€TRAINING

Application of PLT (production lagging tool) in oil field

20 - 24 October 2019
Amman (Jordan)
Vip Business Center

Application of PLT (production lagging tool) in oil field

REF: E6106 DATE: 20 - 24 October 2019 Venue: Amman (Jordan) - Vip Business Center Fee: 2500 Euro

Overview:

This course teaches you the use and limitations of a variety of production logging tools including spinner, temperature, noise, fluid injections and others tools.
You will learn what results these tools yield, the interpretation assumptions that are integral to their designs, and how quality is affected by the acquisition process.
You will also learn the fundamentals of production log interpretation with hands-on examples and an in-class workshop on interpreting single and two phase flow using production logs.
You will learn how production logs can be used for the measurement of 3 phase fluid flow.

Course content:

- Inflow performance and productivity index for oil wells and gas wells.
- Outflow performance: matching inflow with outflow to optimize well productivity.
- Tool conveyance using tractors and coiled tubing.
- Depth control in cased hole wells using PLT,GR and CCL.
- Well completions applied to vertical, deviated, horizontal, and multi-laterals.
- Pressure control system for rigless operation.
- Reservoir Fluids: fluid properties: GOR, Bubble point Pressure; three phase diagram.
- Reservoir drive mechanisms and associated production problems.
- Justifying acquiring production logs.
- Flow Regimes in vertical and deviated wells and slippage velocities.
- Defining slippage velocities and using charts to obtain slippage velocities of oil and gas.
- Standard production logging tools.
- Various techniques of measuring fluid of oil, water, gas using spinners, oxygen activation, phase velocity logging and gas bubble velocity.
- Measurements of three phase holdups.
- Spinner calibrations to obtain fluid velocities and hence production rates.
- Single phase and 2-phase and 3 phase production log interpretations.