



[IADC WellCAP Well Control Course \(Introductory\)](#)

Delivery Method	:	Classroom and Field Training (English)
Fee	:	Available on request
Location	:	PetroTalent, Pune INDIA
Seats	:	15
Duration	:	4 days

Course Information

Overview

Personnel involved in drilling/well control operations who may be attending well control instruction and assessment for the first time.

Introductory training designed to give potential well control certification candidates an awareness of well control theory, practices and equipment in order to prepare them for testing.

Training Outline

INTRODUCTION- BASIC OVERVIEW

LESSON ONE; CAUSES OF KICKS

- 1. Objectives**
- 2. Primary Control**
- 3. Causes of Mud Hydrostatic Reduction**
- 4. Increase in Formation Fluid Pressure**
- 5. Recap of Primary Control**

6. Intentional Kicks

LESSON TWO: KICK WARNING SIGNS

- 1. Objectives**
- 2. Kick Warning Signs**
- 3. Improper Fill Up When pulling Out**
- 4. Improper Displacement When Running In**
- 5. Gas in the Mud**
- 6. Increased Drilling Rate**
- 7. Increased Drill String Torque**
- 8. Increased Drill String Drag**
- 9. Increased Number and Size of Cuttings**
- 10. Decreasing Shale Density**
- 11. Drilling Fluids**

LESSON THREE; KICK INDICATORS

- 1. Objectives**
- 2. Secondary Control**
- 3. Kick Indicators**
- 4. Excess Flow From Well When Tripping**
- 5. Return Flow Rate Increase When Pumping**
- 6. Pit Gain**
- 7. Drilling Breaks**
- 8. Flow From the Well With Pumps Off**
- 9. Permeability Effects Kick Speed**

LESSON FOUR: SHUT IN PROCEDURES

- 1. Objectives**

2. Shut In Procedures
3. Soft and Hard Shut In
4. Stable Rig Shut In With Bit on Bottom
5. Stable Rig Shut In When Tripping
6. Floating Rig Shut In
7. Diverter Procedures
8. Methods of Killing
9. Shut In Drill Pipe Pressure (SIDPP)
10. Shut In Casing Pressure (SICP)
11. Recap of Shut In Procedures
12. Slow Pump Rate
13. Slow Circulating Rate Pressure
14. Choke Line Friction Pressure
15. Circulating Pressure
16. Recap on Pressure

LESSON FIVE: KILL METHODS

1. Objectives
2. Methods of Killing
3. Constant Bottom Hole Pressure
4. The Adjustable Choke
5. Start Up Procedures
6. Driller's Method
7. Wait and Weight Method
8. Wait and Weight Method II
9. Comparisons of Kill Methods
10. Gas Kicks
11. Gas Migrations
12. Recap of Secondary Control
13. Example of Driller's Method

14. Example of Wait and Weight

LESSON SIX; BOP EQUIPMENT

- 1. Objectives**
- 2. Secondary Control Equipment**
- 3. Instrumentation**
- 4. Trip Monitoring Equipment**
- 5. Annular Preventer**
- 6. Inside Preventer**
- 7. Surface Preventer**
- 8. Diverters**
- 9. Pipe Rams**
- 10. Blind and Shear Rams**
- 11. Adjustable Chokes**
- 12. Choke Manifolds and Valves**
- 13. Safety Valves**
- 14. Accumulator Control Systems**
- 15. Drilling Spools**
- 16. Seal Rings and Ring Grooves**
- 17. Casing Heads**
- 18. H₂S Trim and Wear Bushings**
- 19. Rotating Heads and Kill Lines**
- 20. Mud Gas Handling Equipment**
- 21. Pit Levels and Flow Monitors**
- 22. Mud Mixing Systems**
- 23. Stack Design I**
- 24. Line Up While Drilling**
- 25. When to Test**
- 26. Completion Equipment**

Training Venue

The course will be held at a PetroTalent less than a 5 minute drive, or within walking distance, to the hotel(s) listed below.

Accommodation:

PetroTalent is equipped with excellent guest house facility for your employees at very reasonable rate. For more details contact sharad.petrotalent@gmail.com.

Batch : Available on Request

Fees : Available on Request.