COURSE OVERVIEW DE0413

Drilling and Work-Over Operations-Rig Less Operations & Emergency Intervention

Course Title

Drilling and Work-Over Operations-Rig Less Operations & Emergency Intervention

Course Date/Venue

February 04-08, 2024/The Kooh Al Noor Meeting Room, The H Dubai Hotel, Sheikh Zayed Rd - Trade Centre, Dubai, UAE

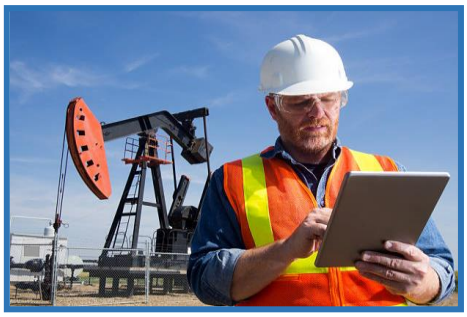
Course Reference

DE0413

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 Drilling and Work-Over Operations-Rig Less Operations and Emergency Intervention. It covers the types and advantages over traditional methods of rigless operations; the safety protocols in rigless operations and essential safety measures and equipment; the rigless equipment and tools and commonly used equipment in rigless operations; the steps for successful rigless operation planning and techniques and equipment used in well intervention without a rig; the coiled tubing operations and its applications; and wireline services and their importance.

Further, this course will also discuss the role of snubbing in rigless operations; the hydraulic workover operations, techniques and applications; the emergency intervention and types of emergencies in rigless operations; and the risk assessment and management, tools and techniques for risk evaluation.

During this interactive course, participants will learn the the HSE policies in emergency situations, health, safety and environment considerations; the emergency equipment and tools including specialized equipment for handling emergencies; the project management principles and key concepts in managing rigless operation projects; the strategies for cost-effective operations of cost management; the operational excellence using techniques; and the quality assurance and control of operations.

Course Objectives

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

- Apply and gain an in-depth knowledge on drilling and work-over operations-rig less operations and emergency intervention
- Identify the types and advantages over traditional methods of rigless operations
- Implement safety protocols in rigless operations and recognize essential safety measures and equipment
- Identify rigless equipment and tools and commonly used equipment in rigless operations
- Apply proper steps for successful rigless operation planning as well as techniques and equipment used in well intervention without a rig
- Carryout coiled tubing operations and its applications as well as identify wireline services and their importance
- Recognize the role of snubbing in rigless operations and carryout hydraulic workover operations, techniques and applications
- Explain emergency intervention and identify types of emergencies in rigless operations
- Plan emergency response and apply effective strategies for emergency preparedness
- Assess and manage risk and identify and tools and techniques for risk evaluation
- Review HSE policies in emergency situations as well as apply health, safety and environment considerations
- Classify emergency equipment and tools including specialized equipment for handling emergencies
- Determine project management principles and key concepts in managing rigless operation projects
- Employ strategies for cost-effective operations of cost management
- Enhance operational efficiency using appropriate techniques as well as ensure the quality of 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, sample video clips of the instructor's actual lectures & practical sessions during the course conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of drilling and work-over operations-rig less operations and emergency intervention for drilling operations section leaders, field supervisors, drilling engineering supervisors, production engineers, reservoir engineers, well engineers, petroleum engineers, oil field consultant, well servicing/workover/ completion staff and field production staff.

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. 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:-

- 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.

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. Hossam Kachwar is a **Senior Reservoir Engineer & Geologist** with almost **20 years** of **Onshore** & **Offshore** experience within the **Oil & Gas**, **Refinery** and **Petrochemical** industries. His wide expertise covers in the areas of **Oilfield** Development & Production Optimization, **Field** Development in Oil & Gas, **Asset Management** Principles, Risks & Economics, **Geological** Modeling, **Geological & Engineering** Aspects of Horizontal Wells, **Hydraulic Fracturing**, **Fracture Characterization** of **Modeling**, **Rock Properties & Rock Mechanics**, **Directional Drilling**, **Horizontal & Side-Tracking**, **Reservoir Simulation**, **Horizontal Well Control**, **Horizontal & Multilateral Wells**, **Shale Gas & Liquid Production & Exploitation**, **Well Architecture & Placement**, **Completions**, **Fracturing & Fracture Evaluation**, **Production Philosophies**, **Reserve** Estimation, **Reserve** Evaluation, **Reservoir** Characterization, **Uncertainty Calculations**, **Risk & Uncertainties** Management, **Resources & Reserves** Evaluation, **Reserves** Reporting, **Oil & Gas Reserves** Estimation, **Unconventional Resource & Reserve**, **Reservoir Management**, **Reservoir** Engineering, **Fractured Carbonate Reservoir**, **Reservoir** Geophysics, **Reservoir** Modeling, **Steam Flood Reservoir** Management, Integrated **Carbonate Reservoir** Characterization, Applied **Reservoir Engineering** & Management, **Petroleum Reservoir** Management, **Reservoir Surveillance** & Management, Applied **Production Logging & Reservoir Monitoring**, 3D Seismic Attributes for **Reservoir Characterization**, **Reservoir Fluid** Characterization & Management, Integrated **Reservoir Analysis**, Structural **Geology**, **Geological** Interpretation, **Drilling Rigs**, **Jack-up Rig** Operation, **Drilling Process** Evaluation, **Rig Site** Operation, **Gas Formation** Evaluation, **Gas Ratio** Analysis & Interpretation, **Drilling Bit** Optimization, **Fracture Prediction**, **Fault Seal** Analysis, **Mudlogging & Wireline** Operations, **Core & Coring** Analysis, **Drilling** Parameters Monitoring, **Well Data** Results Interpretation, **Rock** Analysis, **Rock** Formation, Rock-cutting Data, **Wireline Data & Core Sampling** Analysis, **Subsurface Mapping**, **Geological & Hydrocarbon** Evaluation, **Geostatistical Modeling** Techniques, **3D Geological** Property Modeling and **PETREL** Software. Further, he is also well-versed in **H_2S**, **Sea Survival**, **Helicopter** under Water Emergency, **Process Plant** Shutdown, Turnaround & Troubleshooting, **Process Equipment**, **Mechanical Integrity**, **Maintenance** Management, **Reliability** Management, **Reliability** Best Practices, **Maintenance Strategies**, **Rotating Equipment** Failure Analysis, **Reliability** Optimization, Reliability Centered Maintenance (**RCM**), **Risk & Reliability** Engineering, **Pump Technology**, **Pump** Construction & Installation, **Pump** Performance and **Mechanical Shaft Seals**. Currently, he is the **Reservoir Production Specialist** and **Operation & Modeler Geologist** wherein he is responsible in monitoring and analyzing all surveillance programs for all reservoir performance and managing reservoir analysis techniques as well as analyzing rocks from the oil and gas wells and using engineering geological models.

During Mr. Hossam's career life, he has gained his thorough and practical experience through his various positions and dedication as the **Senior Reservoir Engineer**, **Reservoir Engineer**, **Reservoir Production Specialist**, **Contractor Wellsite Geologist**, **Consultant Geologist**, **Reservoir Engineering Consultant**, **Wellsite Geologist**, **Mud Logger Geologist**, **Data Engineer**, **Pressure Engineer**, **Team Leader**, **Reservoir Engineering Technician** and **Senior Instructor/Trainer** for Petro-China, Petro-Canada, Suncor Energy Company, Baker Hugs, GeoServices and PetroServices, just to name a few.

Mr. Hossam has a **Bachelor's** degree in **Geology**. Further, he is a **Certified Instructor/Trainer**, a **Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership of Management** (**ILM**) and holds a Certificate of Completion in "Shale as a Reservoir: Leveraging Formation Characterization, Well Placement & Unique Completions to Improve Multi-stage Stimulation" as well as "4-D Reservoir Management Practices" from the Society of Petroleum Engineers (**SPE**) and **Colorado School of Mines**, **USA**, respectively. He has further delivered numerous trainings, seminars, conferences and workshops globally.

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, 04th of February 2023***

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Overview of Rigless Operations:*** *Definition, Types and Advantages Over Traditional Methods*
0930 – 0945	*Break*
0945 – 1030	***Safety Protocols in Rigless Operations:*** *Essential Safety Measures and Equipment*
1030 – 1230	***Rigless Equipment & Tools:*** *Introduction to Commonly Used Equipment in Rigless Operations*
1230 – 1245	*Break*
1245 – 1420	***Planning & Preparation:*** *Steps for Successful Rigless Operation Planning*
1420 – 1430	***Recap***
1430	*Lunch & End of Day One*

Day 2: ***Monday, 05th of February 2023***

0730 – 0930	***Case Studies:*** *Real-world Examples of Successful Rigless Operations*
0930 – 0945	*Break*
0945 – 1100	***Well Intervention:*** *Techniques and Equipment Used in Well Intervention without a Rig*
1100 – 1230	***Coiled Tubing Operations:*** *Detailed understanding of coiled tubing and its applications*
1230 – 1245	*Break*
1245 – 1420	***Wireline Operations:*** *Introduction to Wireline Services and their Importance*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Two*

Day 3: ***Tuesday, 06th of February 2023***

0730 – 0930	***Snubbing Operations:*** *The Role of Snubbing in Rigless Operations*
0930 – 0945	*Break*
0945 – 1100	***Hydraulic Workover Operations:*** *Techniques and Applications*
1100 – 1230	***Emergency Intervention:*** *Types of Emergencies in Rigless Operations*
1230 – 1245	*Break*
1245 – 1420	***Emergency Response Planning:*** *Effective Strategies for Emergency Preparedness*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Three*

Day 4: ***Wednesday, 07th of February 2023***

0730 – 0930	***Risk Assessment & Management:*** *Tools and Techniques for Risk Evaluation*
0930 – 0945	*Break*
0945 – 1100	***HSE Policies in Emergency Situations:*** *Health, Safety, and Environment Considerations*
1100 – 1230	***Emergency Equipment & Tools:*** *Specialized Equipment for Handling Emergencies*

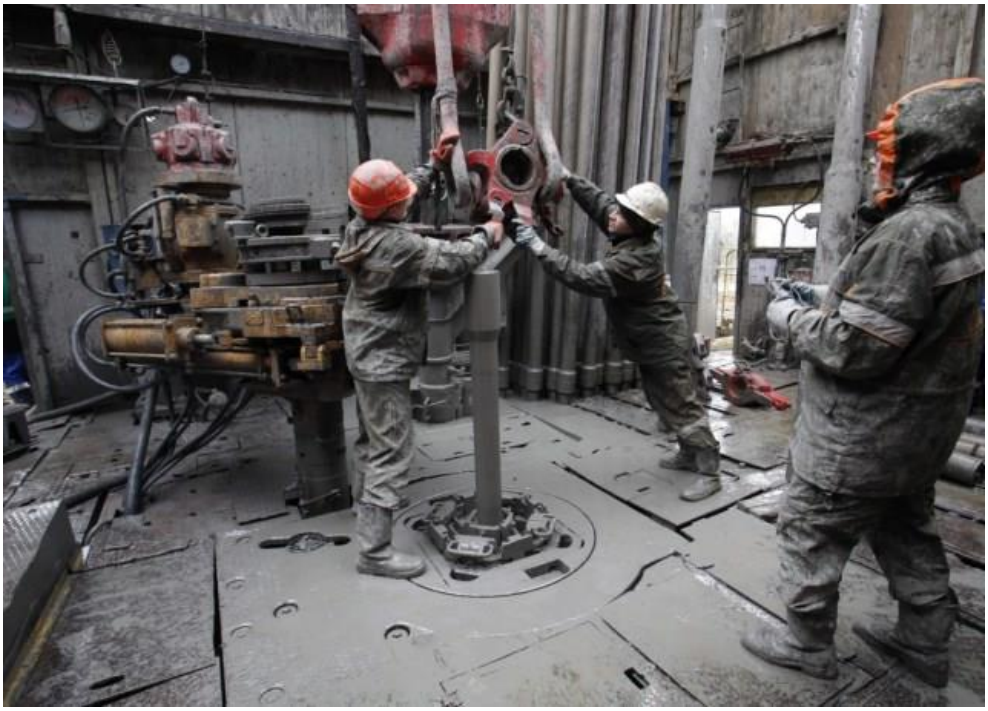
1230 – 1245	*Break*
1245 – 1420	***Exercises:*** *Practical Scenarios and Drills*
1420 – 1430	***Recap***
1430	*Lunch & End of Day Four*

Day 5: ***Thursday, 08th of February 2023***

0730 – 0930	***Project Management Principles:*** *Key Concepts in Managing Rigless Operation Projects*
0930 – 0945	*Break*
0945 – 1100	***Cost Management:*** *Strategies for Cost-Effective Operations*
1100 – 1230	***Operational Excellence:*** *Techniques for Enhancing Operational Efficiency*
1230 – 1245	*Break*
1245 – 1345	***Quality Assurance & Control:*** *Ensuring the Quality of Operations*
1345 – 1400	***Course Conclusion***
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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