



BLOWOUT PREVENTION (BOP) AND WELL CONTROL



COURSE OVERVIEW

This comprehensive training course provides participants with the essential knowledge and practical skills required for effective blowout prevention and well control during drilling, workover, and well-intervention operations. The course covers fundamental and advanced concepts, including kick detection, pressure control, BOP equipment, and well kill methods. Participants will gain hands-on experience and develop proficiency in managing well control situations according to international safety and regulatory standards (API, IADC, IWCF).

The course is designed to enhance the ability of field personnel to prevent, respond to, and manage well control incidents to ensure operational safety and environmental protection.

DATES, VENUES AND FEES



16 – 20 November 2025 - Dubai

(5 Days)

Fees

US\$ 5000

Note: Fee is per participant + 5% VAT (if applicable).

Groups from the same company can enjoy a **discounted** price.

WHO SHOULD ATTEND?

This course is appropriate for a wide range of professionals but not limited to:

- Drilling and workover engineers
- Drilling supervisors, toolpushers, and company representatives
- Drillers, assistant drillers, and rig floor personnel
- Wellsite geologists and mud loggers
- Completion and well intervention engineers
- Safety officers and HSE professionals involved in wellsite operations
- Personnel preparing for IADC or IWCF well control certification

CONTACT US NOW

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ACCREDITATION



This training course is certified by CPD.

The CPD Certification Service is the leading independent CPD accreditation institution operating across industry sectors to complement the Continuing Professional Development policies of professional institutes and academic bodies. The CPD Certification Service provides support, advice, and recognised independent CPD accreditation compatible with global CPD principles. CPD is the term used to describe the learning activities professionals engage in to develop and enhance their abilities and keep skills and knowledge up to date. CPD Units are only awarded to programmes after each programme is scrutinised to ensure integrity and quality according to CPD standards and benchmarks.

COURSE CERTIFICATE

MSTC certificate will be issued to all attendees completing a minimum of 80% of the total tuition hours of the course.

CPD internationally recognized certificate will be issued for all participants who will meet the course requirements. CPD certificates will be issued within a month of the successful completion of the course.

TRAINING METHODOLOGY

- Expert-led sessions with dynamic visual aids
- Comprehensive course manual to support practical application and reinforcement
- Interactive discussions addressing participants' real-world projects and challenges
- Insightful case studies and proven best practices to enhance learning

LEARNING OBJECTIVES

By the end of this course, participants should be able to:

- Understand the causes and warning signs of kicks and blowouts.
- Calculate and interpret well pressures and control parameters.
- Identify, operate, and maintain various BOP equipment and control systems.
- Perform shut-in procedures safely and efficiently.
- Apply appropriate well kill techniques and procedures for different well control situations.
- Comply with industry regulations and safety standards regarding BOP and well control operations.
- Respond effectively to emergency well control scenarios.

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COURSE OUTLINE

DAY 1

Introduction to Well Control and Blowouts

- Pre test
- Overview of well control and BOP importance
- Causes and consequences of kicks and blowouts
- Primary and secondary well control concepts
- Pressure basics: hydrostatic, formation, fracture, and bottom-hole pressure
- Kick indicators and detection techniques
- Kick tolerance and risk assessment

DAY 2

Blowout Prevention Equipment and Systems

- Introduction to BOP systems: types and functions
- BOP stack components (annular, ram preventers, choke and kill lines)
- Control systems (accumulator units, remote panels)
- Choke manifold design and operation
- Diverter systems and shallow gas control
- BOP maintenance, testing, and certification requirements

DAY 3

Shut-in Procedures and Pressure Control

- Kick detection response and decision-making process
- Shut-in methods (soft vs. hard shut-in)
- Surface and subsea BOP shut-in procedures
- Calculating shut-in drill pipe and casing pressures (SIDPP, SICP)
- Determining maximum allowable annular surface pressure (MAASP)
- Pit gain and kick volume estimation

DAY 4

Well Kill Methods and Advanced Techniques

- Overview of well kill strategies
- Driller's method step-by-step
- Wait and weight method
- Volumetric method for gas migration control
- Bullheading and special scenarios
- Stripping and snubbing with closed BOP
- Kill sheet preparation and practice calculations

DAY 5

Emergency Response, Regulations, and Final Assessment

- Emergency well control procedures
- Crew roles and communication during well control incidents
- Industry regulations and compliance: API RP 53, IADC, IWCF
- Safety and environmental considerations
- Group exercises
- Course review and Q&A
- Post test

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