

ProMAXX-Hydraulic Spear* Delivers Cut and Pull Efficiencies that Saved 1.6 days of Rig Time in the UK North Sea

The introduction of a new ProMAXX-Hydraulic Spear that has a wide opening diameter range that can be engaged and disengaged on demand an unlimited number of times, providing 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 ProMAXX-Hydraulic Spear, to tension cut and pull 9 5/8 inch casing in a single trip. The use of the ProMAXX-Hydraulic Spear 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 ProMAXX-Hydraulic Spear 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 UK's WIS team recommended using a recently developed ProMAXX-Hydraulic Spear to tackle this challenge. This solution offered numerous operational efficiencies and benefits, including:

- A short, easy-to-handle, rotary cut and pull BHA, with the ProMAXX-Hydraulic Spear, 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.

In this case, the casing stump had an irregular profile that conventional spears could not enter and engage. Using the ProMAXX-Hydraulic Spear eliminated this issue and saved two dedicated trips to dress off the casing stump.



The ProMAXX-Hydraulic Spear passed through the damaged stump successfully



Casing cut in tension



ProMAXX-Hydraulic Spear, post run condition



ProMAXX-Hydraulic Spear

Pipe Cutter

Taper Mill



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