(2) Reservoir Development

WHO SHOULD ATTEND

This course is intended for all engineers engaged in the oil industry, involved in Reservoir Engineering, especially those responsible for the elaborate plans for Reservoir Development.

COURSE OBJECTIVES

To train the participant for Developing Hydrocarbon Reservoirs optimally, ensuring maximum recovery of reserves, with less possible investment, and preserving the environment.

CONTENT

Concepts review: Reserves, Developed Reserves, Production/Reserves Relationship, Reservoir, Reservoir Exploitation Target, Reservoir Development, Oil Mobility, Darcy's Equation.

a. Stages of the life of a reservoir:

Typical curve of production behavior of a reservoir, classification of the reservoirs according to their stage of maturity and exploitation of mature fields.

b. Spacing between wells:

Oil viscosity at reservoir conditions and their influence on oil mobility, lateral continuity and infield wells.

c. Reservoirs energetic characterization:

Production mechanisms, influence of the dominant production mechanism in the reservoirs development and horizontal wells. Influence of artificial lifting method in the recovery of reserves. Searching for production opportunities.

INTENDED FOR

Reservoir Engineers, Simulation Engineers, Integrated Reservoir Studies, Workover Engineers, Reservoir Managers, Geologists and Geophysicists