

INTRODUCTION TO PETROLEUM ENGINEERING

OBJECTIVES

To offer an overall information about drilling, reservoir, completion and surface facilities.

At the end of the session, participants:

- have good information about techniques and problems related to field development from drilling to surface facilities,
- are able to fully communicate with the personnel involved with it.

COURSE CONTENT

RESERVOIR ENGINEERING

1 day

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

WELL

2.5 days

Drilling:

- Oil and gas exploration organization
- Well design
- Drilling rig: functions hoisting, rotations, pumping, safety...
- Drilling operations: casing, cement job, fishing, D.S.T.
- Visit of a drilling rig used for training

Completion:

- Completion design
- Global approach of flow capacity
- Well bore treatment: sand control, stimulation (acidizing, fracturing...)
- Well equipment and servicing

Offshore wells:

- Selection of the rig type: jack-up, semi...
- Design and specific equipment

OIL AND GAS PROCESSING FACILITIES

1.5 days

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: fixed or floating production system

E-040

▲ Who should attend?

Anyone working in the oil and gas and related sectors:

- whose activity (either technical, commercial, legal, financial or human resources) is in some way connected with drilling, reservoir, completion or surface facilities,
- having a general "need to know" requirement on these subjects.

▲ Duration

5 days

▲ Dates & Location

June 22-26, 2009
Rueil-Malmaison (Paris)

October 19-23, 2009
Rueil-Malmaison (Paris)

French sessions: F-040

▲ Registration

Fees: € 1,950

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