Drill Well On Paper

Drilling the well on paper (DWOP) is the process of analyzing each step of the well construction process to generate ideas for improving performance and reducing cost. As with any simulation, the process takes us to the brink of reality while maintaining a controlled environment. Drilling the well on paper allows exposures to be identified in a setting where excessive risks do not become actual losses. The DWOP workshop explores opportunities where non-productive time can be eliminated or risks reduced by dissecting the proposed program and sharing experiences. The last aspect of the DWOP never fails to impress as the average DWOP group contains in excess of 500 years of experience. Tapping into five centuries of experience is important not only because it improves performance, but also because it trains new talent.

Features and Benefits

• Analyze each step of the well construction process to help improve performance or reduce cost
• Identifies exposures before you start drilling the well
• Identifies opportunities where NPT can be eliminated or risks reduced
• Two services offered, Boots & Coots reviews your drilling program or we participate in your DWOP review as SME
• Lessons learned shared

During the DWOP, the SME reviews the well plan drilling program to help ensure it meets industry best practices. The DWOP review is an engineering analysis of the mechanical design and operational drilling plan for any well that meets the critical well definition. The primary purpose of the DWOP review is to provide reasonable suggestions to the company's engineering operations group involving meaningful well control issues.

Boots & Coots will focus on mechanical and operational aspects of well control related matters such as casing design, mud densities, well control equipment ratings and other operational procedures related to well control issues.

With DWOP, each team's targets are checked against those of the entire group and a consensus is reached. The first definition is the technical limit for each activity or minimum time required to complete each task in a best man/best day scenario. Next a realistic target based on the best past performance is established, which becomes the performance benchmark for the well. The simulation environment gives people the luxury of time to think about operations without the pressure of being on the rig and without the pressure of having to make instant decisions. A significant benefit is the creation of a team atmosphere that helps eliminate silos.

Once the project has been completed, the closeout meeting enables the operator to review service company performance and transfer lessons learned.

Please note Boots & Coots does not endorse participation as SME in a DWOP Workshop that we are facilitating.

For more information, please contact boots-coots@halliburton.com.