

**COURSE OVERVIEW DE0500**  
**Screening of Oil Reservoirs for Enhanced Oil Recovery**

**Course Title**

Screening of Oil Reservoirs for Enhanced Oil Recovery

**Course Date/Venue**

June 15-19, 2025/Al Buraimi Meeting Room, Sheraton Oman Hotel, Muscat, Oman

**Course Reference**

DE0500

**Course Duration**

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 an up-to-date overview of oil reservoirs for enhanced oil recovery screening. It covers the reasons and various processes of enhanced oil recovery; the displacement fundamentals; the phase behavior and the miscible recovery process; the polymer flooding as well as chemical/micellar/surfactant flooding; the thermal processes; and the interpretation of carbon dioxide flooding.



Upon the completion of this course, participants will have an understanding of the various processes used for improved oil recovery. You will learn why oil is left in the reservoir after various recovery processes no longer produce economic quantities and what additional processes are available to recover this oil. You will learn how to do a preliminary evaluation to determine which processes might be suitable for a specific reservoir.

## Course Objectives

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

- Apply and gain an in-depth knowledge on screening of oil reservoirs for enhanced oil recovery processes
- Discuss enhanced oil recovery including definitions, reasons and various processes
- Define and explain the displacement fundamentals
- Interpret the phase behavior and illustrate the miscible recovery process
- Explain and discuss polymer flooding as well as chemical/micellar/surfactant flooding
- Illustrate and analyze thermal processes
- Explain and interpret carbon dioxide flooding

## 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 screening of oil reservoirs for enhanced oil recovery for engineers who will be evaluating reservoirs that are nearing primary depletion and for managers and supervisors who will make the final decisions on the recommendations of enhanced oil recovery projects to upper-level management.

## 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: -

- 
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.

### 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 Safely, 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, HDTCC, 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.

**Accommodation**

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

**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: Sunday, 15<sup>th</sup> of June 2025**

|             |   |
|-------------|---|
| 0730 – 0800 | Registration & Coffee   |
| 0800 – 0815 | Welcome & Introduction  |
| 0815 – 0830 | <b>PRE-TEST</b>   |
| 0830 – 0930 | <b>Introduction to EOR</b><br>Definitions • Reasons for EOR • Various Processes |
| 0930 – 0945 | Break   |
| 0945 – 1100 | <b>Displacement Fundamentals</b>  |
| 1100 – 1230 | <b>Displacement Fundamentals (cont'd)</b>                                       |
| 1230 – 1245 | Break   |
| 1245 – 1420 | <b>Displacement Fundamentals (cont'd)</b>                                       |
| 1420 – 1430 | <b>Recap</b>  |
| 1430        | Lunch & End of Day One  |

**Day 2: Monday, 16<sup>th</sup> of June 2025**

|             |                                    |
|-------------|------------------------------------|
| 0730 – 0900 | <b>Phase Behavior</b>              |
| 0900 – 0915 | Break                              |
| 0915 – 1100 | <b>Phase Behavior (cont'd)</b>     |
| 1100 – 1230 | <b>Phase Behavior (cont'd)</b>     |
| 1230 – 1245 | Break                              |
| 1245 – 1420 | <b>Miscible Recovery Processes</b> |
| 1420 – 1430 | <b>Recap</b>                       |
| 1430        | Lunch & End of Day Two             |

**Day 3: Tuesday, 17<sup>th</sup> of June 2025**

|             |   |
|-------------|---|
| 0730 – 0900 | <b>Miscible Recovery Processes (cont'd)</b> |
| 0900 – 0915 | Break                                       |
| 0915 – 1100 | <b>Miscible Recovery Processes (cont'd)</b> |
| 1100 – 1230 | <b>Polymer Flooding</b>                     |
| 1230 – 1245 | Break                                       |
| 1245 – 1420 | <b>Polymer Flooding (cont'd)</b>            |
| 1420 – 1430 | <b>Recap</b>                                |
| 1430        | Lunch & End of Day Three                    |

**Day 4: Wednesday, 18<sup>th</sup> of June 2025**

|             |   |
|-------------|---|
| 0730 – 0900 | <b>Polymer Flooding (cont'd)</b>                      |
| 0900 – 0915 | Break   |
| 0915 – 1100 | <b>Chemical/Micellar/Surfactant Flooding</b>          |
| 1100 – 1230 | <b>Chemical/Micellar/Surfactant Flooding (cont'd)</b> |
| 1230 – 1245 | Break   |
| 1245 – 1420 | <b>Chemical/Micellar/Surfactant Flooding (cont'd)</b> |
| 1420 – 1430 | <b>Recap</b>  |
| 1430        | Lunch & End of Day Four                               |

**Day 5: Thursday, 19<sup>th</sup> of June 2025**

|             |  |
|-------------|--|
| 0730 – 0930 | <i>Thermal Processes</i>                   |
| 0930 – 0945 | <i>Break</i>                               |
| 0945 – 1100 | <i>Thermal Processes (cont'd)</i>          |
| 1100 – 1200 | <i>Carbon Dioxide Flooding</i>             |
| 1200 – 1215 | <i>Break</i>                               |
| 1215 – 1345 | <i>Carbon Dioxide Flooding (cont'd)</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**

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