

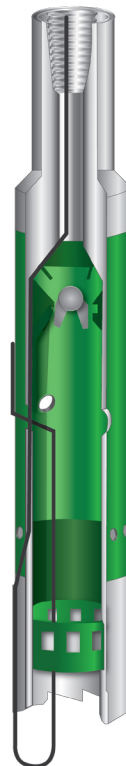
A Successful, Horizontal Well Fishing Operation Ensures Drilling Continuity In Southeast Brazil

Experienced Wellbore Integrity Solutions (WIS) personnel made the difference when recovering debris in the horizontal section of a well.

Efficient debris recovery at a high wellbore inclination and in a single trip.

In general, fishing operations in high angle or horizontal wells increase both complexity and operational risk. For a customer in Southeast Brazil, drill bit debris in the horizontal section of the wellbore resulted in an unplanned, urgent fishing operation. While drilling the shoe track, two cones and the associated components from a 9½ inch OD Roller Cone Bit were lost-in-hole, at a wellbore inclination of 87 degrees. The local WIS Red Baron team were contacted, to assess the situation, prepare a plan and mobilize equipment and personnel to resolve the situation.

Working closely with the customer, the WIS team shared their experience, best practices, developed procedures, bottom hole assembly designs and contingency solutions for this fishing operation. The primary approach was to deploy a 6⅝ inch OD Reverse Circulating Junk Basket (RCJB) Bottom Hole Assembly (BHA) to circulate and recover the debris in the wellbore. The debris in the wellbore was recovered successfully at the first attempt, enabling the customer to resume drilling operations with minimal delays.



CHALLENGE

During shoe track drilling operations, drill bit debris was lost-in-hole. Recovering the debris was complicated by the 87-degree well inclination. The WIS Red Baron team supported the customer to plan and efficiently execute the operation at the wellsite.

SOLUTION

A BHA design that included a Reverse Circulating Junk Basket (RCJB) was used to recover the fish. The extensive operational experience of the WIS local team was a key element in the selection of the proper BHA that retrieved the fish.

RESULTS

- A rapid response mobilization of equipment and personnel to the rig site was conducted efficiently.
- In the fishing operation, all debris was successfully recovered at the first attempt.
- The customer recognized the value and experience of the local WIS team in completing this operation successfully.
- The rig returned to normal drilling operations in a timely manner, minimizing costly delays.

