New Extended Reach Spear Delivers Cut and Pull Efficiencies Saving 1.6 days of Rig Time in the UK North Sea

The introduction of a new Extended Reach Spear (ERS) that has a wide opening diameter range, can be engaged and disengaged on-demand an unlimited number of times provided significant efficiencies in a 9 5⁄8 inch casing recovery operation.

**CHALLENGE**
A customer required an efficient, single trip solution for 9 5⁄8 in. casing cut and recovery using a Hydraulic Workover Unit (HWU) on an ongoing platform well abandonment campaign. Additional complexity, in this case, included re-entry into a damaged casing stump.

**SOLUTION**
WIS recommended and introduced new technology, the ERS, to tension cut and pull 9 5⁄8 inch casing in a single trip. The use of the ERS also eliminated two dedicated runs that would have required using conventional techniques to dress and re-enter the damaged casing stump.

**RESULT**
- Successful introduction of a new Extended Reach Spear (ERS) in a well abandonment application.
- A true trip saving solution provided.
- 1.6 days of rig time saved.
- Customer recognition and appreciation received.

**Trip Saving new technology by Wellbore Integrity Solutions (WIS) was successfully used in an ongoing Well Abandonment campaign.**
A UK North Sea customer wanted to improve efficiencies and save trips when cutting and pulling 9 5⁄8 inch casing. The WIS team in the UK recommended the use of a recently developed Extended Reach Spear (ERS) to tackle this challenge. This solution offered numerous operational efficiencies and benefits, including:

- A short and easy to handle, rotary cut and pull BHA, with the ERS, placed directly behind the pipe cutter, ideally suited to the Hydraulic Workover Unit (HWU) used on the platform.
- The ability to hold casing in tension while cutting, facilitating both cutting and recovery in a single trip.
- On-demand hydraulic activation, with unlimited activation and deactivation cycles.
- A wider range of opening diameters for operational flexibility, without tripping.

Additionally, in this case, the casing stump had an irregular profile that conventional spears could not enter and engage. The use of the ERS eliminated this issue and saved two dedicated trips to dress off the casing stump.