Training - Fundamentals of Facies Analysis and Rock-Typing

ROCKTYP-EN-P | Face-to-face only | 5 days

This course provides participants with an integrated approach to facies analysis and rock-typing combining logs, core description, and laboratory petrophysical data

Level

Awareness

Public

Geologists, geophysicists and reservoir engineers involved in integrated reservoir studies

Objectives

Attendees will be able to implement the following skills:

- Identify electrofacies from logs
- Identify log signatures and facies association
- Define rock-types with petrophysical data (logs and laboratory data)
- Define Petrofacies from various relationships like Reservoir Quality Index, Winland R35 for net pay determination and other poro-perm transforms

Pedagogical & technical resources

Interactive presentations, practical exercises and hands-on activities

Assessment of achievements

- Trainees are assessed throughout the training through practical application phases and interactions with the trainer
- A final on-the-spot evaluation may also be carried out at the end of the course and/or at the end of each module using tests designed to verify the learners' understanding and assimilation of the knowledge linked to the training objectives

Prerequisites

No prerequisites are necessary to follow this course

Responsable

IFP Training instructors, with expertise in the field and trained in modern teaching methods adapted to the specific needs of learners from the professional world

Program

OVERVIEW ON ELECTROFACIES ANALYSIS & ROCK-TYPING — 1 day

Non-supervised approach and supervised approach for electrofacies analysis.
Preliminary quality control of logs with hands-on.
Integration of core description.
From electrofacies to rock-types with hands-on.

NON-SUPERVISED ANALYSIS — 1 day

Probabilistic and neural network approaches.

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Hands-on non-supervised electrofacies analysis.
Key points in non-supervised analysis.

SUPERVISED ANALYSIS — 1 day

Hands-on supervised analysis with probabilistic approach.
Key points and pitfalls in supervised analysis.
Electrofacies analysis workflow.
Hands-on integration of electrofacies in sequence stratigraphy analysis.

ROCK-TYPES DETERMINATION — 2 days

Porosity and permeability modeling (hands-on).
Rock quality index (RQI, FZI, etc.).
Rock-typing with petrophysical data and capillary pressure curves: hands-on.
Workflow for electrofacies to rock-type assignments.

To French entities : IFP Training is referenced to DataDock ; you may contact your OPCO about potential funding.
Please contact our disabled persons referent to check the accessibility of this training program : referent.handicap@ifptraining.com

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