

DRILLING FLUID TECHNOLOGY



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TRAINING TITLE

DRILLING FLUID TECHNOLOGY

VENUE

Dubai, UAE

DURATION

5 Days

DATES

04 - 08 September 2022

PRICE

US\$4,000 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch buffet.

TRAINING INTRODUCTION

Drilling Technology is very essential for petroleum industry. Understanding this technology is very essential for all people have direct or indirect relationship with oil well drilling. Successful work and budget planning need to know the basics of drilling technology. For people who have this relationship such as new hired engineers, production engineers, reservoir engineers, operation engineers, project engineers and accountant this 5-days course will provide them with knowledge, skills and attitude acquainted for their career development and successful implementation of oil well drilling.

The course provides basic technical knowledge on the techniques and equipment used in drilling hydrocarbon wells. Participants will have better understanding on the whole drilling operations.

TRAINING OBJECTIVES

The course is designed to give an overview of the basic fundamentals of oil and gas well drilling. It introduces rig types; onshore and offshore, rig components, drilling tools and their specifications and selection procedures. It also introduces rig systems, as well as drilling operations and drilling fluids. It also deals with drilling problems and their remedies. It helps attendants to understand the drilling rigs, tools, drilling operations and drilling problems.

TRAINING AUDIENCE

Newly Engineers and some experienced personnel working on Drilling Rigs who want to gain exposure on drilling theories and operations, and non-technical E & P staff such as Logistics, Finance and Personnel who want to gain knowledge and to understand the technical terms in Drilling.

TRAINING OUTLINE

- Introduction to Drilling Eng. Principles
- Rig Types and Rig Components
- Drill Bits and Drill Bit Technology (Bit types, Cutter mechanism, Bit nomenclature, Bit IADC code, Bit selection, Bit dull grading, Bit performance and analysis)
- Directional Drilling (general directional well types and its applications, directional drilling tools, directional survey tools, directional drilling methods, monitoring and control well trajectory, tool face orientation and correction, directional survey calculations, directional well plotting)
- Bottom Hole Assemblies for Directional Drilling
- Pipe Bending, Buckling, Fatigue, Neutral point, Torque and Drag, Azimuth Declination and Convergence
- Horizontal Drilling, Multilateral tie-back systems and new innovative techniques
- Casing (types & functions), Basic Design and Design criteria
- Basic cementing (classification, additives and functions), Casing cementing
- Drilling fluids (classification, additives and treatments)
- Drilling costs and drilling cost controls.

TRAINING CERTIFICATE

MAESTRO CONSULTANTS Certificate of Completion for delegates who attend and complete the training course

METHODOLOGY

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of “real life” issues in their organizations.

The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.