Stuck Pipe Course

Outline

Understand causes of unscheduled events: taking risks to save money or time and poor communication; factors that can contribute to poor communication; how to promote better communication.

Understand the basic concepts of the following: Stuck pipe, Stuck pipe mechanism, Differential sticking, Mechanical sticking including Packoff and bridging and Wellbore geometry.

Preventing Stuck pipe through good practices of Hole cleaning.

Freeing Stuck pipe using Drilling Jars; understand the importance of where the Drilling Jar is placed in the Drill string depending on differential or mechanical sticking issues.

Understand that our methodology of teaching the causes of Stuck pipe will be presented in detail using the following approach: Definitions, Characteristics, Warning signs, Preventive measures, Corrective actions, Summary.

Detailed discussion of Differential sticking.

Detailed discussion of Mechanical sticking including Packoff & bridging: downhole junk, cement blocks, green cement & Wellbore geometry: Under-gauge hole, Ledges & Doglegs, Keyseating, Collapsed casing.

Understand that Stuck pipe becomes a secondary concern when a Well control issue occurs.

Course review test question competition.

Understand that our methodology of teaching the types of geologic formations that can result in mechanical sticking will be presented in detail using the following approach: Definitions, Characteristics, Warning signs, Preventive measures, Corrective actions.

Detailed discussion of the types of geologic formations that can result in mechanical sticking including: Unconsolidated, Mobile, Fractured/Faulted, Reactive, Tectonically stressed, Over-pressurized shale.

Course review and final written test.

Completion of course.