

COURSE OVERVIEW DE0295 Coiled Tubing Well Intervention (Basic)

Course Title

Coiled Tubing Well Intervention (Basic)

Course Date/Venue

March 29-April 02, 2026/Meeting Plus 9, City Centre Rotana, Doha Qatar

Course Reference

DE0295

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.



Coiled Tubing is the process of running a reel continuous tubing into a well that is still under pressure. Coiled Tubing equipment is portable and modular although modern reels are reaching high transport weights and offers quick rig-up times. The maximum working depth of Coiled Tubing is usually determined by the amount of tubing that can be spooled onto a reel rather than the TVD. Highly deviated wells can cause problems with Coiled Tubing as, like wireline, gravity is required to keep the tubing moving down the well-bore. This can now be overcome to a certain extent with the use of downhole “tractors” which pull the coiled tubing from the bottom. Coiled Tubing can be used for a very wide range of jobs such as, Nitrogen lifting wells, clean-up operations, spotting acid at the perforations, fishing operations, spotting cement and PLT.



This course is designed to provide participants with a detailed and up-to-date overview of Coiled Tubing Operations. It covers the coiled tubing reel and well control equipment; the power packs and hydraulic systems; the transport and rig-up procedures for coiled tubing units including applications and clean-up operations and procedures; the processes and safety considerations of nitrogen lifting wells; and the methods of spotting acid at perforations.

During this interactive course, participants will learn the fishing operations, coiled tubing job design, acidizing and stimulation techniques; the coiled tubing interventions planning and the role of downhole “tractors”; the cementing and zonal isolation techniques; the PLT (production logging tool) and properties and handling of downhole fluids; the most commonly used downhole tools for specific operations; the overall operational performance; the real-time monitoring and data interpretation; the common issues of performance troubleshooting; working safely with liquid nitrogen; the general safety protocols in coiled tubing operations; the prevention and management of kick situations; and the selection and usage of appropriate personal protective equipment (PPE).

Course Objectives

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

- Apply and gain an in-depth knowledge on coiled tubing operations
- Identify coiled tubing equipment, well control equipment, coiled tubing application, job design acidizing and stimulation techniques
- Manage and execute coiled tubing interventions
- Increase overall operational performance during coiled tubing interventions
- Select the most commonly used downhole tools and explain their function
- Work safely with liquid nitrogen
- Identify the components and specifications of the coiled tubing reel and the components and usage of well control equipment
- Recognize power packs and hydraulic systems and carryout transport and rig-up procedures for coiled tubing units
- Employ coiled tubing applications and clean-up operations and procedures
- Apply processes and safety considerations of nitrogen lifting wells and the methods of spotting acid at perforations
- Illustrate fishing operations, coiled tubing job design and acidizing and stimulation techniques
- Plan coiled tubing interventions, identify the role of downhole “tractors” in coiled tubing operations and apply cementing and zonal isolation techniques using coiled tubing
- Recognize PLT (production logging tool) and properties and handling of downhole fluids
- Identify the most commonly used downhole tools and apply tool selection criteria for specific operations
- Determine overall operational performance during coiled tubing interventions and carryout real-time monitoring and data interpretation
- Identify and address the common issues of performance troubleshooting
- Work safely with liquid nitrogen and apply general safety protocols in coiled tubing operations
- Carryout prevention and management of kick situations as well as select and use appropriate personal protective equipment (PPE)

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 overview of all significant aspects and considerations of coiled tubing operations for production engineers, drilling supervisors, well engineers, resources engineers, petroleum engineers and those interested in applying CT technology for workover services, drilling, completions and production operations and those who need an update on the latest CT technology.

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\$ 8,500 per Delegate. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Accommodation

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

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.

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, HDTTC, 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: Sunday, 29th of March 2025

0730 – 0800	<i>Registration & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 – 0930	Introduction to Coiled Tubing Operations
0930 – 0945	<i>Break</i>
0945 - 1030	Coiled Tubing Equipment
1030 - 1130	Components & Specifications of the Coiled Tubing Reel
1130 - 1230	Well Control Equipment: Components & Usage
1230 – 1245	<i>Break</i>
1245 - 1330	Power Packs & Hydraulic Systems
1330 - 1415	Transport & Rig-up Procedures for Coiled Tubing Units
1415 - 1430	Recap
1430	<i>Lunch & End of Day One</i>

Day 2: Monday, 30th of March 2025

0730 – 0930	Coiled Tubing Applications
0930 – 0945	<i>Break</i>
0945 - 1030	Clean-up Operations & Procedures
1030 - 1130	Nitrogen Lifting Wells: Processes & Safety Considerations
1130 - 1230	Spotting Acid at Perforations: Importance & Methods
1230 – 1245	<i>Break</i>
1245 - 1330	Fishing Operations: Techniques & Tools
1330 - 1415	Coiled Tubing Job Design: Planning & Considerations
1415 - 1430	Recap
1430	<i>Lunch & End of Day Two</i>

Day 3: Tuesday, 31st of March 2025

0730 - 0930	Acidizing & Stimulation Techniques: Overview & Applications
0930 – 0945	<i>Break</i>
0945 - 1030	Coiled Tubing Interventions: Methods & Planning
1030 - 1130	Role of Downhole "Tractors" in Coiled Tubing Operations
1130 - 1230	Cementing & Zonal Isolation Techniques using Coiled Tubing
1230 – 1245	<i>Break</i>
1245 - 1330	PLT (Production Logging Tool) & its Importance
1330 - 1415	Downhole Fluids: Properties & Handling
1415 - 1430	Recap
1430	<i>Lunch & End of Day Three</i>

Day 4: Wednesday, 01st of April 2025

0730 - 0930	Most Commonly Used Downhole Tools
0930 – 0945	<i>Break</i>
0945 - 1030	Tool Selection Criteria for Specific Operations
1030 - 1130	Overall Operational Performance during Coiled Tubing Interventions
1130 - 1230	Real-time Monitoring & Data Interpretation

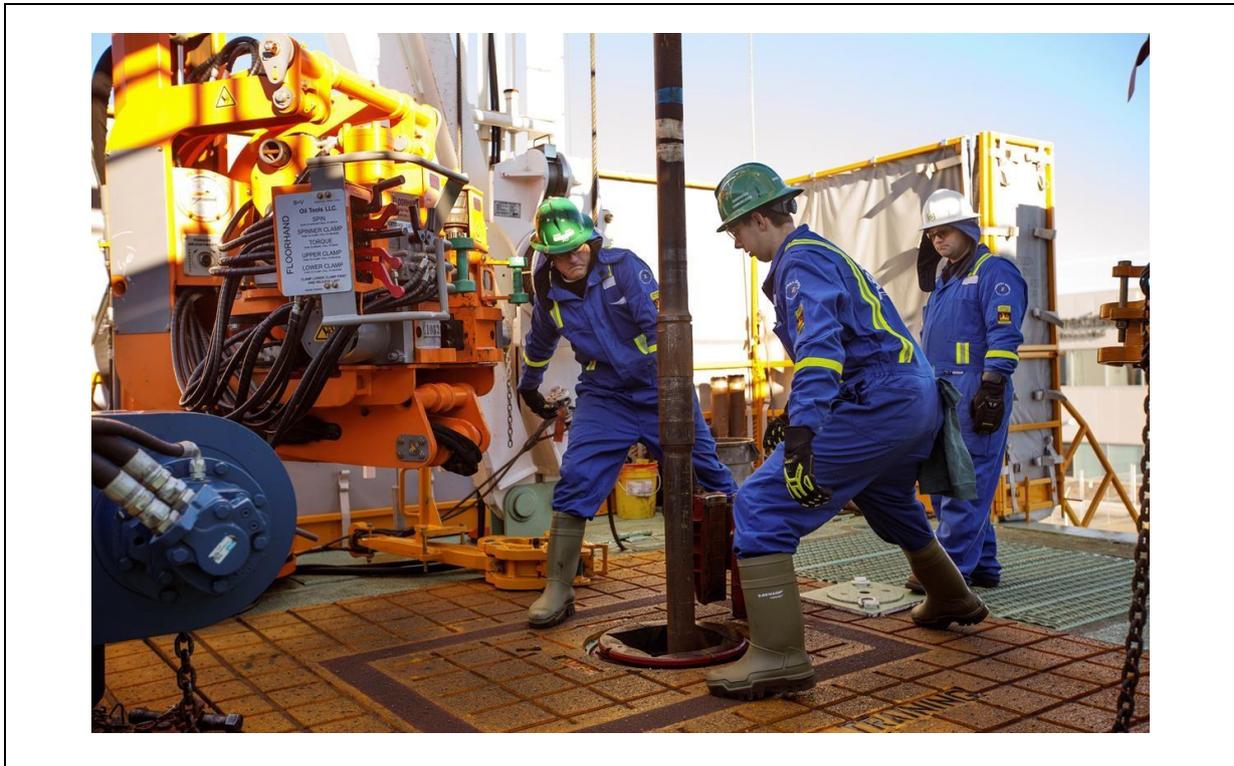
1230 – 1245	Break
1245 - 1330	Performance Troubleshooting: Identifying & Addressing Common Issues
1330 - 1415	Case Studies: Analysis of Real-world Coiled Tubing Operations
1415 - 1430	Recap
1430	Lunch & End of Day Four

Day 5: Thursday, 02nd of April 2025

0730 - 0930	Work Safely with Liquid Nitrogen: Handling, Storage & Operational Considerations
0930 - 0945	Break
0945 – 1045	General Safety Protocols in Coiled Tubing Operations
1045 – 1230	Prevention & Management of Kick Situations
1230 – 1245	Break
1245 – 1330	Personal Protective Equipment (PPE) Selection & Usage
1330 – 1400	Course Conclusion
1400 – 1430	POST-TEST
1430	Lunch & End of Course

Practical Sessions

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



Course Coordinator

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