

# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



### What is this Course About?

This course consists of 4 days theoretical class and ½ day of assessment (theory assessment). This course is designed to avoid any well control situation by aiming at candidate who are in critical positions during well intervention operations. Candidates will complete an accredited training course according to IWCF syllabus. The course includes compulsory training and assessment in Completion Equipment and Completion Operations with optional modules including Coiled Tubing Operations, Wireline Operations, and Snubbing Operations (at least one of the optional modules must be selected).

### Who Should Attend?

#### Operator Level (Level 3)

Well site personnel involved in well servicing operations.

#### Supervisory Level (Level 4)

Well site or office based supervisory personnel involved in well servicing well control operations, Completion Supervisor and Service Leader.

### Method of Delivery

Training Methodology	No of days	Venue / Medium
Physical Class	*4 days	Velesto Drilling Academy
Complimentary Refresher Course	1 day (optional)	Velesto Drilling Academy
Theory Assessment	½ day	Velesto Drilling Academy

- Number of days depending on number of elective courses in a session. Minimum is 4 days and maximum is 5 days.

Note: On completion of IWCF virtual course, candidates will receive an IWCF Certificate of Attendance (eCert) and will then have 90 days to attend the Theory Assessment with Velesto Drilling Academy.



# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



### PHYSICAL TRAINING MODULE

**Theory Class**  
\*4 days (via Physical Classroom)

Physical Classroom

*Note: Upon completion of course, the candidate will receive an attendance e-certificate.*

**Theory Assessment**  
½ day

Theory Assessment Session

### PROCESS FLOW

**PRIOR CANDIDATES' REGISTRATION**

**Course Registration:**

Submission of signed Training Booking Order (TBO) & PDPA form with latest qualification of certificate, IC / Passport Copy

**PRIOR IWCF PHYSICAL CLASS**

**Guidelines:**

Joining Instruction will be shared to candidates within 1 week prior to training

**DURING IWCF PHYSICAL CLASS**

To attend the class and meet the minimum hour required

**AFTER IWCF PHYSICAL CLASS**

**eCert:**

- On completion of course, candidates will be issued with an IWCF Certificate of Attendance (eCert)
- The eCert will be valid for **90 days** to allow the candidate to attend theory assessment.

**AFTER END OF THEORY ASSESSMENT**

**Permanent eCert:**

- Receive of IWCF Temporary eCert (valid for 90 days)
- Permanent eCert will be e-mailed once we have received it from the IWCF



# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



**Venue** : Velesto Drilling Academy  
**Code** : E/WIPC-OPR/SPR  
**No. of day** : 5 Days

### Course Content

- |  |  |
|--|--|
| 01) Overview                                   | 09) BOP Equipment                          |
| 02) Introduction to Well Control               | 10) Completion Equipment                   |
| 03) Introduction to Barriers & Risk Management | 11) Rig Up / Rig Down Completion Equipment |
| 04) Testing                                    | 12) Coiled Tubing Equipment & Operation    |
| 05) Influx Characteristics And Behaviour       | 13) Snubbing Equipment & Operation         |
| 06) Shut-In Procedures                         | 14) Wireline Equipment & Operation         |
| 07) Well Control Methods                       | 15) Contingency Procedures                 |
| 08) Well Control Calculation                   |  |

### Course Outcome

By the end of this course candidates will understand:-

- ✓ The impact of well control incident
- ✓ Everyone's responsibility and how to communicate with others during meetings, & handover
- ✓ Most of well control affecting factors and calculate them such as hydrostatic & fracture pressures
- ✓ The difference between barriers and how to manage them to avoid any future risk
- ✓ Inflow test interoperating test result
- ✓ Influx characteristics, explaining changes happen at surface
- ✓ Shut In procedures with different operations interoperating pressure readings
- ✓ How to kill the well choosing the best method matching his well situation
- ✓ How to react with different situations without affecting the well
- ✓ The equipment for each operation
- ✓ How to test the equipment ensuring it fits for his well
- ✓ What's the correct action to take in case of emergency with different situations using different equipment



# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



**Venue** : Velesto Drilling Academy  
**Code** : E/WIPC-OPR/SPR  
**No. of day** : 5 Days

## Training Schedule

### DAY 01.....

08.30am – 08.45am	: Introduction to IWCF Well Intervention Pressure Control
08.45am – 09.15am	: Pre-Operation planning & Handover
09.15am – 10.30am	: Introduction to Well Control
<b>10.30am – 11.00am</b>	<b>: Tea-Break</b>
11.00am – 11.10am	: Introduction to Barriers
11.10am – 12.30pm	: Barrier Management & Barrier Testing
12.30pm – 01.00pm	: Risk Management
<b>01.00pm – 02.00pm</b>	<b>: LUNCH</b>
02.00pm – 03.20pm	: Testing
03:20pm – 04:00pm	: Influx Characteristics & Behaviour
<b>04:00pm – 04:30pm</b>	<b>: Tea-Break</b>
04:30pm – 05:00pm	: Shut-In Procedures (Principle, Procedure, Observation, Migration)
05:00pm – 05:30pm	: Shut-In Procedures (Interpretation)
	<b>: END</b>

# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



**Venue** : Velesto Drilling Academy  
**Code** : E/WIPC-OPR/SPR  
**No. of day** : 5 Days

## Training Schedule

### DAY 02.....

08.30am – 08.45am	: Kill Method Principle
08.45am – 09.00am	: Normal & Reverse Circulation
09.00am – 10.00am	: Perform Calculation (Volume)
<b>10.00am – 10.30am</b>	<b>: Tea-Break</b>
10.30am – 11.30am	: Perform Calculation (Pressure)
11.30am – 12.00pm	: Bullheading
12.00pm – 01.00pm	: Lubricate & Bleed Method
<b>01.00pm – 02.00pm</b>	<b>: LUNCH</b>
02.00pm – 02.10pm	: Recognition of problems and First Actions
02.10pm – 03.30pm	: Contingency Planning
03.30pm – 04.00pm	: BOP & Completion Equipment
<b>04.00pm – 04.30pm</b>	<b>: Tea-Break</b>
04.30pm – 05.30pm	: Cont. Completion Equipment
	<b>: END</b>



# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



**Venue** : Velesto Drilling Academy  
**Code** : E/WIPC-OPR/SPR  
**No. of day** : 5 Days

## Training Schedule

### DAY 03.....

08.30am – 09.50am	: Cont. Completion Equipment
09.50am – 10.20am	: RIG Up / RIG Down Equipment
10.20am – 10.30am	: Annulus Pressure Monitoring
<b>10.30am – 11.00am</b>	<b>: Tea-Break</b>
11.00am – 12.20pm	: Coiled Tubing (CT) Pressure Control Equipment
12.20pm – 01.00pm	: CT BOP's Rig up / Rig Down
<b>01.00pm – 02.00pm</b>	<b>: LUNCH</b>
02.00pm – 03.45pm	: CT Testing, Barrier Principles & Contingency Procedures
03.45pm – 04.00pm	: CT Shut-In Procedures
<b>04.00pm – 04.30pm</b>	<b>: Tea-Break</b>
04.30pm – 04.55pm	: Snubbing BOP's
04.55pm – 05.30pm	: RAM Type preventers (Snubbing)
	<b>: END</b>

# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



**Venue** : Velesto Drilling Academy  
**Code** : E/WIPC-OPR/SPR  
**No. of day** : 5 Days

## Training Schedule

### DAY 04.....

08.30am – 09.20am	: Snubbing Equipment
09.20am – 09.35am	: Snubbing Rigging up Procedures
09.35am – 10.30am	: Snubbing Testing, Barrier Principles & Operating Procedures
<b>10.30am – 11.00am</b>	<b>: Tea-Break</b>
11.00am – 11.50am	: Contingency Procedures ( <b>Snubbing</b> )
11.50am – 12.00pm	: Shut-In Procedures ( <b>Snubbing</b> )
12.00pm – 01.00pm	: <b>Wireline (WL)</b> Equipment
<b>01.00pm – 02.00pm</b>	<b>: LUNCH</b>
02.00pm – 02.20pm	: <b>WL</b> Shear Seal BOP
02.20pm – 02.55pm	: <b>WL</b> Pressure control equipment
02.55pm – 03.15pm	: <b>WL</b> Rigging up
03.15pm – 04.00pm	: <b>WL</b> Testing & Barrier principles
<b>04.00pm – 04.30pm</b>	<b>: Tea-Break</b>
04.30pm – 05.30pm	: <b>WL</b> Contingency procedures
	<b>: END</b>



# TRAINING COURSE

## IWCF Well Intervention Pressure Control – Level 3 & 4



**Venue** : Velesto Drilling Academy  
**Code** : E/WIPC-OPR/SPR  
**No. of day** : 5 Days

# Training Schedule

**DAY 05**.....

- 09.00am – 10.00am : Assessment – Completion Operations
- 10.00am – 10.15am** : **Break**
- 10.15am – 11.15am : Assessment – Completion Equipment
- 11.15am – 11.30am** : **Break**
- 11.30am – 12.30pm : Assessment – Elective Subject (either Wireline, Coiled Tubing or Snubbing)
- : **END**

**Note:**

If candidate enrolls for more than 1 elective subjects, then the assessment timing will be extended

Module	Number of questions	Duration (minutes)	Time per question
Completion Operations	30	60	2 minutes
Completion Equipment	30	60	
Wireline	30	60	
Coiled Tubing	30	60	
Snubbing	30	60	
Subsea	30	60	