Managing Well site Operations

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Introduction:

Drilling and service personnel struggle daily with the oil and gas industry's inexperienced labor force. This inexperience at the well-site 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.

Managing Well-site Operations teaches participants to apply organizational learning processes, well-site technical limits analysis and more efficient use of all resources at the well-site.Good well planning is essential. However, in spite of very good planning and design there exist geological and reservoir uncertainties, surface and down-hole environmental constraints, failed equipment, and misunderstood practices coupled with inexperienced wellsite personnel that are creating unsafe work conditions and driving up drilling cost. Participants will learn how to identify and mitigate hidden risks that often are overlooked during the planning, design and execution phases of a drilling operation. The participant 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 well-site rotary operations and individual well-site tasks. Participants will be introduced to models, templates, techniques, and real case studies that can be used on the job.

This course brings together a documented planning and design process, maximizes drilling efficiency and transfers the execution plan to the well-site 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 well-site 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 well-site.Mastering the drilling operations at the well-site will reduce costs, improve drilling budgets and maximize resources.

Objectives:

You will learn how 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

Certificate:

BTS attendance certificate will be issued to all attendees completing minimum of 80% of the total course duration.

Methodology

This interactive Training will be highly interactive, with opportunities to advance your opinions and ideas and will include;

- Lectures
- Workshop & Work Presentation
- Case Studies and Practical Exercise
- Videos and General Discussions

Course Outline:

- Critical elements of effective planning and management of drilling operations.
- Design and implement a program "checklist" for critical well drilling operations.
- Investigate various elements of a drilling operation and mitigate visible and hidden risk.
- Investigate and perform an analysis of trouble time events, non-productive time occurrences and invisible lost time for a drilling operation.
- Dissect the drilling plan and apply total task analysis to wellsite activities.
- Enhance your knowledge of organizational learning systems and transfer lessons learned.
- Perform technical limit analysis to improve wellsite performance.
- Measure and performance monitoring of the drilling operation.
- Maximize the inexperienced resources through total task analysis in a case study to reduce drilling costs and improve safety.