



Case Study

Spitfire™ Release Tool Performs Flawlessly in Greaseless Wireline Campaign



Challenge – Greaseless Wireline

A customer in North America Land was using greaseless wireline to enhance and optimize their pump-down plug and perf operations. Since they were running full strength in cable head, it would not be possible to break the mechanical weak point in the event of a stuck tool. As Standard Operating Procedure (SOP), a release tool was to be run below the cable head and the CCL.

Solution – The Spitfire™ Release Tool

To achieve maximum efficiency, the operator utilized ISI's Spitfire™ Release Tool. Spitfire™ is a ballistic release technology that provides a reliable option for detaching from the stuck tool string on command.

Spitfire uniquely uses a Frangible joint at the heart of the tool which allows for extreme robustness and operational reliability. To disconnect, a specific code is sent from the surface to an addressable switch in the tool which then initiates a detonator and booster combination to provide the power to sever the frangible joint. Following separation, the upper portion of the tool is free to be extricated with the cable and rope socket. The lower portion of the tool is parted leaving a standard fishing neck. Both external and internal profiles provide clean access to the stuck tool string for subsequent fishing runs.

Value to Customer – Saving Time and Expense in the Recovery Process

- During the customer campaign, 9 successful releases with 100% success allowed for efficient and clean retrieval of the tool string using a conventional fishing overshot.

