



**MAESTRO**  
CONSULTANTS

# WELL COMPLETION, TESTING & WORKOVER

## COURSE OUTLINE 2024

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## **TRAINING TITLE**

WELL COMPLETION, TESTING & WORKOVER

## **VENUE**

Dubai, UAE

## **DURATION**

5 Days

## **DATES**

22 - 26 January 2024

## **PRICE**

\$5,250 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch buffet.

## **TRAINING INTRODUCTION**

This course is primarily designed for drilling, production and completion engineers and supervisors needing a practical understanding and an appreciation of well completion design and operation, well stimulation and work over planning. It explains how completion configurations are varied to meet well objectives and to maximize well productivity. Design concepts and methods are presented together with downhole tools and their selection criteria.

Completion types and design for vertical, horizontal and multilateral wells, design and optimization of tubing based on tubing performance analysis (Inflow performance analysis, liquid and gas hold up during fluid flow and forces on tubing), downhole equipment, tubing accessories, wellhead equipment including completion. Also, fluid flow through perforations and perforation techniques; communication tests; wireline operations; reservoir stimulation; and hydraulic fracture treatment design and optimization are extensively reviewed. Local case studies are also provided.

This course is talking in detail about casing, tubing accessories and completion types. Also, completion equipment design, operations and well productivity. To enhance the participants' knowledge, skills, and attitudes necessary to understand well completion technology.

## **TRAINING OBJECTIVES**

By the end of this course, participant will be able to:

- Enhance the participant's knowledge skills to understand the well completion.
- Improve the awareness of types wells completions, operations and subsurface equipment
- Apply the latest techniques in well completion design and operation
- Optimize tubing dimensions for maximum production and estimate the pressure losses in tubing for different rock & fluid properties
- Use different subsurface completion equipment and accessories and select packers and packer settings

- Operate the well head equipment properly and calculate geometries and dimensions casing and tubing hangers
- Identify the different special consideration for horizontal and multilateral completions on wellbore, tubing and casing configuration
- Recognize the components of perforation of oil and gas wells such as completion fishing operations, well stimulation and fracturing, well testing, and well integrity
- Carryout the various procedures of communication tests
- Practice the process of wireline operations
- Discuss the elements of reservoir stimulation and increase the knowledge in understanding of stress and rock properties involved in the simulation techniques

## **TRAINING AUDIENCE**

Petroleum engineers, Completion Engineers, drilling and senior drilling supervisors, reservoir and senior reservoir engineers, geologists, production and completion engineers and supervisors Foreman.

## **TRAINING OUTLINE**

- **Casing & tubing introduction**
  - Manner of manufacture.
  - Type of joints.
  - Length range.
  - Wall thickness.
- **Well completion type.**
  - Open hole.
  - Cased hole.
  - Slotted liner.
  - Single completion & double.
- **Completion equipment and design practices.**
  - Well head &
  - Safety valves.
  - Slide side door and circulation device.
  - Permanent and packer.
- **Completion operation.**
  - Cementing primary and multistage.
  - Remedial
  - Cased hole log.
  - Depth control.
  - Cement bond evaluation.
- **Completion productivity.**
  - Sizing the tubing & performance.
  - Artificial lift requirement.
  - Perforation and selection.
  - Completion fluids.

## **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.