N611 – Introduction to Crude Oil Gathering and Processing

Duration

Two classroom days providing 1.6 CEU (Continuing Education Credits) or 16 PDH (Professional Development Hours)

Summary

This two-day course is designed to familiarize participants with the basic aspects of crude oil production and the common processes and equipment used in gathering and processing. This course 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.

Who Should Attend

This course 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. It is not intended for Facility Engineers with more than two years of experience.

Participants will learn to:

1. Recognize the characteristics of crude oil that impact flow and processing.
2. Identify the lease elements required for oil production.
3. Describe the various types of separators.
4. Describe the components of a pipeline.
5. List typical elements of an oil battery.
6. Identify options for produced water disposal.
7. Discuss tankage requirements on a facility.

Course Agenda

Day One

1. Characteristics of Oil, Water and Gas Production
2. Sales Product Specifications
3. Fluid Flow – Pipelines
4. Vapor/Liquid Separation

Day Two

1. Compression
2. Dehydration
3. Typical Oil Well Production Facilities
4. Inlet Separation and Free Water Knockout
5. Oil Treating
Instructor

Dale Kraus earned a Degree in Chemical Engineering from the University of Saskatchewan in 1981. He has held Facility Engineering and Operations Management experience with several major multinational oil companies for 20 years, and, most recently, has been providing consulting services to the Oil & Gas Industry. He has a broad background in Upstream Facilities and Process Engineering, coupled with extensive Operational experience gained in the Field.

Course Dates

Please visit the course details webpage for currently scheduled course dates.

Available for In-House Group Delivery

This course is available for In-House Training and the content can be customized to suit the needs of your organization. For more information or to request a proposal, please email inhouserequests@peice.com or call 713-482-3858 (USA), 403-284-1250 (Canada).