

INTRODUCTION TO RESERVOIR ENGINEERING

E-350

COURSE OBJECTIVES

To provide an understanding of main reservoir engineering concepts used in hydrocarbon development projects. To enable participants involved in field development and field monitoring to communicate with Reservoir Engineers in multidisciplinary teams.

▲ Who should attend?

Engineers and technicians not directly involved in day-to-day reservoir engineering but concerned with it (geologists, geophysicists, drilling, completion, production and process personnel; platform designer, economists, etc.).

COURSE CONTENT

BASICS OF RESERVOIR CHARACTERIZATION

3 days

Production geology (basic concepts): reservoirs, traps, heterogeneities,...

Petrophysics: rock properties

Reservoir fluid properties (gas, oil, formation water)

Volumetric evaluation of oil and gas in place

Logging evaluation

Exercises

FIELD DEVELOPMENT

1.5 days

Well test interpretation

Multiphase flow

Drainage mechanisms

Primary drainage: undersaturated oil reservoir, dissolved gas drive, gas cap drive, oil reservoir with natural water influx, gas field,

Secondary recovery: waterflood, gas injection

Enhanced Oil Recovery: EOR

Basics of reservoir simulation

Field developments

Exercises

CASE STUDY

0.5 day

Application to an oil field exploitation and evaluation: recovery and drainage mechanism evaluation, reserves estimation, development schedule,...

▲ Duration

5 days

▲ Dates & Location

Sept. 28 - October 02, 2009
Rueil-Malmaison (Paris)

French session: F-350

▲ Registration

Fees: € 1,950

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