

CRUDE OIL TESTING

Equipment & Corrosion Control

PRD029

COURSE DESCRIPTION

Topics covered include safety regulations, operation schedules, procedures and sequences, equipment to be used, service companies' role, contingency plans and emergency procedures. By the end of this course, attendees will have an understanding of the industry's technologies in field of designing and executing oil well testing operations & corrosion control methods. They will have knowledge of selecting the appropriate method for the particular operation and perform the task in a safe and efficient manner.

COURSE GOAL

To enhance the participants' knowledge, skills, and abilities necessary to be able to test wells and crude oil and to control corrosion problems.

COURSE OBJECTIVES

By the end of this training course, participants will learn to:

- Understand the produced fluid properties.
- Understand downhole testing theory.
- Supervise testing operations.
- Be familiar with crude oil treatment process.
- Perform crude oil testing.
- Understand the various types of corrosion.
- Understand flow assurance problems and mitigations plan.

WHO SHOULD ATTEND

- Workover, completion and production engineers.
- Production Technologists.
- Process Engineers.
- Production supervisor and operators.
- Field maintenance supervisors and operators.
- Safety engineers

COURSE DURATION

5 Working Days

COURSE OUTLINES

- Production System
- Fluid Properties
- Oil Wells' Completion
- Downhole Testing Theory
- Surface Facilities
- Separator Operating Pressures
- Crude Oil Treatment
- Pipe Line
- Pigging Operations
- Storage Tanks
- Safety Systems and SSCSSV
- Flow Assurance
 - Inorganic Scales
 - Emulsion
 - Paraffin
 - Asphaltene
 - Hydrate Formation
- Crude Oil Lab. Testing
- Surface Well Testing Operations
- Equipment Pressure Testing
- Sand Production Effect on Testing Operations
- Corrosion Theory
- Types of Corrosion
- Corrosion Control

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