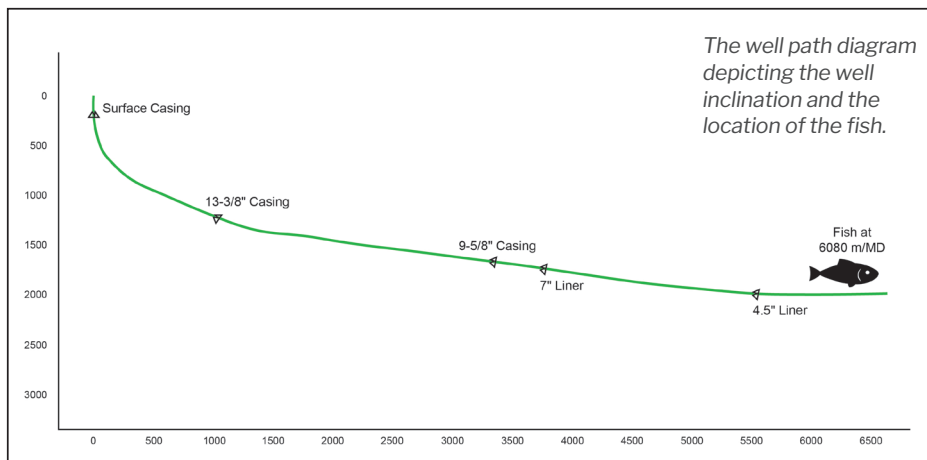


# An Outstanding Fishing Performance Completed for Hibiscus Malaysia Limited

Successful retrieval of a parted 4.5 inch liner hanger running tool, in a deep horizontal well on the first attempt.

## A high angle, deep, horizontal fishing operation presented unique challenges.

Hibiscus needed to retrieve a 4.5 inch liner hanger running tool in a deep horizontal well. After planning and discussions, Wellbore Integrity Solutions' (WIS) Red Baron team proposed the fabrication of a 3 7/8 inch Bulldog Overshot to recover 660m of fish in a 6963m deep well in one run. The 4.5 inch liner hanger running tool was stuck and lost in the hole, and because of the irregular dimensions, conventional fishing tools could not be used to retrieve it.



### CHALLENGE

- To fish a 4.5 inch liner hanger running tool in a horizontal well at a depth of 6080m.
- Fabricating a high tensile overshot tool, appropriately sized to retrieve the fish with irregular dimensions.
- Perform fishing operations in a well with very tight tolerances.
- Work within a tight timeline of two weeks to plan and fabricate the required tools.

### SOLUTION

- Perform a cleanout run with a 3 7/8 inch taper mill and 3 7/8 inch watermelon mill inside of the 4.5 inch liner hanger.
- Run a 3 7/8 inch Bulldog Overshot to recover the parted liner hanger running tool.

### RESULTS

- Successfully retrieved fish on the first attempt enabling the customer to continue with the planned completion with minimal delays.
- Ran the completion string on the subsequent run in the hole with no noticeable restrictions.



The recovered fish pulled up through the rotary table.



Successfully recovered 660m of fish in Malaysia.

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