

Fishing Operation Results in the Successful Recovery of a High-Value BHA and Restores Wellbore Access

The WIS team in Australia completed a fishing operation that saved significant cost to the customer, including a drilling BHA valued at \$4.8 million.

CHALLENGE

A customer required the recovery of a stuck 8½ inch directional drilling assembly from a deviated well. The rig had been jarring on the stuck BHA for 48 hours prior to the WIS fishing supervisor's arrival on location. The risks of being unable to recover the fish was high.

SOLUTION

WIS mobilized an experienced fishing supervisor and the necessary equipment on short notice. The controlled backoff and washover operations were conducted successfully. A fishing assembly that included, the TMC jar and accelerator was deployed to deliver maximum downhole energy. This resulted in the prompt recovery of the fish.

RESULT

- Successfully retrieved the stuck rotary steerable, Penta combo logging, and directional drilling BHA.
- Saved the customer an approximate lost-in-hole cost of \$4.8 million.
- Restored access to the original wellbore interval, which had already been drilled to section TD.
- A high degree of customer satisfaction was recognized.



Wellbore Integrity Solutions (WIS), Australia, in cooperation with the customer, successfully retrieved a complex directional assembly.

WIS was mobilized to provide fishing expertise to recover a stuck 8½ inch directional drilling assembly on a deviated production well. The section had been drilled to a TD of 2705 m, and the BHA had become stuck while tripping out of the hole at 2234 m. No rotation of the drill pipe was achievable, but full circulation was possible. The rig had initially been jarring with a 5⅞ inch drilling jar for 48 hours with no success.

On arrival at the rig location, a blind backoff had to be performed as the required wireline equipment was unavailable. The backoff was successfully accomplished just above the drill collars on the BHA, recovering the HWDP and drilling jar. The drilling jar was replaced with a larger size and jarring re-commenced; however, the fish remained stuck.

A second backoff was carried out above the drill collars, and a washover assembly was then deployed to clear the wellbore above the top stabilizer.

A Wellbore Integrity Solutions TMC fishing jar and accelerator were used on the second fishing run to maximize downhole energy at the stuck point. After 13 impacts from the fishing jar, the directional BHA came free with drag gradually reducing during the first stands.

The high-value directional BHA was successfully recovered and wellbore access restored. This cost-saving to the customer as a result of this successful fishing operation was recognized and highlighted.

