

Training - Wellsite Geology



WSGEOL-EN-P



Face-to-face only



5 days

This program aims to understand drilling operations, oversee mud logging and well logging, while ensuring wellsite geologist tasks

Level

Awareness

Public

- Geologists involved with geological wellsite control and/or supervision
- Geoscientists using well geological reports
- Operations geologist aiming to gain a comprehensive understanding of the wellsite geology

Objectives

Attendees will be able to implement the following skills:

- Grasp various techniques applied in well-site geology.
- Learn about the various aspects of geological logging.
- Insight of wellbore equilibrium.
- Understand well-site geologist's role, tasks and responsibilities

Pedagogical & technical resources

Interactive presentations and exercises accompanied by the instructor.

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

Degree in geology.

Responsible

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

DRILLING

0.75 day

Rotary drilling equipment: rigs, bits, pipes

Operations: organization, phases, drilling, tripping, directional drilling

Mud: types, properties

Well control: preventing blow-outs, mechanical issues, gas safety

Basics of Coring

MUD LOGGING

1.25 days

Introduction: tasks, equipment, organization
 Mechanical parameters: depth, weight, rotation
 Hydraulic parameters: pressures and flow, volumes, mud properties
 Geological parameters: lag time, sampling, analysis of cuttings
 Gas logging: gas properties, sampling, analysis, non-hydrocarbons gases

PORE PRESSURE, WELL EQUILIBRIUM

0.5 day

Basics of Pore pressure: introduction, evaluation
 Basics of Well equilibrium: gains and losses, gas shows

WELL LOGGING

1 day

Equipment: Setup, main logging tools, QC
 Basic of log interpretation: identification of rocks and reservoirs, fluid contacts
 MWD/LWD: surveys, tools
 Basics of Geo-steering
 Basics of Cased hole log
 Basics of TCP-Wireline perforation

WELLSITE GEOLOGY

1.5 days

Introduction: duties and responsibilities, sources of information
 Geological observations: cuttings description, oil and gas shows
 Geological logging: location, geological logs, reporting
 Operations geologist oversees and interactions during drilling operations

Sessions

Rueil-Malmaison - From 03/23/2026 to 03/27/2026

3650 €/HT

Rueil-Malmaison - From 10/19/2026 to 10/23/2026

3650 €/HT

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