

RIG INSPECTION FOR HSE PERSONNEL

DRL030

COURSE DESCRIPTION

Rig inspection and safe personnel is designed to improve the knowledge of drilling supervisors and drilling engineers, drilling managers, rig managers, rig HSE & training officers, maintenance supervisors etc. To identify the basic maintenance procedures and understand nonproductive time NPT risks, at the end of course delegates will also gain increased knowledge of rig equipment and an appreciation of the industry standards underpinning rig safety systems.

COURSE GOAL

To ensure equipment integrity lead to optimum performance of rig, reduce downtime and maintain safety of your personnel.

COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Independently carry out rig mini audits to cover all rig site units and equipment.
- Check list format for major equipment
- Perform basic (visual) rig inspection.
- Perform professional rig acceptance and commissioning for upcoming Rigs.
- Describe the main inspection criteria for major equipment.
- Identify the major items that have an impact on the safety and operation of a rig.
- Recognize the indicators of overall condition of a drilling rig.
- List the relevant standards (such as API) and their implications for drilling equipment.
- Understand the basics of EX equipment installed in hazardous area.
- Evaluate basic maintenance and inspection procedures on the rig to identify compliance with good work practices and industry standards.
- Understand the basic of well control equipment operation.

WHO SHOULD ATTEND

- Drilling engineers.
- Drilling supervisors.
- Senior engineers and team drilling engineering's/ operations.

COURSE DURATION

5 Working Days

COURSE OUTLINES

- API Requirements for rig operation
- Hazardous area classification
- Rig Equipment
- Multiple examples of good and bad practices including photos
- Chemical safety
- Rig Hydraulics
- Dropped object prevention.
- Inspection and maintenance schedules
- Drilling equipment
 - Drawworks
 - Rotary table
 - Top drive
 - (Independent) Swivel
 - Crown block
 - Traveling block
 - Driller's console
 - Derrick
 - Air winches
- Lifting and handling equipment
- Mud processing equipment
- Drilling and safety equipment
- Pollution control
- Engine room and power plant
- Diesel engines
- Emergency generators
- Air compressors
- Cranes
- Electrical equipment
- Well control equipment

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