



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

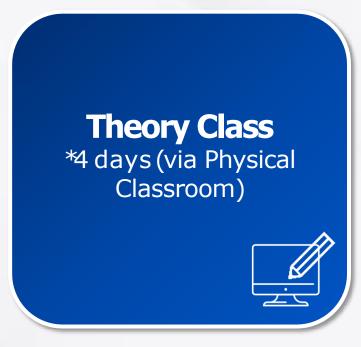
[•] Number of days depending on number of elective courses in a session. Minimum is 4 days and maximum is 5 days.

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.



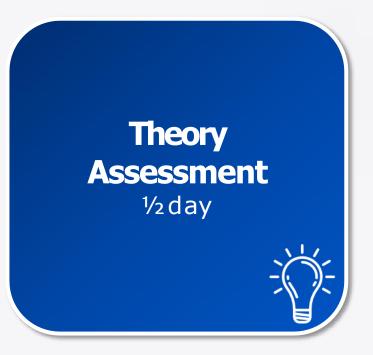


PHYSICAL TRAINING MODULE



Physical Classroom

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



Theory Assessment Session

PROCESS FLOW

PRIOR CANDIDATES' REGISTRATION

PRIOR IWCF PHYSICAL CLASS

DURING IWCF PHYSICAL CLASS

AFTER IWCF PHYSICAL CLASS

Course Registration:

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

Guidelines:

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

To attend the class and meet the minimum hour required

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







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





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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

10.30am - 11.00am : Tea-Break

11.00am – 11.10am : Introduction to Barriers

11.10am – 12.30pm : Barrier Management & Barrier Testing

12.30pm - 01.00pm: Risk Management

01.00pm - 02.00pm : LUNCH

02.00pm - 03.20pm: Testing

03:20pm – 04:00pm : Influx Characteristics & Behaviour

04:00pm - 04:30pm : Tea-Break

04:30pm – 05:00pm : Shut-In Procedures (Principle, Procedure, Observation, Migration)

05:00pm – 05:30pm : Shut-In Procedures (Interpretation)





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DAY 02.....

08.30am – 08.45am : Kill Method Principle

08.45am – 09.00am : Normal & Reverse Circulation

09.00am – 10.00am : Perform Calculation (Volume)

10.00am – 10.30am : Tea-Break

10.30am – 11.30am : Perform Calculation (Pressure)

11.30am - 12.00pm: Bullheading

12.00pm - 01.00pm : Lubricate & Bleed Method

01.00pm - 02.00pm : LUNCH

02.00pm - 02.10pm : Recognition of problems and First Actions

02.10pm - 03.30pm : Contingency Planning

03.30pm – 04.00pm : BOP & Completion Equipment

04.00pm - 04.30pm : Tea-Break

04.30pm – 05.30pm : Cont. Completion Equipment





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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

10.30am – 11.00am : Tea-Break

11.00am – 12.20pm : Coiled Tubing (CT) Pressure Control Equipment

12.20pm -01.00pm : **CT** BOP's Rig up / Rig Down

01.00pm - 02.00pm : LUNCH

02.00pm – 03.45pm : **CT** Testing, Barrier Principles & Contingency Procedures

03.45pm -04.00pm : **CT** Shut-In Procedures

04.00pm - 04.30pm : Tea-Break

04.30pm - 04.55pm : Snubbing BOP's

04.55pm - 05.30pm : RAM Type preventers (Snubbing)





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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

10.30am – 11.00am : Tea-Break

11.00am – 11.50am : Contingency Procedures (Snubbing)

11.50am – 12.00pm : Shut-In Procedures (Snubbing)

12.00pm - 01.00pm : Wireline (WL) Equipment

01.00pm - 02.00pm : LUNCH

02.00pm - 02.20pm : **WL** Shear Seal BOP

02.20pm – 02.55pm : **WL** Pressure control equipment

02.55pm - 03.15pm : **WL** Rigging up

03.15pm – 04.00pm : **WL** Testing & Barrier principles

04.00pm – 04.30pm : Tea-Break

04.30pm - 05.30pm : **WL** Contingency procedures





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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

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