Training - Common Fundamentals of Drilling and Completion

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

This course covers an overview of fundamental knowledge in drilling and completion, and the various pressure in the well. It also provides the fundamentals knowledge in order to follow the intensive training program “Drilling & Completion Engineering”

Level

Knowledge

Public

Young engineers involved in drilling and completion, supervisors and tool pushers

Objectives

Attendees will be able to implement the following skills:

- Describe the basic notions about hydrostatic and hydrodynamic
- Carry out well pressures calculations
- Explain the fundamentals of drilling techniques
- Assess uncertainties with regard to pressure measured while drilling
- Explain the reaction of gaseous with regard of gaseous influx encountered while drilling

Pedagogical & technical resources

- Exercises, case study
- Interactive animations and videos

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

INITIAL TEST — 0.5 day

General knowledge about drilling and completion.

© IFPTraining

CAUSES OVERBURDEN PRESSURE, PORE PRESSURE, FRAC PRESSURE — 1 day

Definitions.
Causes of abnormal pore pressure.
Detection of abnormal pore pressure.
Determination of frac pressure, LOT.

DRILLING FUNDAMENTALS — 1 day

Principle of drilling, functions of the drilling fluid, well architecture.
Casing cementing.
Wellhead and safety.

HYDRODYNAMICS APPLIED TO WELL — 2 days

Hydrostatic pressure, pressure losses.
Relation between static and circulating well pressures.

KNOWLEDGE ASSESSMENT — 0.5 day

Sessions

Pau - From 01/26/2026 to 01/30/2026 — **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