



## **Vorenkamp Well Control Training**

1167 Oak Harbor  
Morgan City, Louisiana 70381  
Main: 855-888-0323  
Main: 337-451-4685  
[www.vwellcontroltraining.com](http://www.vwellcontroltraining.com)

### **IADC WellSharp Service Company Equipment Operator Wireline Well Control**

#### **Course Outline**

**Prerequisites:** This course shall have no formal pre-requisite. The individual should have no history of a disabling medical condition, which may be sufficient reason for disqualification.

**Course Length:** 8 hours - Course length shall vary depending on the number of delegates. Total course time includes breaks and meals.

**Class Size:** The maximum number of delegates that may be trained and tested per instructor shall be twelve (12) in the classroom session.

#### **Course Objective**

The curriculum identifies a body of knowledge and a set of job skills that can be used to provide well control training for Wireline operations personnel.

#### **Course Design**

- Power Point© / Lecture / Audio Video / Visual Aids
- Demonstrations
- Practical Simulations Exercises
- All students are supported with Laptops for online reviews, sample testing, support material, manuals and data sheets. Testing is online controlled by IADC thru their website. All support material is soft copied to each student thru thumb drives.

#### **Successful Course Completion**

- Requires a minimum score of 75% or better.
- Delegates will have no more than three hours to complete the exam.
- Grades shall be calculated online by IADC and be proctored by Llyod's Registry personnel, all questions are multiple choice.
- An Immediate retest after review is available or within 45 days of the initial test failure. The delegate must score a 60% or better to qualify for the re-test option.

#### **Course Content Summary**

- Classroom
- Practical's

**Breaks:** 10-15 minutes (approximately every 1.5 hours)



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### **Course Topics**

#### **Risk Awareness and Management**

- Pressure Control versus Well Control
- Potential Impacts of a Pressure Control / Well Control Event
- Live / Dead Well Status
- Risk Management
- Pre-job Communication
- Handover for Tour and Hitch Change
- Emergency Procedures
- Pressure Control
- Equipment / Barrier
- Envelope Considerations

#### **Well Control Principles & Calculations**

- Pressure Fundamentals
- Well Data Information
- Securing Well Conditions

#### **Barriers**

- Pressure Fundamentals
- Well Data Information
- Securing Well Conditions

#### **Influx Fundamentals**

- Pressure Fundamentals
- Well Data Information
- Securing Well Conditions

#### **Characteristics of Wellbore Fluids Characteristics of Wellbore Fluids**

- Completion and Workover Fluids
- Fluid Properties
- Fluid Flow Behavior
- Fluid Types

#### **General Overview of Surface and Subsurface Wellbore Equipment**

- Tree (Components, Purpose and Function of the Tree)
- Pressure Control Equipment (PCE)
- Workstring and Production Tubing



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- Completion Equipment

### Procedures

- Gas Lift Valve / Sliding Sleeve
- Wireline Open Hole Operations
- Wireline Cased Hole Operations
- Rigging Up and Deployment Into Well
- Well Control Drills

### Complications During Wireline Operations

- Types of wireline operations
- Wireline Complications
- Pressure Control Equipment Selection & Verification

### Surface Equipment

- Types of Wireline
- Safety Systems and Emergency Shutdown Devices (ESDs)

### Subsurface Equipment

- Plugs and Packers
- Completion Equipment
- Production Equipment

### Wireline Pressure Control Equipment

- Control Heads
- PCE Equipment

### Special Situations

- Blockages and Trapped Pressure in Tubing / Wellbore
- H<sub>2</sub>S considerations
- Operations with Specific Pressure Control Concerns
- Complication with Hydraulic Fracturing Operations
- Drilling Operations
- Fishing Wireline
- Well Control Action Drills
- ESD Panel

### Actions During a Well Control Operation

- Personnel Assignments



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- Communications Responsibilities

### **Equipment Testing**

- Pressure and Function Tests
- Pressure Control Equipment Testing

### **Testing**

### **Training Center Provided Material**

- Course Materials

### **Delegate Requirements**

- None

### **Reference Material / Documents**

IADC WellSharp  
API STANDARD 53  
API RP 55  
API SPEC 9A  
API RP 9B  
30 CFR 250.617