

MANAGING WELLSITE OPERATIONS

DRL018

COURSE DESCRIPTION

Drilling and service personnel struggle daily with the oil and gas industry's inexperienced labor force. This lack of experience at the wellsite results in excessive non-productive time, trouble time, and invisible lost time. These, in turn, lead to unsafe incidents and excessive costs to the operator, the contractor, and the service industry.

This course teaches participants to apply organizational learning processes, wellsite technical limits analysis, and more efficient use of all resources at the wellsite. Good well planning is essential. Participants will learn how to mitigate hidden risks that often are overlooked during the planning, design, and execution phases of a drilling operation. They will learn how to dissect and analyze an operational plan. In addition, applying operational innovations and advanced motion and time processes will lead to improved efficiency of wellsite rotary operations and individual wellsite tasks.

This course brings together a documented planning and design process, maximizes drilling efficiency, and transfers the execution plan to the wellsite for implementation. Participants will learn to build effective teams by using a case study and applying the skills of the company representative, drilling contractor, and service company personnel. Critical issues are identified and analyzed to maximize safety and reduce drilling costs. Similarly, engineering, technical service, and drilling contract personnel learn to analyze inefficient practices at the wellsite and utilize their newfound skills to improve the operation.

Drilling organizations are using new and complex drilling technology to maximize return on capital costs. Combine the known variables with the influx of inexperienced personnel in the planning, design, and execution phases and you have high cost and unsafe operations at the wellsite.

COURSE OBJECTIVES

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

- Define a well's technical limit and implement a plan that will work to reach it
- Identify and mitigate hidden risks to reduce lost time
- Apply practical organizational learning techniques to benefit from lessons learned
- Build effective rig site teams.

WHO SHOULD ATTEND

- Operations managers
- Drilling managers
- Drilling superintendents
- Drilling supervisors
- Wellsite drilling engineers

- Rig managers
- Rig superintendents
- Contract drilling engineers.

COURSE DURATION

5 Working Days

COURSE OUTLINES

- Pre course evaluation.
- Critical elements of effective planning and management of drilling operations.
- Design and implement a program "checklist" for critical well drilling operations.
- Investigation of various elements of a drilling operation and mitigate visible and hidden risk.
- Investigation of and analysis of:
 - Trouble time events.
 - Non-productive time occurrences.
 - Invisible lost time for a drilling operation.
- Total task analysis and drilling planning of wellsite activities.
- Organizational learning systems and transfer lessons learned.
- Perform technical limit analysis to improve wellsite performance.
- Performance measurement and monitoring of the drilling operation .
- Maximize the inexperienced resources through total task analysis in a case study to reduce drilling costs and improve safety.
- Post course evaluation.

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