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Course Name

Production Operations and Surface Facilities

Sector Name

Oil, Gas and Chemical

Document Type

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Production Operations and Surface Facilities

Course Introduction

Production Operations and Surface Facilities

This course presents a basic overview of all typical oilfield treating and processing equipment. Participants should learn not only the purpose of each piece of equipment but also how each works. Emphasis is on gaining a basic understanding of the purpose and internal workings of all types of surface facilities and treating equipment.

A major goal of this course is to improve communication among all disciplines, the field, and the office. Better communication should enhance operational efficiencies, lower costs, and improve production economics. Daily sessions include formal presentation interspersed with a good number of questions, discussion, and problem-solving.

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Production Operations and Surface Facilities

Target Audience

- ✓ Production Engineers
- ✓ Facility Engineers
- ✓ Operations Supervisors
- ✓ Maintenance Personnel
- ✓ Field Technicians
- ✓ Project Managers
- ✓ Health, Safety, and Environment (HSE) Officers
- ✓ Process Engineers
- ✓ Reservoir Engineers
- ✓ Asset Managers

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Learning Objectives

- ✓ Properties of fluids at the surface, Foams, emulsions, paraffins, asphaltenes, hydrates, and salts.
- ✓ Importance of oil processing
- ✓ Separation and treatment Separators
- ✓ Slug catcher
- ✓ Heaters
- ✓ De-sanders
- ✓ De-salters
- ✓ Tanks
- ✓ Pumps

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Production Operations and Surface Facilities

Course Outline

✓ 01 Day One

Introduction - Properties Of Fluids At Surface, Foams, Emulsions, Paraffins, Asphaltenes, Hydrates, Salts

- ✓ Produced oil properties
- ✓ Produced oil impurities.
- ✓ Drawback of the produced impurities.
- ✓ Importance of oil processing.

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Course Outline

✓ 02 Day Two

Separation and Treatment

- ✓ Introduction to separation and treatments
- ✓ Types of separators.
- ✓ Two-phase and three-phase separators.
- ✓ Horizontal, vertical, and spherical separators.
- ✓ Factors affecting separation efficiency.

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Course Outline

✓ 03 Day Three

Slug Catchers, Heaters, and Desalters

- ✓ Slug catcher importance
- ✓ Slug catcher working theory

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Course Outline

✓ 04 Day Four

Types of heaters (Direct & indirect heaters)

✓ De-salters

De-sanders, Tanks, and Pumps

✓ Types of de-sanders.

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Course Outline

✓ **05 Day Five**

Types of tanks.

✓ Shipping pumps.

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 23, 2027	May 27, 2027	5 days	4250.00 $	KSA , Riyadh
Sept. 27, 2027	Oct. 1, 2027	5 days	4250.00 $	UAE , Abu Dhabi
March 15, 2027	March 19, 2027	5 days	4250.00 $	UAE , Dubai
Nov. 9, 2026	Nov. 13, 2026	5 days	5950.00 $	USA , Los Angeles

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