

Training - IWCF Well Intervention and Pressure Control - Level 2



CP2-EN-P



Face-to-face only



5 days

IWCF Well Intervention and Pressure Control Level 2 training learn to safely intervene on live wells and manage well control incidents during wireline, coiled tubing, snubbing, and well completion operations

Certification

IWCF

Level

Knowledge

Public

Personnel who have had no training in well control or for young recruits who will be involved with well intervention operations: wire-line, coiled tubing, snubbing, workover

Objectives

Attendees will be able to implement the following skills:

- Understand the impact and consequences of a blowout
- Identify the function of each completion equipment, recognize the safety barriers and understand the behavior of a producing well
- Learn the various tools used during well interventions and understand the procedures applied during wireline, coiled tubing, snubbing, workover operations
- Be aware of the methods used to control well pressure
- To be certified IWCF Level 2

Pedagogical & technical resources

- Course material (PPT, PDF)
- Exercise book
- Certified IWCF instructor

Assessment of achievements

IWCF Level 2 examination tests

Prerequisites

A minimum of 10 working days is required by IWCF to validate the registration for the session

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

BASIC PRINCIPLES & WELL FUNDAMENTALS

0.5 day

Type of well effluents (heavy oil, oil, gas).

Hydrostatic and hydrodynamic pressures.
Specific gravities, densities, pressure gradient.
Over-balance/under-balance.
Pore pressure, frac pressure.

PRESSURE CONTROL APPLIED TO COMPLETION & WELL INTERVENTION

1.5 days

Safety barriers, pressure tests.
Well calculation (pressure, volume, pumping time, pressure to balance at the circulating device).
Shut in procedures.
Kill methods: direct or reverse circulation, bull heading, lubricate and bleed.
Specific problems linked to producing wells: losses, plugging, migration, hydrates, H2S and CO2.

COMPLETION EQUIPMENT

0.5 day

Different types of completion.
Downhole equipment (packers, safety valves), nipples, side pocket mandrels, tubing (sizes, grades and connections), Xmas tree, etc.

DIFFERENT TYPES OF INTERVENTION WITH THEIR RESPECTIVE EQUIPMENT

2 days

Wire line intervention (optional)

- Safety barriers and specific equipment.
- Rigging up and pressure tests surface pressure control equipment.
- Slick line: specific equipment (BOP, lubricator, stuffing box, cable cutter valve...).
- Braided line, e-line: specific equipment (twin BOP, grease injection system, pack-off system, tool-trap, tool-catcher...).

Coiled tubing (optional)

- Barriers and specific equipment (strippers, BOP...).
- Rigging up and pressure tests surface pressure control equipment.

Snubbing (optional)

- Barriers and specific equipment (strippers, annular BOP, stripping rams, safety rams...).
- Rigging up and pressure tests surface pressure control equipment.

IWCF CERTIFICATION

0.5 day

Test on completion equipment (compulsory).
Test on completion operations (compulsory).
Test on Wire Line operations (optional).
Test on Coiled Tubing operations (optional).
Test on Snubbing operations (optional).
Note: 1, 2 or 3 options has to be selected in addition to the compulsory tests.

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