Training - Drilling Fluids

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

This course provides a comprehensive understanding of drilling fluids characteristics

Level

Knowledge

Public

Drilling and completion professionals involved in drilling and engineering in water, geothermal or oil/gas drilling operations

Objectives

Attendees will be able to implement the following skills:

- acquire a thorough knowledge of drilling fluid types, functions and applications
- asses the rheology of drilling fluids
- select the right equipment for solid removal
- carry out a troubleshooting
- communicate efficiently with a drilling specialist

Pedagogical & technical resources

- Exercises
- Application to a real case (project) for participants in the "Drilling & Completion Engineering" training course

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

FUNCTIONS OF DRILLING FLUIDS — 3 hours

PHYSICAL & CHEMICAL CHARACTERISTICS — 8 hours

Specific gravity.
Rheology.
Filtration.

© IFPTraining

Alkalinity.
Chloride.
Hardness.

TYPES OF FLUIDS — 6 hours

Water base mud.
Oil base mud.

SHALE INHIBITION — 3 hours

Types of shale.
Chemical and physical inhibition.

MECHANICAL & WASTE TREATMENT — 4 hours

Function.
Selection of equipment and layout.
Separation ranges.
Overall efficiency.
Waste treatment:

- Solidification.
- Reinjection.
- Desorption.

TROUBLESHOOTING — 4 hours

Losses:

- Detection.
- Analysis and decision chart.
- Treatment.

Hole cleaning:

- Vertical well.
- Deviated and horizontal wells.

KNOWLEDGE ASSESSMENT — 2 hours

Sessions

Pau - From 03/09/2026 to 03/13/2026 **4320 €/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

© IFPTraining