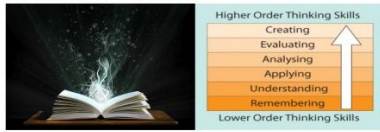




The Training Company



# The Training Company

## Introduction to Petroleum Engineering

**Level :** Discovery

### **Audience**

- Professionals in technical, commercial, legal, financial or human resources departments, within the petroleum industry or related sectors, who need of a general knowledge in petroleum engineering

### **Purpose**

- To provide a complete overview of petroleum engineering covering primary issues of reservoir, drilling, completion, and surface production

### **Learning Objectives**

- To learn about major issues in petroleum engineering
- To understand the various operations carried out during field development, from drilling to surface treatment
- To learn the vocabulary needed to communicate with professionals

# Course Outline

## Reservoir engineering

- Geologic traps
- Rock and fluids properties
- Logging and well-test evaluation
- Drainage mechanisms
- Improved oil recovery

## Well

- Drilling
- Oil and gas exploration organization
- Well design
- Drilling rig: functions hoisting, rotations, pumping, safety...
- Drilling operations: casing, cement job, fishing, D.S.T.
- Downhole production / Completion
- Completion design
- Global approach of flow capacity
- Reservoir-well bore interface
- Well stimulation
- Well equipment and maintenance
- Chronology of a completion operation
- Offshore wells
- Selection of the rig type: jack-up, semi...
- Design and specific equipment

## **Oil and gas processing facilities**

- Different objectives of processing field plants
- Gathering system, hydrate inhibition
- Crude oil treatment: oil and gas separation, crude oil dehydration and desalting processes
- Gas processing: dehydration, sweetening, NGL recovery processes
- Offshore production: metering and shipment

**Duration** : 5 days

### **For registration**

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