COURSE OVERVIEW DE0419
Completion Equipment

Course Title
Completion Equipment

Course Date/Venue
Session 1: June 22-26, 2025/Meeting Plus 8, City Centre Rotana Doha Hotel, Doha, Qatar
Session 2: November 02-06, 2025/Meeting Plus 8, City Centre Rotana Doha Hotel, Doha, Qatar

Course Reference
DE0419

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 wellhead and completion equipment. It covers the components and types of wellheads, CHH/THS/Tubing hangers and suspension systems; the wellhead connections, wellhead selection criteria, BPV, TWCV, valve removal plugs, running tools, testing tools, lubricator and etc.; the components of Xmas trees and valves; the various types of Xmas trees, oil wells, gas wells and dual completions; and the completion string components, packer systems, sliding sleeves, side pocket mandrels, landing nipples and SSSV and other critical components.

During this interactive course, participants will learn the fundamentals of artificial lift types, ESP pumps, surface components, gas lift completions, design principles, rod pumps, PCP pumps and jet pumps; the intelligent completion string components, ICD's, ICV's and premium port sleeves; the multi-lateral completions, completions for sand control operations and completions for multi-stage fracturing operations; the multi-lateral completions, MLT well classifications and MRC well completions; the completions for sand control operations and completions with gravel pack for open-hole and cased-hole; the liners, stand-alone screens and expandable systems; the completions for multi-stage fracturing operations; and the types of open hole packer systems, sleeves and ball activated ports.

Course Objectives

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

- Apply and gain a good working knowledge on wellhead and completion equipment
- Identify the components and types of wellheads including CHH/THS/Tubing hangers and suspension systems
- Recognize wellhead connections, wellhead selection criteria, BPV, TWCV, valve removal plugs, running tools, testing tools, lubricator and etc.
- Describe the components of Xmas trees and valves as well as the various types of Xmas trees that include oil wells, gas wells and dual completions
- Identify completion string components comprising of packer systems, sliding sleeves, side pocket mandrels, landing nipples and SSSV including other critical components
- Discuss the fundamentals of artificial lift types covering ESP pumps, surface components, gas lift completions, design principles, rod pumps, PCP pumps and jet pumps
- Describe the intelligent completion string components that include ICD's, ICV's and premium port sleeves
- Differentiate multi-lateral completions, completions for sand control operations and completions for multi-stage fracturing operations
- Employ multi-lateral completions including MLT well classifications and MRC well completions
- Demonstrate completions for multi-stage fracturing operations and describe the types of open hole packer systems, sleeves and ball activated ports
- Carryout completions for sand control operations and completions with gravel pack for open-hole and cased-hole as well as identify liners, stand-alone screens and expandable systems

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 wellhead and completion equipment for drilling engineers, technologists, service personnel, and others involved directly or indirectly with the planning passing with wellhead and programming of completion in addition to related workover issues.

Course Fee

US$ 8,500 per Delegate. 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: -

- 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.

- 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.

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. 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 Cyle**, **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 (**EnM**S) 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.

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 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	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0900	***Introduction to Wellheads***
0900 - 0930	***Components of Wellheads***
0930 – 0945	*Break*
0945 – 1015	***Types of Wellheads (Spools, Compact, etc.)***
1015 – 1045	***CHH/THS/Tubing Hangers***
1045 - 1115	***Wellheads Suspension Systems***
1115 – 1145	***Wellhead Connections (Seals, Clamps, Flanges, etc.)***
1145 – 1215	***Wellhead Selection Criteria***
1215 – 1230	*Break*
1230 – 1420	***BPV, TWCV, Valve Removal Plugs, etc.***
1420 – 1430	***Recap***
1430	*End of Day One*

Day 2

0730 – 0800	***Running Tools, Testing Tools, Lubricator, etc.***
0800 – 0830	***Xmas Trees***
0830 – 0930	***Various Types of Xmas Trees Explained – Oil Wells, Gas Wells, Dual Completions***
0930 – 0945	*Break*
0945 – 1030	***Components of Xmas Trees & Valves***
1030 – 1100	***Completion String Components***
1100 – 1200	***Packer Systems***
1200 – 1230	***Sliding Sleeves***
1230 – 1245	*Break*
1245 - 1420	***Side Pocket Mandrels***
1420 – 1430	***Recap***
1430	*End of Day Two*

Day 3

0730 – 0800	***Landing Nipples (All Types)***
0800 – 0900	***SSSV***
0900 – 0930	***Other Critical Components***
0930 – 0945	*Break*
0945 – 1030	***Fundamentals of Artificial Lift Types***
1030 – 1130	***ESP Pumps & Surface Components, Gas Lift Completion & Design Principles***
1130 – 1230	***Rod Pumps, PCP Pumps & Jet Pumps***
1230 – 1245	*Break*
1245 – 1330	***Intelligent Completion String Components***
1330 - 1420	***ICD's***
1420 – 1430	***Recap***
1430	*End of Day Three*

Day 4

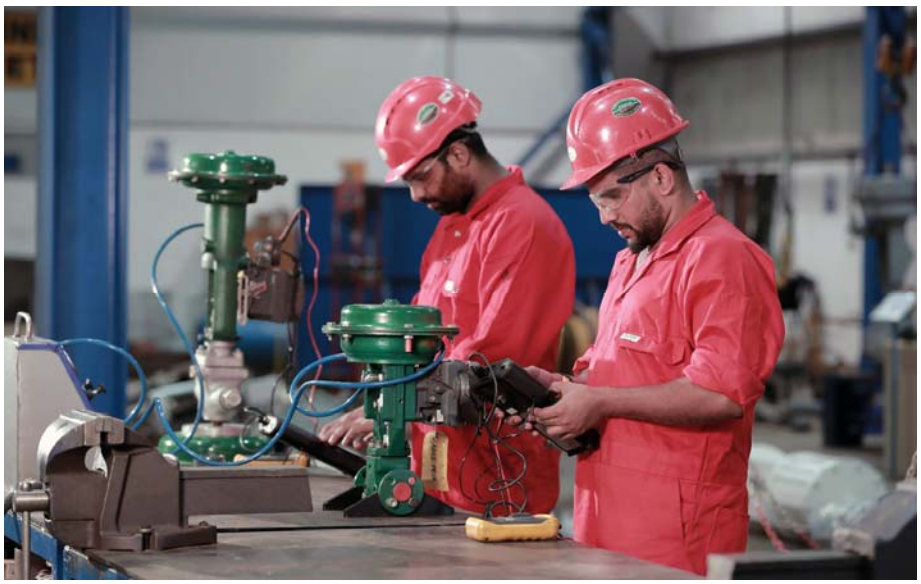
0730 – 0800	***ICV's***
0800 - 0830	***Premium Port Sleeves***
0830 - 0930	***Manara Project Example & Case Study***
0930 – 0945	*Break*
0945 – 1130	***Multi-lateral Completions***
1130 – 1200	***MLT Well Classifications***
1200 - 1230	***MRC Well Completions***
1230 – 1245	*Break*
1245 – 1330	***Completions for Multi-stage Fracturing Operations***
1330 - 1420	***Types of Open Hole Packer Systems***
1420 – 1430	***Recap***
1430	*End of Day Four*

Day 5:

0730 – 0830	***Sleeves***
0830 – 0930	***Ball Activated Ports***
0930 – 0945	*Break*
0945 – 1030	***Completions for Sand Control Operations***
1030 – 1100	***Liners***
1100 - 1200	***Stand-alone Screens***
1200 – 1230	***Expandable Systems***
1230 – 1245	*Break*
1245 - 1345	***Completions with Gravel Pack for Open-hole & Cased-hole***
1345 – 1400	***Course Conclusion***
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*End of Course*

Practical Sessions

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



Course Coordinator

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