

**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**

November 04-07, 2024/Boardroom 1, Elite Byblos Hotel Al Barsha, Sheikh Zayed Road, Dubai, 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 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:-

- 
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 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:



**Dr. Abia Rhouma, PhD, MSc, BSc**, is a **Senior Drilling & Petroleum Engineer** with extensive years of experience within the **Oil & Gas, Refinery and Petroleum** industries. Her expertise lies extensively in the areas of **Cementing Operations, Cementing & Casing, Coiled Tubing Operations, Coiled Tubing Technology, Coiled Tubing Design, Petroleum Engineering, Drilling Operations, Horizontal & Directional Drilling, Drilling Optimization & Well Planning, Drilling Operation Management, Drill Bit & Drilling Hydraulics, Drilling & Production Equipment, Extended Reach Drilling, Rock Mechanics, Rock Physics, Seismic Sequence Stratigraphy, Applied Reservoir Engineering & Management, Naturally Fractured Reservoirs, Practical Reservoir Engineering, Steam Flood Reservoir Management, 3D Reservoir Modelling, Reservoir Surveillance & Management, Integrated Reservoir Characterization, Naturally Fractured Reservoir Engineering, Drilling Fluids Technology, Surface BOP Stack, Hydraulic Fracturing, Decline Curve Analysis, Oil & Gas Fields Operations, Rig System, Reservoir Simulation, Enhancing Production System, Drilling & Hydraulic Fracture, Technical Writing in Drilling Fluid, Reservoir Fluids, Oil Analysis, Formation Evaluation (PVT), Bottom Hole, Wellbore Friction & Surface Pressures, Step Rate Tests/Dfit Analysis, Friction Pressures, Tortuosity versus Perforations, Estimated Leak-Off & Pre-Treatment Frac Gradients, Water Analysis, Benchtop Pilot Testing, Linear & Hybrid Borate & Zirconate Gel Systems, Real-Time Fluid Analysis & Management, Drilling Fluid, Reservoir Fluid & Well Testing, Gas Measurement & Formation Evaluation (PVT), Petroleum Design Processing, Workover & Completion, Advanced Drilling Technology, Well Head Equipment, Oilfield Operation, Hydraulic Fracture and Drilling & Completion Engineering. She has also experience with some of the software's like the Eclipse, Fracpro, Ansys Fluent, Cemstress, Paso, Gohfer, Cemcat, Sas, CMG and modeling Proppant Transport using Ansys Fluent Software. She is currently the **Procurement Department Director of ALPHA Engineering Int'l.**, wherein she is involved in developing and executing a long-term strategy to facilitate improvements for procurement services.**

During Dr. Abia's career life, she has gained his practical and field experience through his various significant positions as the **Operations Manager, Business Development Manager, Client Relation Manager, Senior Petroleum Engineer, Lead Cement Engineer, Drilling & Hydraulic Fracture Engineer, Hydraulic Fracturing Field Engineer II, Frac Engineer, Drilling Engineer, Cementing Technical Engineer, Cementing Field Engineer, QA Supervisor, Supervisor, Chemistry Lab Technician, Head of Teacher Assistance & Research Assistance** and Intern for numerous international companies such as the **Schlumberger, ConocoPhillips, Energen, Quality Repair & Modeling LLC, Liberty Oilfield Services, Sahara Chemical Solutions, Colorado School of Mines, Start Scientific Inc., MSI Oil Service and Total Oil & Gas.**

Dr. Abia has **PhD, Master and Bachelor** degrees in **Petroleum Engineering** from the **Colorado School of Mines** and the **Missouri University of Science & Technology, USA** respectively. Further, she is a **Certified Instructor/Trainer, a Certified Internal Verifier/Assessor/Trainer** by the **Institute of Leadership and Management (ILM)**, and a member of the **Society of Petroleum Engineers (SPE) International** and **American Association of Drilling Engineers (AADE)**. She has further published scientific papers and delivered numerous trainings, workshops and conferences 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: Monday, 04<sup>th</sup> of November 2024**

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

#### **Day 2: Tuesday, 05<sup>th</sup> of November 2024**

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

1115 - 1230	<b>Excavation &amp; Trenching</b> Conductor Hole • Rathole • Mousehole • Hammer Driving if Required
1230 - 1245	Break
1245 - 1420	<b>Conductor Pipe</b> SOP in Offshore Case
1420 - 1430	<b>Recap</b> 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, 06<sup>th</sup> of November 2024**

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

**Day 4: Thursday, 07<sup>th</sup> of November 2024**

0730 - 0900	<b>Substructures &amp; Associated Equipment</b>
0900 - 0915	Break
0915 - 1045	<b>Potential Hazards</b>
1045 - 1230	<b>Potential Hazards (cont'd)</b>
1230 - 1245	Break
1245 - 1345	<b>Rig Floor &amp; Mast or Derrick Erection</b>
1345 - 1400	<b>Course Conclusion</b>
1400 - 1415	<b>POST-TEST</b>
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**

Mari Nakintu, Tel: +971 2 30 91 714, Email: [mari1@haward.org](mailto:mari1@haward.org)