



IWCF Well Intervention Pressure Control Training

Level 2 / 3 / 4

PROGRAMME OBJECTIVES & STRUCTURE:

This programme is aimed at people who are in critical well control positions during well intervention operations.

- ✓ **Level 2: Drilling and Wells Personnel Basic Training**
- ✓ **Level 3: Available for any role expected to shut in a well**
- ✓ **Level 4: Well Site Supervisor Training**

The certification standards in our programme are based on the pressure control knowledge required by service equipment operators and supervisory personnel in their jobs. These standards have been devised so that the measurement of candidate's knowledge can be assessed systematically.

The following certification options are provided and are made up of compulsory and optional components:

- ✓ Completion Operations (compulsory)
- ✓ Completion Equipment (compulsory)
- ✓ Coiled Tubing Operations (optional)
- ✓ Wireline Operations (optional)
- ✓ Snubbing Operations (optional)

Candidates must attempt both compulsory components and one or more optional component in a combined certification programme. However, to obtain a combined certificate, candidates must pass each component they have been nominated for.

TARGET GROUP:

We recommend personnel in the following positions should attend these courses:

- ✓ **Level 2:** Assistant Operators (Wireline, Coiled Tubing, and Snubbing)
- ✓ **Level 3:** Equipment Operator (Wireline, Coiled Tubing, Snubbing).
- ✓ **Level 3-4:** Single Discipline Supervisor/Engineer (on successful completion of Level 3 should progress to level 4).
- ✓ **Level 4:** Well Services Supervisor/Completion Supervisor/Service Leader.

IOGP Report 476 Well Control Training – Levels Guidance Chart has more specific job categories

COURSE CONTENT:

- ✓ Completion Equipment
- ✓ Completion Equipment, and
- ✓ Wireline Operations
- ✓ Snubbing Operations
- ✓ Coiled tubing Operations
- **Principles and Procedures:**
- ✓ Barrier principles
- ✓ Well information
- ✓ Shut-in procedures
- ✓ Pressure control methods
- ✓ Problems
- ✓ Pressure control management



MOVING ON FROM Level 2 to Level 3 and then to Level 4:

- ✓ **Level 2 Drilling training courses** To be run as a separate course
- ✓ IWCF recommends a **minimum three-month period to build further industry experience** and competence before the candidate moves onto the next level. It is unacceptable for a Level 3 candidate to be enrolled on a Level 4 course at the same time.

METHOD OF TRAINING:

Learning outcomes have been developed for each of the learning objectives contained in the syllabus. The outcome indicates how each learning objective will be fulfilled with a detailed description of the skills a student must have at the end of the course. These learning outcomes are the basis for assessment questions

The written test syllabus is divided into two sections:

Compulsory Modules:

- **Completion Operations:** Overview / Well integrity Assurance / Introduction to well control / Barriers / Barrier verification testing / Influx characteristics and behaviour / Shut in procedure / Well kill methods
- **Completion Equipment:** Completion Equipment

Optional Modules: Sections: At least one optional module must be taken from the optional modules

- **Wireline Operations:** Wireline Application and Equipment / Pressure Control / Pressure Control (Barrier Elements and Envelopes) / Well Intervention Operations
- **Snubbing Operations:** Snubbing Apparatus and Equipment / Pressure Control / Pressure Control (Barrier Elements and Envelopes) / Well Intervention Operations
- **Coiled Tubing Operations:** Coiled Tubing Application and Equipment / Pressure Control / Pressure Control (Barrier Elements and Envelopes) / Well Intervention Operations

EXAMINATIONS:

This programme is made up of separate sets of tests for the different levels of examinations. Candidates are required to complete two compulsory components and one or more optional components written test papers which is made up of multiple choice questions, well calculations and direct answer questions. To obtain a certificate, candidates must achieve a minimum mark of 70% in each component that they have been nominated for.

Independent Invigilators who are registered and approved by the IWCF conduct the written tests at centres which have been approved and accredited for the purpose of the certification programme

Timing for each exam is as follows:

Designation	Level 2	Level 3	Level 4
Completion Equipment (Compulsory)	35 Mins	35 Mins	35 Mins
Completion Operations (Compulsory)	70 Mins	70 Mins	105 Mins
Wireline Operations (Optional)	35 Mins	35 Mins	35 Mins
Coiled Tubing Operations (Optional)	35 Mins	35 Mins	35 Mins
Snubbing Operations (Optional)	35 Mins	35 Mins	35 Mins

COURSE DURATION:

- ✓ **Level 2 Well Intervention:** Three (3) days [Min 20 hours]
- ✓ **Level 3 and level 4 Well Intervention:** Four (4) days [Min 28 hours based on all options taken]

VALIDITY OF CERTIFICATE:

- ✓ **Level 2:** If passed, 5 years
- ✓ **Level 3 & Level 4:** If passed, 2 years