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## Derrickhand Competency on Rig Floor

Delivery Method	:	Classroom and Field Training (English)
Fee	:	Available on request
Location	:	PetroTalent, Pune INDIA
Seats	:	15
Duration	:	20 days

### Course Information

#### Overview

This twenty day intensive hands-on course certifies and prepares students to work as a Derrickhand on Rig Floor. It is a physically demanding program that provides a practical, hands-on, challenging training environment. Students acquire the mental and physical conditioning with an emphasis on safety. The course content includes knowledge and skills in Safety Topics, Working in the Derrick or Mast, Understanding the Cementing procedure, Working with the Solids Control Equipment, Working in Sack / Chemical Room and Maintaining Mud Properties.

#### Training Outline

Upon completion of this twenty day training with PetroTalent, student should be able to:

1. Demonstrate clear understanding of role and responsibilities of Derrickhand on rig floor and
2. perform basic Derrickhand tasks safety and competently

When student finish this training to the instructor's satisfaction, he/she will have to successfully complete a final test. This final test will be based on the training which was imparted and also to verify the knowledge of the student of topics in the training programme.

Topics covered in this training programme are:

- General Safety Topics while working on Rig Floor
- Working in the Derrick or Mast
- Running and Cementing Casing
- Working with Solids Control Equipment
- IWCF Rotary Drilling Introductory Well Control
- Maintaining Mud Properties
- Learning and Practical Training for making a Hole
- Drilling fluids
- Drilling a Straight Hole
- Casing and Cementing
- Well testing and Completions
- Principles of Drilling Fluid Control
- Mud Pump Maintenance
- Arithmetic for Derrickhand
- Formation Evaluation Completing the Well
- Coring operations for Oil & Gas Industries
- Working safely around track mounted drilling machines
- Special Operations & The Future

Students will also experience making a connection, making a trip in and out of the hole, caring and use of tongs, what are slips and laying down pipe. Students will complete an exercise following each video program.

Video Programs:

Making Hole

Care and Use of Tongs

Laying Down Pipe

Making a Connection

Making a Trip

Safe Practices in Marine & Offshore Drilling & Workover

Handling and Running Casing

Supporting tools for delivering this course ( video, slides and powerpoint multimedia presentations ) help show practical application at work. General Safety, Safety Programming and safe operation in handling of equipment will also be discussed throughout the program.

(IWCF) International Well Control Forum Well Control accreditation for Introductory Level Drilling, Workover and Completions

HSE RIG PASS® accreditation

The HSE RIG PASS accreditation system is designed to meet two requirements:

To identify core elements of training programs for new rig employees, and

To provide a means of recognizing programs that adhere to those elements

An effective safety orientation program is a vital element in today's energy industry. RIG PASS® has developed a standard core curriculum that is world-class. The curriculum was established by the drilling industry's leading professionals and prepares employees for almost any operating environment, at almost any site, onshore or offshore. RIG PASS® has been awarded to oil & gas companies worldwide from Europe to Australia, Canada and the United States. The program was developed and is administered by the International Association of Drilling Contractors, a worldwide organization comprising of contractors, producers and service companies in the energy industry.

A RIG PASS® card shows the bearer has completed RIG PASS® instruction with offshore endorsement as defined by the drilling industry's leading safety and training professionals. Students will complete this program followed by a written exam he or she must pass. The curriculum includes 12 basic modules applicable to any operation.

General Safety

Materials Handling

Personal Protective Equipment

First Aid

Hazard Communications and Materials Handling

The Worksite Environment

Occupational Health

Emergency Response

Specialized Work Procedures

Offshore Transportation

Fire Safety

Emergency Response

RIG PASS® is referenced in both API RP59 “Recommended Practice for Well Control” and RP 64, “Recommended Practice for Diverter Systems, Equipment and Operations.”

#### Fall Protection

What is fall protection? When to use fall protection and the different types of fall protection e.g. entering confine spaces, heights including working in the derrick and working over the side. Demonstration of proper utilization of fall arrest systems and its components e.g. safety or inertia reels, safety lines, harnesses and lanyards

#### Basic Fire Safety:

What is fire? This program will also review the causes and prevention of fires. Training in the utilization of various types of extinguishing agents and extinguishers used in fighting fires. Students learn about offshore fire teams, their duties, what to expect being a member of such a unique team and fire drill participation.

#### Confined Space Entry:

Student will learn the knowledge and skills required to identify, plan and execute entry into a confine space area e.g. tanks including P-tank pre load, spud, ballast, pit, and crane columns. Students learn preparation of work procedures and entry permits, atmospheric testing and proper (PPE) personal protective equipment.

#### H2S Awareness:

This program will introduce students to H2S properties and environments. How to properly protect yourself using hands on demonstration of donning self contained breathing apparatus (SCBA) and demonstrating the use of (multi - meter) personal portable monitors for detection and hands on rescue techniques. Analysis of hydrogen sulfide case studies

#### Forklift Operator Safety Training:

This program will review the OH&S regulation for forklift. Students will learn forklift theory, general safety rules e.g. refueling lift trucks, battery charging and recharging, pre operational checks, operational checks and practical hands on competency training.

#### Standard First Aid & CPR:

This program will cover the standard level of First Aid training requirement using practical hands on and scenario situations.

#### HAZMAT

this course covers the Workplace Hazardous Information System. This system will cover introduction and recognition of WHMIS controlled products, its labels, MSDS and responsibilities, worker education programs, personal protective equipment, terms and regulation .

#### (OH&S) Occupational Health & Safety:

This course will explain the Act and Regulation to those who work in a occupational working environments. Included throughout safety courses.

Students require a medical stating they are physically fit to participate in the practical training provided in this program. Students may opt out of the practical function and continue with classroom instruction as this program will benefit those interested in the service and supply end of the industry. Tradesmen who want to learn more about the industry will also benefit with this program as all applications of the drilling processes are covered.

#### 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.

#### Recommended Hotel(s)

PetroTalent Guest House

Batch : Available on Request

Fees : Available on Request.