

# SURFACE PRODUCTION SUPERINTENDENT TRAINING

Field Operations  
Field processing

E- 533

## OBJECTIVES

The training aims at providing the already experienced participants with a wider (Reservoir, Corrosion/Inspection, Maintenance...) and high level (Well performance, Flow assurance...) technical knowledge, as well as developing their team management and oral & written communication skills.

On completion of the course, participants:

- master the overall production chain, from reservoir to offloading facilities.
- know the available tools and techniques for well performance enhancement and production optimization.
- know the maintenance constraints and their consequences on production activities.
- are informed of the state of the art techniques in Oil & Gas production activities.
- know HSE management on site and each other's responsibilities.
- have developed their work methods and communication skills.

## COURSE CONTENT

<b>RESERVOIR ENGINEERING, DRILLING, WELL COMPLETION AND SERVICING</b>	<b>3 days</b>
Reservoir engineering for production.- Well testing Information on drilling techniques. Well completion and servicing for naturally flowing wells. Wellhead equipment - Well safety equipment.	
<b>ARTIFICIAL LIFT AND WELL PERFORMANCE</b>	<b>4 days</b>
Gas Lift (GL). Pumping: Electrical Submersible Pump (ESP), Progressing Cavity Pump (PCP), Sucker Rod Pump, ... Daily well monitoring - PDMS. Well performance. <i>Applications using a dynamic Simulator for gas lift developed by RSI SIMCON (IFP Group)</i>	
<b>OIL, WATER AND GAS PROCESSING</b>	<b>14 days</b>
Effluent behavior. Crude oil processing. Production and injection water treatment. Gas conditioning and processing. Metering.	
<b>EQUIPMENT OPERATION AND MAINTENANCE</b>	<b>11 days</b>
Fundamentals of corrosion. Inspection. Static equipment Operation and Maintenance. Rotating Machinery Operation and Maintenance. Electricity - Electrical motors and power generators. Terminal operation and maintenance.	
<b>ADVANCED PROCESS CONTROL - SAFETY SYSTEMS</b>	<b>3 days</b>
Instrumentation & Process Control. Distributed Control System (DCS). Safety System: Emergency Shut Down (ESD), Fire & Gas, High Integrity Pressure Protection System (HIPPS)	
<b>TRAINING SIMULATOR</b>	<b>5 days</b>
Procedure development and application. Simulation of upsets.	
<b>MULTIDISCIPLINARY CONFERENCES</b>	<b>5 days</b>
Mature fields. Deep water development and operation challenges. Flow assurance. Heavy oils. Commissioning - Maintenance management - Field Operation Initiative	
<b>SHE MANAGEMENT ON SITE AND RESPONSIBILITIES</b>	<b>6 days</b>
Product and equipment related risks. SHE in production operations. SHE in construction and maintenance works. Simultaneous Operation (SIMOPS) Management. Safety Engineering SHE management on site - Responsibilities	
<b>WORK METHODS AND COMMUNICATION</b>	<b>3 days</b>
Work methods and team management. Oral communication.	
<b>FINAL EXAMINATION - JURY</b>	<b>2 days</b>
Application of the studied technical subjects. <b>Oral presentation - Practice and develop communication skills.</b>	

### ▲ Who should attend?

Future Production Superintendents, having a large experience in the Oil & Gas production activities.

### ▲ Duration

56 days

### ▲ Dates & Location

April 21 to  
July 11, 2008  
Pau ( South West)

### ▲ Tuition Fees

€ 24,000

### ▲ Course Coordinator

Jacques P ARPANT

Ref. PROD / PRODSI

