Our Mission

The mission of Well Control School is to provide cost effective, quality well control training courses to the oil and gas industry. We strive for continuous measurable improvement in course development and material presentation by means of open communications with our clients and providing our employees with the resources they require for professional growth within a safe, rewarding working environment.

Quality Statement

Well Control Schools provides its customers with quality products and services in a timely manner. It strives for open communication with its customers in order to meet their needs. WCS provides a system of continuous quality improvement through employee involvement, motivation and training.

With over 25 years in the oil and gas industry, Well Control School is known throughout the industry for providing high quality conventional training at its many permanent and traveling schools domestically and internationally. WCS is also known for being the first to provide the most technologically advanced e-learning methods, using the System 21 program to receive both IADC (International Association of Drilling Contractors) and API (American Petroleum Institute) accreditation.
Instructor Led Training

IADC WellCAP® & API Certified Courses

IADC WellCAP® & API Drilling

About the course: The WellCAP® Drilling Well Control Certification course addresses basic principles and theory of well control. The most commonly used well control techniques are presented. This program meets industry guidelines and certification is awarded upon successful completion at Fundamental and Supervisory levels. Simulators are used to conduct hands-on training for personnel attending this course. For course length at our permanent locations, check the training schedule.

Course content: Pressure Basics, Kick Theory, Causes of Kicks, Complications, Shut-in Procedures, Fluids, Kick Warning Signs, Killshheets, BOP Equipment, Constant Bottomhole Pressure Methods, Regulations, Subsea (if requested), Stripping and a brief discussion on Snubbing.

IADC WellCAP® & API Well Completion/Workover

About the course: This Course is based on the principles and theory of well control. Commonly used well control techniques with workover operations in mind are presented. The latest information and technologies available are used to instruct in maintaining control of the well during workover and completion operations. This program meets industry guidelines and certification is awarded upon successful completion at Fundamental and Supervisory levels. Simulators are used to conduct hands-on training for personnel attending this course.

Course content: Live Well Intervention Well Control, Complications, BOP Equipment, Killing a Producing Well, Pressure Control, Regulations, Surface / Subsurface Equipment, Kick Warning Signs, Remedial Fluids, Constant Bottomhole Pressure Methods, Stripping, Snubbing, and Coiled Tubing.

IADC WellCAP® & API Well Servicing

About the course: The IADC Well Servicing program refers to the three basic remedial operations of snubbing, wireline, and coiled tubing practices. The candidate may select any one, two, or all three of these operations after being instructed in general well control theory and procedures. The program meets accepted industry guidelines as well as IADC certification requirements.
Basic Drilling Technology

About the course: The objective of this course is to provide participants with a complete overview of drilling practices as used in the industry. Problems related to drilling are covered by providing examples, pictures, and explanations of well control. This course, developed for entry and mid-level personnel, will help participants understand drilling fundamentals. The students will also train in good communication skills. Course length can run two to three days.

Course content: Geology of Oil/Gas, Bits, Drilling Fluids, Downhole Problems, Causes of Kicks, Tripping, Directional Drilling, Logs, Casing, Well Cementing, and Abandonment.

Concepts of Mathematics and Applied Petroleum Mathematics

About the course: A large number of first timers, floorhand and derrick hand personnel who may be excellent hands on the rig, are weak in math. This program will familiarize them with basic mathematics for the petroleum industry and rig math relating to well control. Designed to be conducted prior to a basic well control course, it prepares students for classroom math like calculations, annular capacities, hole capacities, pump displacement, etc. Course length can run one or two days.

Course content: Introduction to the Calculator, Addition/Subtraction, Multiplication, Division, Fractions, Percentages, Squares/Square Roots and Powers, Measurements, Pressure, Volume and Capacity for Tanks, Decreasing and increasing Mud Weights, Gradient/Specific Gravity, Fluid Pressures, Capacities and Volumes, Pump Output and Displacement.
Volumetric Methods and Stripping Operations

About the course: This two-day course has been designed to present the basic theory of the Volumetric Method of well control, Lubricate and Bleed principles, along with Stripping Operations. The Volumetric Method of well control is used when it is not desirable or possible to circulate a kick out of a well and control pressures throughout the wellbore. The volumetric principle is applied in cases of migrating gas as well as in stripping and snubbing operations. Participants also learn the principles of the Lubricate and Bleed method used to remove gas at the surface and maintain correct pressures in the well. Stripping calculations and procedures, along with equipment requirements will be presented. There is a strong emphasis on pressure limitations and safe practices. Students learn to create a procedural checklist, work gas migration and stripping problems. Simulators are used to illustrate and demonstrate the volumetric principle.

Well Control School Textbooks

Well Control School provides textbooks for their various courses. These books are written by qualified and experienced personnel who are specially trained in a wide range of topics in the oil industry.
IWCF Rotary Drilling Well Control Program

About the course: The program consists of a Practical Assessment Exercise and Written Test papers on Equipment and Principles & Procedures for Drillers and Drilling Supervisors based on the IWCF Certification Standards. The Certification Standards are based on a detailed analysis of the well control knowledge that Drillers and Supervisors require, and the practical tasks that they have to master, in order to perform their jobs responsibly. The standards have been devised so that the measurement of their skills and knowledge can be assessed systematically. The method of assessing the performance of an individual, at both Driller and Supervisor levels, is divided into the following sections:

- A simulated practical exercise to assess practical skills
- Written test papers on Equipment and Principles & Procedures to assess knowledge based skills

The certification program comprises separate levels of tests for Drillers and Supervisors in either Surface BOP Stack operations or Combined Surface/Subsea BOP Stack operations.

WCS offers a three-day and a five-day prep course and test. Candidates are required to pass all tests in order to receive certification. The prep course covers the following topics:

- Well Control Equipment
- Kicks While Drilling/Tripping
- Shut-in Pressure Observations
- Kill Problems
- Surface Principles & Procedures
- Subsea Principles & Procedures
- Kill Sheet Information
- Well Control Management
- Surface Equipment
- Subsea Equipment
IWCF Well Intervention
Coiled Tubing, Snubbing, Wireline or Combination

About the course: The certification program is designed for equipment operators (Level.1) and Supervisors (Level.2) and covers the following operations:

- Wireline Operations
- Coiled Tubing Operations
- Snubbing Operations

The Certification Standards are based on a detailed analysis of the pressure control knowledge that Wireline, Coiled Tubing, and Snubbing personnel require to perform their jobs safely. The method assessing the performance of an individual is by written examination covering Completion Equipment, specialized Pressure Control Equipment operations, and Principles & Procedures. Each candidate is required to complete a written test paper on the following:

- Principles & Procedures
- Completion Equipment
- The operation disciplines are Wireline, Coiled Tubing or Snubbing equipment. Candidates may choose to take one, two, or all three of the operations disciplines.

Candidates should note that they must pass all nominated papers in order to gain a certificate.

WCS offers a three-day and a five-day prep course and test. The prep course covers the following:

- Barrier Principles
- Shut-in Procedures
- Pressure Control Management
- Completion Equipment
- Coiled Tubing Equipment
- Well Information
- Pressure Control Methods
- Problems
- Wireline Equipment
- Snubbing Equipment
System 21 Well Control

System 21 Well Control is IADC and API certified and approved. It contains over 2,000 topics and skills offering the highest level of training, testing, simulation, and overall employee competence to the oil and gas industry. Interactive tasks and role-playing familiarize learners with well control concepts, emphasizing correct procedures and teamwork. Computer graphics dramatically depict downhole conditions such as deepwater or horizontal drilling. As students complete each module, skill levels are recorded and progress reports are generated as the users work toward obtaining certification in Drilling, Well Completion and Well Workover, Well Servicing (Snubbing, Coiled Tubing, Wireline) and Subsea.

This course is available in English and Spanish. Course content and reports generated by System 21 also help companies conform to the standards set forth by ISO 9000 addressing training, record keeping and quality audits.

15 MODULES
- Pressure Basics
- Fluids
- Equipment
- Kick Theory
- Kick Causes
- Kick Detection
- Procedures
- Well Control Methods
- Complications
- Special Situations
- Rules, Orders & Policies
- Remedial Operations
- Coiled Tubing
- Snubbing
- Wireline

17 SIMULATIONS
- Standpipe Manifold
- BOP Closing Unit
- Driller’s Remote BOP Panel
- Choke Manifold-Surface
- Choke Manifold-Subsea
- Alarm Setting
- Slow Pump Rate-Surface
- Slow Pump Rate-Subsea
- Kill Sheet-Surface
- Kill Sheet-Subsea
- Read, Record Shut-In Data
- Pump Startup-Surface
- Pump Startup-Subsea
- Pump Startup with Monitor Line Subsea
- Driller’s Method-Surface
- Driller’s Method-Subsea
- Wait and Weight Method
**Stuck Pipe Prevention**

Stuck pipe is a multi-million-dollar problem for the drilling industry. Statistics show that lack of communication and awareness on the part of rig crews is a major factor in stuck pipe incidents. The Stuck Pipe Prevention Series (SPPS) is an interactive multimedia course designed to improve the rig team’s understanding of stuck pipe, the physical and economic impacts, and methods for preventing and freeing stuck pipe. There are six modules in this CD-ROM series: Impact, Causes, Warning Signs, Prevention, Freeing, and a Drilling Simulator.

SPPS introduces the learner to the fundamentals of stuck pipe. Interactive games and role-playing activities familiarize learners with basic stuck pipe concepts while emphasizing the use of correct procedures and teamwork. Animated computer graphics dramatically depict downhole conditions that can lead to stuck pipe.

Stuck Pipe Prevention illustrates the most common indicators of developing problems, and highlights the importance of good communication and quick action by the drilling team.

Communication and teamwork of the drilling operation are reinforced, along with techniques to help prevent stuck pipe. In addition, strong emphasis is placed on contingency planning procedures to free stuck pipe and the minimization of additional sticking. A Drilling Simulator presents scenarios that challenge the user to apply techniques learned in the various stuck pipe modules. The simulator accurately represents the drilling controls on a rig, providing valuable hands-on experience to the student.
Safety & Orientation

WCS is now offering an API, IADC Rig Pass®, and Safe Gulf approved interactive training program for use offshore or on land. This program identifies core elements of training programs for new employees. Completion confirms that personnel have met the basic requirements defined by safety and training personnel in the drilling, workover and production industry.

Our program is unique in that it incorporates various core elements of many industry agencies (like IADC Rig Pass®, API’s Recommended T-1 “Orientation for Personnel Going Offshore for the First Time,” and the US Coast Guard Maritimes Standards Committee, Annex 15, sections 5.2-5.3).

This program was created using industry led standards, teaching topics and skills needed for individual competency training and assessment. Upon completion an in-depth report is provided showing pre-test and post-test grades, time used to complete each module including repetition, and a check list of all topics and skills that have been covered. Our interactive computer program is available for use at your job site or office, at any of the WCS locations or traveling schools, or at your own in-house instruction facility.

This course is available in English, Spanish and Arabic.

General Safety
• Alcohol/Drug Policies
• Firearms/Weapons Policy
• Personnel Conduct
• Housekeeping
• Communications/Chain of Command
• Accident/Incident Reporting
• Land Transportation

Personal Protective
• Equipment
• Determining Necessary Equipment
• Head Protection
• Face and Eye Protection
• Hearing Protection
• Foot Protection
• Hand Protection
• Respiratory Protection

Hazard Communications and Material Handling
• Haz-Com
• Transportation of Hazardous Materials
• Release of Hazardous Materials

Occupational Health
• Service Contractor
• Employee’s Responsibilities
• Other Health Hazards

Hazwhopper
• Marine Debris
• Alternative Cutting Tools

Specialized Work Procedure
• Hazardous Energy Control
• (Lock-Out/Tag-Out)
• Work Permits
• (Confined Space/Hot Work)
Fire Safety
• Prevention
• Employee Responsibilities

Material Handling
• Mechanical Equipment
• Personal Lifting Technique

First Aid
• General
• Bloodborne Pathogens

Rig/Platform Environment
• Platform/Location Arrival
• Home Away from Home
• Site Orientation

Emergency Response
• Arrival at Shore Base
• Helicopter/Boat
• Transportation
• Swing Ropes
• Personnel Baskets

Water Safety
• Personal Flotation Devices
• Survival Craft
• Standby Rescue-Vessel

**Production Safety Systems**

Production Safety Systems Training (PSST) is a self-contained interactive and simulation program providing required T-2 Training Certification. PSST can have a significant impact on a company’s bottom line. The inherent portability of the system means training may take place anywhere, at any hour. Reductions in travel cost, use of contract instructors, and employee overtime results in big savings. Underutilized discretionary time becomes productive time. The average user completes the course in 15 hours.

A database maintains student records and tracks each student’s progress. Random testing and security ensure that each student completes his training. Reports may be generated, and certificates and wallet cards for students may be printed upon completion of the course.

**Offshore Crane Operations**

Persons operating cranes on offshore oil and gas production platforms and rigs in US waters are required to undergo Offshore Crane Operator Qualification Training. This program offers seven interactive training modules that cover aspects of the American Petroleum Institute Recommended Practice 2D (API RP2D) guidelines, including a 3-dimensional simulated crane with joystick operation that models the real world actions of a crane. This CD-ROM based interactive training can be delivered offshore or onshore. Qualifying operators are still required to make 2 live lifts to demonstrate competence.

The course modules are: Vision Testing & Introduction; Components, Wire Rope Use, Construction and Maintenance; Rigging and Communication; Inspection; Crane Maintenance; Logs and Records; Crane Controls; Operation and Safe Procedures; Evaluations (randomized from a 100-question pool) and the Simulator.

A record-keeping database, managed by a Training Administrator, is built into the program. Many users complete this interactive program in four hours or less, reducing training time by half the typical time of classroom instruction.

After completing this course, the learners should be ready to demonstrate their competence by performing a live pre-use inspection and 2 lifts while under supervision.

Modules are accompanied by a comprehensive CD-ROM and Training Administrator Guide with all pertinent information about installing and running the series, answers to the test questions and how to use the record keeping database.

**Living the 24-Hr Lifestyle**

Fatigue and poor alertness management cause many accidents and near misses. Living the 24-Hour Lifestyle is an interactive CD-ROM program which helps the user anticipate low levels of alertness and enhance alertness levels when necessary. Alertness levels greatly affect job performance and personal safety. After completing this approximately 60-minute course, the user will have the tools needed to manage alertness levels while working and driving, as well as while under the stress of extended-hour schedules. The student will also learn how to better manage his schedule, work and living environment. When using these tools, the results will be enhanced safety, better performance and a higher overall quality of life.

The information is presented in short interactive exhibits that are accessed by visiting one of five 3-dimensional environments. The titles
of the four main spaces are Circadian Rhythms, Alertness Switches, Strategy and Control and Lifestyle Planner. Each of these sections has a quiz that tests for understanding and retention of information. The fifth and final environment contains a comprehensive test that checks the student’s understanding of the entire program. Users must pass the test to receive credit for completing the module.

**Quiz Maker**

WCS is pleased to offer Quiz Maker, which is a computer program that generates custom examinations for well control applications. With Quiz Maker, managers and supervisors can create exams that may be used as training and evaluation tools. Quiz Maker also helps companies to meet the requirements set by the Minerals Management Subpart O training regulations for continuous testing and on the job training.

Supervisors, training departments and independent auditors can select the type of questions to be compiled in the quiz based on course level (introductory, fundamental or supervisory), BOP stack qualification and certifying agency. The questions can be focused on any specific area of well control desired. Administrators are then allowed to select the number of questions in any subject area that they wish to have included in the exam.
Once the administrator has defined the parameters of the quiz and the quiz has been generated, users are allowed to log-in and take the exam. As users answer the questions, any incorrect answer will direct the student into a remediation section that covers the area specific to the question missed. A final report shows the topics and skills that have been administered and assessed along with a final grade. This report offers companies a powerful tool to measure retention levels of training and to identify areas where additional training should be directed. Quiz Maker can easily be used in field locations, offices and training centers.
Domestic Training Locations

Instructor Led and e-Learning with System 21

Houston, Texas

Lafayette, Louisiana

Laurel, Mississippi

Rock Springs, Wyoming

WCS Houston - Days Hotel
500 N. Sam Houston Pkwy 8 East, 2nd Floor
Houston, TX 77060

WCS Lafayette - Comfort Inn
1421 SE Evangeline Thwy, 1st Floor
Lafayette, LA 70501

WCS Laurel
1618 Old Amy Rd.
Laurel, MS 39440

WCS Rock Springs - Gateway Office Center
79 Winston Dr, Suite 229
Rock Springs, WY 82901
Course Schedules for Domestic Training Centers

Instructor Led IADC/API Classes
Houston, TX - Lafayette, LA - Laurel, MS
All courses start at 7:00 am on Mondays.
Course duration is from 3 days to 5 days, depending upon course taken.
Subsea courses take about a half day longer and take place on Friday.

Rock Springs, WY
All courses start at 7:00 am.
3 day Drilling course offered, starting Mondays and Thursdays.
4 day Drilling/Workover Completion course offered one week of each month, starting on Mondays.
Offered on specific dates
See schedule at www.wellcontrol.com for course dates.

Traveling School
See schedules and locations for Mid-Continent and the Rockies Traveling Schools or print one out from www.wellcontrol.com.

Instructor Led IWCF Classes
Lafayette, LA Location
All courses start at 7:00 am on Mondays.
Courses are held the first and last week of each month.
Course duration is 5 days

E-Learning with System 21 at Domestic Training Centers
7:00 am - 5:00 pm Monday-Friday
Course duration is from 1 day to 5 days, depending upon course taken and the individual student’s learning pace.
Enrollment & Contact Information for Domestic Training Centers

To enroll in Instructor Led and/or Computer Based Training courses in the United States, please call our Houston office at 713-460-4605

or

E-mail: enrollments@wellcontrol.com

Well Control School Office Headquarters

4500 South Pinemont Dr.
Houston, TX 77041
Tel: 713-460-4605
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E-mail: staff@wellcontrol.com

Enrollment & Contact Information for International Training Centers

International course schedules will vary by country.

Please contact the school directly for enrollments, course schedules and additional information.

For training information in Mexico, please contact our Venezuelan Office at +58-261-718-0570.

WWW.WELLCONTROL.COM
INTERNATIONAL TRAINING LOCATIONS

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Av. 1B - Casa Nro. 72A-77
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