COURSE OVERVIEW DE0111-4D
Advanced HPHT Well Intervention Operation

Course Title
Advanced HPHT Well Intervention Operation

Course Reference
DE0111-4D

2.4 CEUs (24 PDHs) AWARD

Course Duration/Credits
Four days/2.4 CEUs/24 PDHs

Course Date/Venue

Session(s)	Date	Venue
1	September 23-26, 2024	Al Aziziya Hall, The Proud Hotel Al Khobar, Al Khobar, KSA
2	December 16-19, 2024	Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, UAE

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 Advanced HPHT Well Intervention Operation. It covers the importance of HPHT well intervention in well construction and production; the HPHT well intervention equipment and techniques; the safety considerations in HPHT well intervention operations; the HPHT well intervention planning and its data requirements, objectives, criteria and program development; and the equipment, components services and applications of HPHT wireline, coiled tubing, hydraulic workflow and snubbing.

During this interactive course, participants will learn the tool strings and configurations of HPHT wireline, coiled tubing, hydraulic workflow and snubbing; the HPHT wireline logging techniques, coiled tubing, drilling techniques, and hydraulic workflow and snubbing planning and execution; the HPHT fishing tools and techniques, string design, planning and execution and best practices; the HPHT stimulation techniques and applications, tool strings and configurations, planning and execution; planning and execution of HPHT well abandonment and its regulatory considerations; the best practices for HPHT well abandonment operations; the advanced topics in HPHT well intervention operations; the emerging technologies in HPHT well intervention; the advanced techniques for intervention in complex HPHT wells; and the future directions and challenges in HPHT well intervention operations.

Course Objectives

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

- Apply and gain an advanced knowledge on HPHT well intervention operation
- Discuss the importance of HPHT well intervention in well construction and production
- Identify HPHT well intervention equipment and techniques including the safety considerations in HPHT well intervention operations
- Carryout HPHT well intervention planning and discuss its data requirements, objectives, criteria and program development
- Identify the equipment and components of HPHT wireline, coiled tubing, hydraulic workflow and snubbing
- Recognize the services and applications of HPHT wireline, coiled tubing, hydraulic workflow and snubbing
- Carryout tool strings and configurations of HPHT wireline, coiled tubing, hydraulic workflow and snubbing
- Employ HPHT wireline logging techniques, coiled tubing and drilling techniques as well as hydraulic workflow and snubbing planning and execution
- Apply HPHT fishing tools and techniques, string design, planning and execution and best practices
- Illustrate HPHT stimulation techniques and applications, tool strings, configurations and planning and execution
- Plan and execute HPHT well abandonment and discuss its regulatory considerations and best practices for HPHT well abandonment operations
- Explain the advanced topics in HPHT well intervention operations and emerging technologies in HPHT well intervention
- Apply advanced techniques for intervention in complex HPHT wells and discuss the future directions and challenges in HPHT well intervention operations

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 advanced HPHT well intervention operation for drilling engineers, completion engineers, production engineers, well intervention engineers, HPHT operations managers and HPHT technical specialists.

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 **2.4 CEUs** (Continuing Education Units) or **24 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.

Course Fee

US$ 6,750 per Delegate + **VAT**. 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 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. Shehab Al-Hamoud, MSc, BSc, is a **Senior Petroleum Engineer** with over **25 years** of **offshore** and **onshore** experience in the **Oil** & **Gas**, **Refinery** & **Petrochemical** industries. His wide expertise includes Advanced **HPHT Well Intervention** Operation, **Advanced Production Logging**, **Well Testing & Software** Application, **Wellhead & X-mass Tree**, **Completion Design**, **Well Integrity**, **Drilling & Workover** Operations, **Completion** Design & Fishing, **Well Control**, **Stuck Pipe** Principle & Practical, **Advanced Coiled Tubing** Operations & Fishing, **Rigless Solutions**, **Advanced Wire Line & Fishing**, **Well Completion Design & Performance** for Production Engineering, **SCSSV** Problems, **Well Testing** Operations, Well Intervention (**IWCFR**), **Workovers & Completions**, **Petroleum Risk & Decision** Analysis, **Well Testing** Analysis, **Engineering & Simulation**, **Reservoir Monitoring**, **Artificial Lift Design**, **Gas Operations**, **Oil & Gas Production**, **Well Cementing**, **Production Optimization**, **Production Logging** and **Project Evaluation** & **Economic Analysis**. He is currently the **Well Service & Field Operations Engineer/Supervisor** wherein he is in-charge of rigless package operations, kill well, coiled tubing operations, acidizing and fracturing, slick line operations, well completion and exploratory well testing operations, safety and emergency exercises on site.

During his career life, Mr. Shehab has gained his practical and field experience through his various significant positions and dedication as the **Field Operations Engineer**, **Well Services Engineer**, **Completion & Well Service Supervisor**, **Rigless Package Supervisor**, **Completion & Workover Supervisor**, **Completion & Workover Supervisor, Well Site Supervisor** and **Senior Technical Train/Lecturer** from various international companies such as the AFPC, ADCO and SPC just to name a few.

Mr. Shehab has a **Bachelor's** degree in **Petroleum Engineering**. Further, he is a **Certified Instructor/Trainer** a **Certified Petroleum Engineer**, held certificates on **IADC/ IWCF Well Control** and **H2S Training** and has delivered numerous trainings, courses, seminars, workshops and conferences internationally.

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 – 0930	***Introduction to HPHT Well Intervention Operations*** *Definition of HPHT Well Intervention Operations • Importance of HPHT Well Intervention in Well Construction and Production*
0930 – 0945	*Break*
0945 – 1100	***Introduction to HPHT Well Intervention Operations (cont'd)*** *HPHT Well Intervention Equipment and Techniques • Safety Considerations in HPHT Well Intervention Operations*
1100 – 1215	***HPHT Well Intervention Planning*** *Data Requirements for HPHT Well Intervention Planning • HPHT Well Intervention Objectives and Criteria*
1215 – 1230	*Break*
1230 – 1420	***HPHT Well Intervention Planning (cont'd)*** *HPHT Well Intervention Program Development*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2

0730 – 0930	***HPHT Wireline Operations*** *HPHT Wireline Equipment and Components • HPHT Wireline Services and Applications*
0930 – 0945	*Break*
0945 – 1100	***HPHT Wireline Operations (cont'd)*** *HPHT Wireline Tool Strings and Configurations • HPHT Wireline Logging Techniques*
1100 – 1215	***HPHT Coiled Tubing Operations*** *HPHT Coiled Tubing Equipment and Components • HPHT Coiled Tubing Services and Applications*
1215 – 1230	*Break*
1230 – 1420	***HPHT Coiled Tubing Operations (cont'd)*** *HPHT Coiled Tubing Tool Strings and Configurations • HPHT Coiled Tubing Drilling Techniques*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3

0730 – 0930	***HPHT Hydraulic Workover Operations*** *HPHT Hydraulic Workover Equipment and Components • HPHT Hydraulic Workover Services and Applications*
0930 – 0945	*Break*
0945 – 1100	***HPHT Hydraulic Workover Operations (cont'd)*** *HPHT Hydraulic Workover Tool Strings and Configurations • HPHT Hydraulic Workover Planning and Execution*
1100 – 1215	***HPHT Snubbing Operations*** *HPHT Snubbing Equipment and Components • HPHT Snubbing Services and Applications*
1215 – 1230	*Break*
1230 – 1420	***HPHT Snubbing Operations (cont'd)*** *HPHT Snubbing Tool Strings and Configurations • HPHT Snubbing Planning and Execution*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

0730 – 0930	***HPHT Fishing Operations*** *HPHT Fishing Tools and Techniques • HPHT Fishing Tool String Design*
0930 – 0945	*Break*
0945 – 1100	***HPHT Fishing Operations (cont'd)*** *HPHT Fishing Planning and Execution • Best Practices for HPHT Fishing Operations*
1100 – 1215	***HPHT Stimulation Operations*** *HPHT Well Stimulation • HPHT Stimulation Techniques and Applications*
1215 – 1230	*Break*
1230 – 1345	***HPHT Stimulation Operations (cont'd)*** *HPHT Stimulation Tool Strings and Configurations • HPHT Stimulation Planning and Execution*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Course Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
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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