

Training - Artificial Lift and Well Intervention Fundamentals



TAWO-EN-P



Face-to-face only



5 days

This course provides a comprehensive knowledge of artificial lift, workover implementation and killing procedures for a producing well

Level

Knowledge

Public

Participants attending the training program “Drilling & Completion Engineering”

Objectives

Attendees will be able to implement the following skills:

- understand the well performance & identify the need for artificial lift
- describe the downhole & surface equipment for the different techniques of artificial lift
- select the adequate artificial lift method with regard to some specific operational problems
- select the adequate well intervention method with regard to some specific operational problems
- define a well killing program (pumping diagram)

Pedagogical & technical resources

- Exercises on key parameters of artificial lift
- Design of a pumping diagram for killing a well
- Case study for a workover program with an interactive game
- Application to a real case (project) for the 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

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

ARTIFICIAL LIFT BY CONTINUOUS GAS LIFT

1 day

Continuous gas lift: principle, well unloading, operating procedure and troubleshooting, field of application.

ARTIFICIAL LIFT BY PUMPING

1 day

Sucker rod pumping, Electrical Submersible centrifugal Pumping (ESP): principle, specific completion equipment, operating procedure and troubleshooting, field of application.

TYPES & MEANS OF INTERVENTION ON PRODUCING WELLS

1 day

Mains types of intervention: measurement, maintenance, workover.

Main means (wireline unit, coiled tubing unit, snubbing unit, workover rig): principles, area of application.

GENERAL PROCEDURE OF A WORKOVER

0.5 day

Main operation steps: chronology, more tricky operations from a safety point of view, main operations.

Case of depleted reservoirs: losses and formation damage, kick-off after the workover.

WELL KILLING PROCEDURE FOR A PRODUCING WELL

0.75 day

Killing the well by circulation: area of application, basis procedures (direct or reverse circulation), elaboration of the forward-looking pumping diagram.

Killing by squeeze: area of application, basis procedure, elaboration of the operating program, case where the injectivity test is unsatisfactory, squeeze and bleed-off method.

Final killing phase: observing the well, operations to run after packer "unsettling".

CASE STUDY: WORKOVER PROGRAM

0.5 day

KNOWLEDGE ASSESSMENT

0.25 day

Sessions

Pau - From 02/23/2026 to 02/27/2026

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