

COURSE OVERVIEW DE0969-4D
Preparation for Drilling Site Location

(Site Levelling, Excavating & Trenching; Conductor Hole, Rat Hole & Mouse Hole; Transporting Equipment, etc.)

Course Title

Preparation for Drilling Site Location (Site Levelling, Excavating & Trenching; Conductor Hole, Rat Hole & Mouse Hole; Transporting Equipment, etc.)

Course Date/Venue

February 05-08, 2024/Fujairah Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

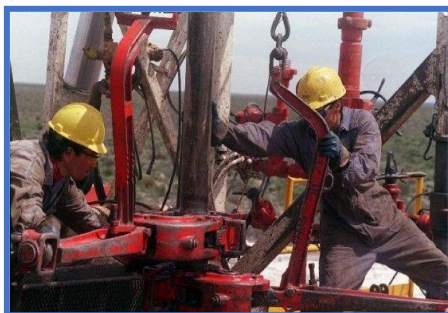
Course Reference

DE0969-4D

Course Duration/Credits

Four days/2.4 CEUs/24 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 preparation for drilling site location. It covers the criteria for location selection including a good well construction and surface footprint; the geological prognosis on spotting the well and rig selection to achieve the scope of work; and the AFE preparation, economics and early mobilization of materials with long delivery.

At the completion of the course, participants will be able to apply RP as per API specs for site preparation course permits, authorizations and safety regulations; perform site preparation including safety rules; level the site using geotechnical survey and location survey; illustrate excavation and trenching of conductor hole, rathole, mousehole and hammer driving; recognize conductor pipe, transportation of equipment and materials to location; identify drill pad and truck transportation for unloading goods in position for rig; determine mud and tanks at drill site; rig on site rigging up all components, safety rules; substructures and associated equipment; and recognize potential hazards, rig floor and mast or derrick erection.



Course Objectives

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

- Apply and gain an in-depth knowledge on the preparation for drilling site location
- Describe the criteria for location selection including a good well construction and surface footprint.
- Discuss the geological prognosis on spotting the well and rig selection to achieve the scope of work
- Carryout AFE preparation, economics and early mobilization of materials with long delivery
- Apply RP as per API specs for site preparation covering permits, authorizations, planning, studies and safety regulations
- Perform site preparation including safety rules
- Level the site using geotechnical survey and location survey
- Illustrate excavation and trenching of conductor hole, rathole, mousehole and hammer driving if required
- Recognize conductor pipe, transportation of equipment and materials to location
- Discuss drill pad and truck transportation for unloading goods in position for rig
- Determine mud and tanks at drill site, rig on site rigging up all components, safety rules, substructures and associated equipment
- Recognize potential hazards, rig floor and mast or derrick erection

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 preparation for drilling site location for all drilling engineers, geologists, drilling foremen, geology technicians, drillers, rig superintendents, rig mechanics, well oil engineers, mud engineers, mud technicians and derrickmen.

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 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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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.

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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.

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. Sigve Hamilton, MSc, BSc, is a Senior Drilling & Petroleum Engineer with over 20 years of onshore & offshore experience within the Oil & Gas, Refinery and Petroleum industries. His specialization widely covers in the areas of Advanced Drilling Operation Management, Drilling Fluid Technology, Directional & Horizontal Drilling, Drilling Optimization & Well Planning, Drilling Operation Management, Drilling Control & Operation, Drilling &

Completion Design, Drilling & Stuck Pipe Prevention, Gas Lift Operations, Gas Lift Design & Technology, Production Technology, Production Logging, Well Logging, Well Test Analysis, Well Testing Procedures & Evaluation, Well Performance & Control, Wellhead Operations, Wellhead Design, Tubing Design & Casing, Well Production Optimization, Well Control & Blowout Prevention, Coiled Tubing Technology, Coring & Core Analysis, Core & Log Integration, Core Logging, Carbonate & Seismic Sequence Stratigraphy, Completion & Casing Design, CO₂ & Injection System, Fracture Characterization & Modelling, PVT Analysis, Fluid Mechanics, Fluid Dynamics, Water Shutoff, Water Injection Technology, Water Flooding, Petroleum Engineering, Petroleum Geology, Petroleum Physics, Petroleum Data Management, Petroleum Exploration, Reservoir Engineering & Management, Reservoir Simulation, Reservoir Geophysics, Naturally Fractured Reservoir, Streamline Simulation, Carbonate Rocks & Siliciclastic Rocks, Applied Rock Mechanics, Rock Physics, Sedimentology & Sequence Stratigraphy, Special Core Analysis, Artificial Lift Design, Enhanced Oil Recovery, Subsurface Production Operation, Rig Inspection, Logging, Hydraulic & Pneumatic, Heterogeneity Modelling for Reservoir Characterization, Prosper, 3D Geological Modelling, Property & Heterogeneity Modelling, IRAP RMS Streamlines, Grid Design & Upscaling for Reservoir Simulation and MBAL, Prosper and GAP Software,

During his career life, Mr. Hamilton held significant positions and dedication as the **Petroleum Engineer, Drilling Engineer, Petroleum/QHSE Engineer, Reservoir Engineer, Field Manager, Laboratory Engineer, Mudlogging Geologist, Geoscientist, Petroleum/Production Engineer & Consultant, Project Engineer/Risk Advisor, Petroleum Consultant/Advisor, Inspector/Study Leader and Senior Instructor/Lecturer** from various companies and universities such as the University of Akureyri (UNAK), Stavanger Offshore Technical School, Akademiet, Peteka, FMC Technologies, Gerson Lehrman Group, Ocean Rig, Oilfield Technology Group, Talisman, IOR Chemco, Geoservices, ResLab and Roxar.

Mr. Hamilton has a **Master's degree in Petroleum Engineering** and a **Bachelor's degree in Reservoir Engineering** from **The University of Stavanger, Norway**. Further, he is a **Certified Instructor/Trainer** and delivered numerous trainings, workshops, courses, seminars 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: Monday, 05th of February 2024

0730 – 0800	<i>Registration & Coffee</i>
0800 – 0815	<i>Welcome & Introduction</i>
0815 – 0830	PRE-TEST
0830 – 0930	Introduction to Preparation of Site for Drilling
0930 – 0945	<i>Break</i>
0945 – 1045	Criteria for Location Selection <i>Understanding a Good Well Construction & Surface Footprint</i>
1045 – 1145	Geological Prognosis <i>Spotting the Well • Rig Selection to Achieve the Scope of Work</i>
1145 - 1230	AFE Preparation <i>Permissions • Rights • Environment</i>
1230 – 1245	<i>Break</i>
1245 – 1345	Economics <i>Cost • Time Estimate</i>
1345 - 1420	Early Mobilization of Materials with Long Delivery <i>Water Source for Adequate Support on Operations</i>
1420 – 1430	Recap <i>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</i>
1430	<i>Lunch & End of Day One</i>

Day 2: Tuesday, 06th of February 2024

0730 – 0900	RP as per API Specs for Site Preparation <i>Permits & Authorizations • Planning including Cellar Option, Pad, Water Supply & Easy Access to Work • Studies & Safety</i>
0900 – 0915	<i>Break</i>
0915 – 1015	Site Preparation including Safety Rules
1015 - 1115	Levelling the Site <i>Geotechnical Survey/Location Survey</i>

1115 - 1230	Excavation & Trenching Conductor Hole • Rathole • Mousehole • Hammer Driving if Required
1230 - 1245	Break
1245 - 1420	Conductor Pipe SOP in Offshore Case
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: Wednesday, 07th of February 2024

0730 - 0900	Transportation of Equipment & Materials to Location Access Roads & Permissions
0900 - 0915	Break
0915 - 1045	Drill Pad & Truck Transportation Unloading Goods in Position for Rig Up
1045 - 1230	Mud & Tanks at Drill Site
1230 - 1245	Break
1245 - 1420	Rig on Site Rigging Up All Components Up & Safety Rules
1420 - 1430	Recap
1430	Lunch & End of Day Three

Day 4: Thursday, 08th of February 2024

0730 - 0900	Substructures & Associated Equipment
0900 - 0915	Break
0915 - 1045	Potential Hazards
1045 - 1230	Potential Hazards (cont'd)
1230 - 1245	Break
1245 - 1345	Rig Floor & Mast or Derrick Erection
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

Kamel Ghanem, Tel: +971 2 30 91 714, Email: kamel@haward.org