Training - IWCF Well Control - Level 3 or 4

FPE3&4-EN-P | Face-to-face only | 5 days

The IWCF Well Control Level 3&4 training is designed to empower participants to recognize blowout risks and consequences, while equipping them to analyze the causes of kicks, master well control techniques, and operate equipment effectively

Certification
IWCF

Level
Skilled

Public
Personnel involved in water, geothermal or oil/gas drilling operations linked to the detection of a kick and well control methods (drilling engineers, mud engineers, supervisors, tool pushers, drillers, assistant drillers, etc.)

Objectives
Attendees will be able to implement the following skills:

- Understand the causes of the kicks, identify and calculate the different pressures in a well
- Recognize/analyze the signs of a kick to shut in the well with the minimum volume of gain
- Know the well control methods and demonstrate the ability to shut in the well (driller) and killing the well (supervisor)
- Detect possible incidents during the well control and react correctly
- To be certified IWCF Level 3 or 4 on well control

Pedagogical & technical resources

- Course material (PPT, PDF, Word)
- Exercise book
- Practice on simulator
- Certified IWCF instructor

Assessment of achievements

- IWCF Level 3 or 4 examination tests
- Practical assessment on simulator at driller or supervisor level

Prerequisites
The certification Level 2 is recommended for a first IWCF certification
A minimum of 10 working days is required by IWCF to validate the registration for the session

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 ON WELL CONTROL — 0.25 day

PRESSURE ANALYSIS & KICK CONTROL — 0.75 day

Reminder on hydrostatic and hydrodynamic pressures.
Relationship between various pressures in the well.
Definition of gas law and migration.
Causes and signs of abnormal pore pressure.
Frac pressure and MAASP (LOT and FIT).
Causes and signs of a kick, impact of WBM or NABM.
Precautions to be taken to avoid kicks.

WELL CONTROL — 1.75 days

Procedures to follow in case of a kick while drilling or tripping (surge and swab).
Well shut-in methods: hard and soft methods.
Observation and evolution of pressures after shut in and selection of the stabilized pressures.
Exercises on “Kill sheet”.
Well control methods to control a kick:

- Driller's method.
- Wait and weight method.

Comparison/differences between each method (advantages and drawbacks).

PARTICULAR CASES — 0.25 day

Incidents during circulation.
Shallow gas.
Volumetric method.
MAASP.
Deviated well.
Kick while running casing or during cement jobs.

SURFACE WELL CONTROL EQUIPMENT — 0.5 day

BOP stack: types, annular BOP, BOP rams, etc.
Diverter.
BOP control unit (“Koomey” unit).
Choke-manifold and remote choke control panel.
Mud-gas separators.
Function tests and pressure tests.

EXERCISES — 0.25 day

Practice on simulator as requested by IWCF.
Exercises on: principles and procedures, kill sheet and well control equipment.

SUBSEA SPECIFICITIES — 0.25 day

Difference between surface and subsea BOP.
Specific equipment between seabed and rig floor.
Well control with a subsea BOP (friction losses in choke line).
Riser margin.
Subsea BOP control unit.

IWCF CERTIFICATION — 1 day

Test on principles and procedures.
Test on well control equipment.
Practical assessment on simulator.

Sessions

Pau -	From 03/02/2026 to 03/06/2026	**2800 €/HT**
Pau -	From 05/18/2026 to 05/22/2026	**2800 €/HT**
Pau -	From 09/07/2026 to 09/11/2026	**2800 €/HT**
Pau -	From 11/30/2026 to 12/04/2026	**2800 €/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