

CASING AND CEMENTING AND FLUID COURSES



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TRAINING TITLE

CASING AND CEMENTING AND FLUID COURSES

VENUE

Dubai, UAE

DURATION

5 Days

DATES

05-09 June 2022

PRICE

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

TRAINING INTRODUCTION

Successful well drilling requires different considerations, interdisciplinary planning, and special techniques. Casing, cementing and fluid flow are very useful subjects outstanding drilling well implementation and production duration thereafter. This 5-day course addresses the critical need for a proper understanding of all aspects casing and cementing operations. Casing manufacture and casing properties as well as casing design is more useful for oil well engineering. A combined practical and technical theme is employed, with emphasis on economy and efficiency in running and cementing these casing. Participants develop an appreciation for the choosing casing scheme and cement properties for oil wells for successful long life production.

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.

The main objectives of this course is to make the attendees familiar with all casing terminologies, inform them about the basic requirement of casing design and train them to design actual cases of some given wells. Also, major problems such as salt collapse will be introduced and remedies process will be shown.

TRAINING AUDIENCE

Roustabouts, Floor-men, Derrick-men, Assistant Drillers, Drillers, Tool-pushers, OIM's, Chief Electricians, Chief Mechanics, Drilling Engineers, Project Engineers, and Operation Engineers

TRAINING OUTLINE

- Manufacture of Casing
- Pore Pressure and Fracture Pressure
- Casing Loads and Setting Points
- Analytical and Graphical Casing Design
- Effect of non Uniform Loads
- Functions of Cementing Operation
- Manufacturing and Chemistry of Cement
- API Cement Classes
- Rheology of Cement Slurries
- Properties of Cement Slurries,
- Properties of Set Cement
- Testing Cement Properties
- Cement Additives
- Primary Cementing Equipment
- Placement Techniques
- Engineering Calculations in Primary Cementing,
- Testing Cement Jobs
- Risk Assessment in Cementing Operation
- Case Studies

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.