

# PROFESSIONAL CERTIFICATION

## IADC WellSharp Supervisor Surface Stack



### Course Overview

The IADC WellSharp Supervisor (Surface Stack) course is an advanced well control training program designed for supervisors, wellsite leaders, and personnel responsible for well control decision-making during drilling, completion, and workover operations. This course equips participants with the knowledge and skills to detect, manage, and respond to well control incidents effectively, ensuring safe and efficient drilling operations.

The training follows the IADC WellSharp curriculum, incorporating theoretical knowledge, case studies, well control simulations, and problem-solving exercises.

### Course Objectives

By the end of this course, participants will:

1. Understand advanced well control principles and their applications in surface stack drilling operations.
2. Develop critical decision-making skills to effectively manage well control situations.
3. Gain expertise in kick detection, shut-in procedures, and pressure control techniques.
4. Perform kill sheet calculations and apply appropriate well control methods.
5. Ensure compliance with industry safety regulations and best practices in well control management.
6. Lead and coordinate emergency response procedures for well control incidents.

### Targeted Audiences

This course is suitable for:

- Drilling Supervisors & Superintendents
- Wellsite Leaders & Company Representatives
- Well Engineers & Completions Engineers
- Senior Rig Personnel, including Toolpushers & Drillers
- Anyone responsible for decision-making in well control operations



# PROFESSIONAL CERTIFICATION

## IADC WellSharp Supervisor Surface Stack



### Learning Outcomes

Upon successful completion, participants will be able to:

1. Identify and respond to well control incidents in a structured and efficient manner.
2. Analyze well control pressures and perform accurate kill calculations.
3. Select and implement appropriate well control methods (e.g., Driller's Method, Wait-and-Weight, Volumetric, and Bullheading).
4. Manage well control equipment, including BOP stacks, accumulator systems, and choke manifolds.
5. Lead wellsite teams in well control operations, ensuring compliance with HSE requirements.
6. Mitigate risk and improve decision-making processes in critical well control situations.

### Delivery Method



*Interactive Lectures*



*Case Studies*



*Group Discussion*

### Assessment

Participants must successfully complete the following assessments to receive IADC certification:

- **Written Assessment:** Testing competency in well control principles and compliance with IADC well control training standards.
- **Simulator-based Practical Assessment:** To simulate response during a well control situation.

### Certification

Participants who pass the assessments will be awarded the globally recognized IADC WellSharp Supervisor (Surface Stack) Certificate, which is valid for **two years**.



# PROFESSIONAL CERTIFICATION

## IADC WellSharp Supervisor Surface Stack

**VELESTO**  
energy  
Drilling Academy



### Course Outline

#### DAY 01

**08.00am – 08.30am**

**: Breakfast**

08.30am – 09.00am

: Registration

09.00am – 10.00am

: Safety Briefing & Introduction

10.00am – 11.00am

: Ground Roles, Ice Breaking

11.00am – 12.00pm

: Pre-Course Comprehension

12.00pm – 01.00pm

: Course objective & How We Can Achieve It

**01.00pm – 02.00pm**

: Introduction & Definitions (01,02 & 05)

02.00pm – 03.00pm

: Kick Causes (06)

03.00pm – 03.30pm

**: LUNCH**

**03.30pm – 04.00pm**

: Kick Detection (05 & 07)

04.00pm – 05.30pm

: Fracture Pressure (08)

**: Tea-Break**

: Exercise 01

END

#### DAY 02

**08.00am – 08.30am**

**: Breakfast**

08.30am – 10.00am

: Revision (01, 02, 05, 06, 07 & 08)

10.00am – 11.30am

: Data To Be collected (11)

11.30am – 12.30pm

: Pre-recorded Data (11)

**12.30pm – 01.30pm**

: Shut-In Procedures (10)

01.30pm – 02.30pm

**: LUNCH**

02.30pm – 03.00pm

: Data To Be Collected (10)

03.00pm – 04.00pm

: Shut-In Data (10)

: Gas Behavior (09)

**04.00pm – 04.30pm**

: Constant Bottom Hole Pressure Methods (11)

04.30pm – 05.30pm

: Driller Method & Wait & Weight Method (11, 12 & 13)

**: Tea-Break**

: Kill Problems & Bad Practices (04 & 14)

END



# PROFESSIONAL CERTIFICATION

## IADC WellSharp Supervisor Surface Stack

**VELESTO**  
energy  
Drilling Academy



### Course Outline

#### DAY 03

**08.00am – 08.30am**

**: Breakfast**

08.30am – 10.30am

: Simulation Exercise 01

10.30am – 11.30am

: Well Control Related Instruments (13, 15, 18 & 19)

11.30am – 12.15pm

: BOP Stack Components (03, 15, 18 & 19)

**12.15pm – 01.15pm**

**: LUNCH**

01.15pm – 01.45pm

: Continue : BOP Stack Components (03, 15, 18 & 19)

01.45pm – 02.15pm

: Safety Valves (16)

02.15pm – 02.45pm

: Choke & Choke Manifold (17)

**02.45pm – 03.00pm**

**: Tea-Break**

03.00pm – 05.30pm

: Exercise 02

: Post-Test Course Comprehension

END

#### DAY 04

**08.00am – 08.30am**

**: Breakfast**

08.30am – 09.30am

: Simulator Exam 01

09.30am – 11.30pm

: BOP Control System (21)

11.30pm – 12.00pm

: BOP Testing (20)

**12.00pm – 01.00pm**

**: LUNCH**

01.00pm – 03.00pm

: Simulator Exam 01

**03.00pm – 03.15pm**

**: Tea-Break**

03.15pm – 05.30pm

: Simulator Exam 01

END

#### DAY 05

**08.00am – 09.00am**

**: Breakfast**

09.00am – 12.30pm

: Theoretical Exam

**12.30pm – 02.30pm**

**: LUNCH**

02.30pm – 04.30pm

: Open Discussion

**04.30pm – 05.00pm**

**: Tea-Break**

END