€TRAINING

Production logging and Reservoir Monitoring

15 - 19 September 2024
Cairo (Egypt)

Production logging and Reservoir Monitoring

REF: E1515 DATE: 15 - 19 September 2024 Venue: Cairo (Egypt) - Fee: 4465 Euro

Introduction:

This training program focuses on providing participants with the necessary skills to assess well performance and monitor reservoir dynamics. It emphasizes techniques for effectively monitoring reservoir conditions to enhance overall oil and gas recovery.

Program Objectives:

At the end of this program, participants will be able to:

- Analyze processed production logging data to identify key parameters.

- Identify the entry of fluid into the wellbore, determine flow rates, discern fluid types, and recognize associated flow problems.

- Understand various flow patterns and behaviors within the well.

- Measure the flow capacity of the well and optimize flow rates effectively.

- Select appropriate tools for diagnosing well problems and develop optimal solutions.

Targeted Audience:

- Engineers at different levels.

- Contractors.

- Petroleum engineers, Technical/reservoir engineers.

- Drilling engineers, Processing engineers,Commercial analysts.

- Decision-makers/ investors in the oil and gas sector.

Program Outlines:

Unit 1:

Production Tools in Vertical Wells:

- Production tools in vertical wells; T, P, Density, Hold Up, flowmeters, GR, and other tools.

- Full data evaluation of vertical good examples.

- Horizontal wells: production tools of different companies, accuracy, quick look, validation and LQC.

Unit 2:

Data Processing and Evaluation:

- Examples and discussion.

- Data processing and evaluation.

- Finding features from production data.

Unit 3:

Reservoir Monitoring Tools:

- Reservoir monitoring tools.

- The current tools and data acquired.

- Validation of data.

- Data fitting into reservoir simulation.

Unit 4:

Data Analysis and Parameters:

- DOI, resolution, parameters used.

- Data processing and analysis.

- Examples from different fields.

- Effects of formation of water.

Unit 5:

Perforation and Zonal Isolation:

- Noise log tools, basics, frequencies.

- Used and full data evaluation.

- Perforation: types of gun in the market.

- Choosing the right gun for your.

- Formation, Data simulation, Zonal isolation.