity method and water resistivity from catalog or DST recovery, water zone, spontaneous potential and Archie method
- Discuss water saturation from simandoux method, dual water method, buckles number, ratio method and irreducible water saturation
- Explain permeability and productivity, permeability from Wyllie-Rose method and permeability from porosity
- Calibrate modern logs, core data and analyze Russian style logs

### Exclusive Smart Training Kit - H-STK®



Participants of this course will receive the exclusive “Haward 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 provides an overview of all significant aspects and considerations of wellsite logging operations, tool selection and log data QC for petrophysicists, geologists, geophysicists, petroleum engineers and technicians/managers.

### 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 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 Certificate(s)**

Internationally recognized certificates will be issued to all participants of the course 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 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. Konstantin Zorbalas, MSc, BSc, is a Senior Petroleum Engineer & Well Completions Specialist with over 25 years of offshore and onshore experience in the Oil & Gas, Refinery & Petrochemical industries. His wide expertise includes Workovers & Completions, Petroleum Risk & Decision Analysis, Acidizing Application in Sandstone & Carbonate, Well Testing Analysis, Stimulation Operations, Reserves Evaluation, Reservoir Fluid Properties, Reservoir Engineering & Simulation Studies, Reservoir Monitoring, Artificial Lift Design, Gas Operations, Workover/Remedial Operations & Heavy Oil Technology, Applied Water Technology, Oil & Gas Production, X-mas Tree & Wellhead Operations & Testing, Artificial Lift Systems (Gas Lift, ESP, and Rod Pumping), Well Cementing, Production Optimization, Well Completion Design, Sand Control, PLT Correlation, Slickline Operations, Acid Stimulation, Well testing, Production Logging, Project Evaluation & Economic Analysis.** Further, he is actively involved in **Project Management** with special emphasis in production technology and field optimization, performing conceptual studies, economic analysis with risk assessment and field development planning. He is currently the **Senior Petroleum Engineer & Consultant of National Oil Company** wherein he is involved in the mega-mature fields in the Arabian Gulf, predominantly carbonate reservoirs; designing the acid stimulation treatments with post-drilling rigless operations; utilizing CT with tractors and DTS systems; and he is responsible for gas production and preparing for reservoir engineering and simulation studies, well testing activities, field and reservoir monitoring, production logging and optimization and well completion design.

During his career life, Mr. Zorbalas worked as a **Senior Production Engineer, Well Completion Specialist, Production Manager, Project Manager, Technical Manager, Technical Supervisor & Contracts Manager, Production Engineer, Production Supervisor, Production Technologist, Technical Specialist, Business Development Analyst, Field Production Engineer and Field Engineer.** He worked for many **world-class oil/gas companies** such as **ZADCO, ADMA-OPCO, Oilfield International Ltd, Burlington Resources** (later acquired by **Conoco Phillips**), **MOBIL E&P, Saudi Aramco, Pluspetrol E&P SA, Wintershall, Taylor Energy, Schlumberger, Rowan Drilling and Yukos EP** where he was in-charge of the **design and technical analysis** of a gas plant with capacity **1.8 billion m3/yr gas.** His achievements include **boosting oil production 17.2% per year** since 1999 using **ESP and Gas Lift systems.**

Mr. Zorbalas has **Master's and Bachelor's degrees in Petroleum Engineering** from the **Mississippi State University, USA.** Further, he is an **SPE Certified Petroleum Engineer, Certified Instructor/Trainer, a Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership & Management (ILM),** an active member of the **Society of Petroleum Engineers (SPE)** and has numerous scientific and technical publications and delivered innumerable training courses, seminars 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 &amp; Coffee</i>
0800 – 0815	<i>Welcome &amp; Introduction</i>
0815 – 0830	<b>PRE-TEST</b>
0830 – 0930	<b>Electrical Survey</b>
0930 – 0945	<i>Break</i>
0945 – 1030	<b>Spontaneous Potential</b>
1030 – 1130	<b>Introduction Logs &amp; Laterologs</b>
1130 – 1215	<b>Micro Resistivity Logs</b>
1215 – 1230	<i>Break</i>
1230 – 1420	<b>Sonic Logs &amp; Density Logs</b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day One</i>

**Day 2**

0730 – 0930	<b>Neutron Logs &amp; Gamma Ray Logs</b>
0930 – 0945	<i>Break</i>
0945 – 1100	<b>Modern Resistivity Inversion Software</b>
1100 – 1215	<b>Share Volume &amp; Pore Volume</b>
1215 – 1230	<i>Break</i>
1230 – 1420	<b>Porosity from the Neutron Log</b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Two</i>

**Day 3**

0730 – 0930	<b>Porosity from ES &amp; Micrologs</b>
0930 – 0945	<i>Break</i>
0945 – 1030	<b>Maximum Porosity Method</b>
1030 – 1130	<b>Water Resistivity from Catalog or DST Recovery</b>
1130 – 1215	<b>Water Resistivity from Water Zone (R0 Method)</b>
1215 – 1230	<i>Break</i>
1230 – 1330	<b>Water Resistivity from Spontaneous Potential</b>
1330 – 1420	<b>Water Saturation from Archie Method</b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Three</i>

**Day 4**

0730 – 0845	<b>Water Saturation from Simandoux Method</b>
0930 – 0945	<i>Break</i>
0945 – 1030	<b>Water Saturation from Dual Water Method</b>
1030 – 1130	<b>Water Saturation from Buckles Number</b>
1130 – 1215	<b>Water Saturation &amp; Porosity from Ratio Method</b>
1215 – 1230	<i>Break</i>
1230 – 1420	<b>Irreducible Water Saturation</b>
1420 – 1430	<b>Recap</b>
1430	<i>Lunch &amp; End of Day Four</i>



**Day 5**

0730 – 0830	<i>Permeability &amp; Productivity</i>
0830 – 0930	<i>Permeability from Wyllie-Rose Method</i>
0930 – 0945	<i>Break</i>
0945 – 1030	<i>Permeability from Porosity</i>
1030 – 1130	<i>Calibrating to Modern Logs and Core Data</i>
1130 – 1215	<i>Case Histories</i>
1215 – 1230	<i>Break</i>
1230 – 1345	<i>Analyzing Russian Style Logs</i>
1345 – 1400	<i>Course Conclusion</i>
1400 – 1415	<b>POST-TEST</b>
1415 – 1430	<i>Presentation of Course Certificates</i>
1430	<i>Lunch &amp; End of Course</i>

**Practical Sessions**

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



**Course Coordinator**

Mari Nakintu, Tel: +971 2 30 91 714, Email: [mari1@haward.org](mailto:mari1@haward.org)