

BASICS OF OIL PROCESSING

PRE002

COURSE DESCRIPTION

This course is designed to familiarize participants with the basic aspects of oil production and the common processes and equipment used in gathering and processing. It is ideally suited to technical, operations and maintenance personnel involved in oil gathering and processing who have had limited exposure in this area, or for professionals involved in other areas of the petroleum industry who require a comprehensive overview of oil gathering and processing.

COURSE GOAL

To enhance the participants' knowledge, skills, and abilities necessary to understand the characteristics of crude oil that impact flow and processing, and the basic aspects of oil production and the common processes and equipment used in gathering and processing.

COURSE OBJECTIVES

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

- Improve understanding and awareness of reservoir properties and well productivity.
- Aid personnel involved in designing of well completion methods; perforations and artificial lift systems.
- Improve understanding and awareness of oil processing methods.
- Increase knowledge about gas processing, separation and refrigeration.

WHO SHOULD ATTEND

Technical, Operations and Maintenance Personnel

COURSE DURATION

5 Working Days

COURSE OUTLINES

- Characteristics of Oil, Water and Gas Production
- Vapor/Liquid Separation
- Crude Oil Gathering and Processing
- Oil Well Production Facility: Battery 2
- Introduction to reservoir concepts
- Well completion and well head
- Intel manifold

- Artificial lift methods
- Separation and separators
- Oil treating
- Oil storage & transportation
- Gas production systems and operation
 - Fundamentals
 - Natural gas and liquid separation
 - Dehydration of natural gas
 - Refrigeration system

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