

A Successful Fishing Workover Application in Colombia Includes the Recovery of Six Packers and Reduces Operational Time by Three Days

Utilizing Wellbore Integrity Solutions' experience in fishing operations, a complex completions string recovery was planned and successfully executed, saving three days of rig time.

CHALLENGE

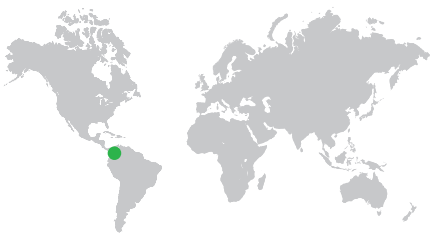
A planned workover required the recovery of a complex completion string consisting of six retrievable packers, three inside 9 $\frac{5}{8}$ in. casing, and three inside 7 in. liner. The overall operation required detailed planning and risk assessment as multiple critical packer shear loads had to be considered. The mechanical limitations of the 3 $\frac{1}{2}$ in. EUE tubing in the completion string and the shear safety joints' ratings also required consideration in the planning process.

SOLUTION

Experienced Wellbore Integrity Solutions (WIS) personnel developed a customized procedure for this workover operation. The procedure was designed to ensure correct loads were transferred to each packer and avoided the premature release of the shear safety joints. The selected bottom hole assemblies (BHAs) utilized standard external and internal catch fishing tools, and impact tools to maintain a cost-effective solution. Experienced well site personnel were deployed to ensure the operation could be completed successfully.

RESULT

- The complete completion string was recovered successfully, with the minimum number of trips.
- No service quality incidents occurred during the ten-day operation.
- The operation finished with a time savings of three days and a cost reduction for the customer.



WIS Planning and Experience Delivers a Successful Workover Fishing Operation to Recover a Complex Completion String

A customer in Putumayo, Colombia, had a requirement to workover a well completion that included six packers of varying types. A program was designed to optimize the recovery process, consider the multiple component shear loads, and the limitations on the overpull that could be applied. In the planning process, four primary retrieval bottom hole assemblies (BHAs) were selected, all including impact tools. The entire completion string was recovered successfully in fewer operational days than originally planned. Combining WIS' knowledge, experience, and operational diligence delivered a successful workover operation for the customer.

