



Weatherford®

REAL RESULTS

Weatherford Thru-Tubing Fishing Services Removes Permanent Bridge Plug, Saves More than \$1 Million in Workover Costs

Objectives

- Remove a permanent bridge plug that prematurely set in the production tubing instead of the liner. The plug consisted of two bi-directional metallic slips, a rubber element, and a 1/2-in. mandrel. Because of the metallic slips, milling was not a viable option.

Results

- Weatherford deployed a 2-in. BDK® CT flow-activated GS running/pulling tool to release the top slips from the plug and fish them to the surface.
- The Weatherford thru-tubing fishing services team designed a custom 3.6-in. oversized cut-lip shoe. The team ran the custom shoe in the hole with a 2 7/8-in. jar to fish out the remaining slips along with the rubber element.
- Following the first two coiled-tubing runs, a lead impression block revealed that the top of the mandrel was exposed. This prevented the remainder of the plug from being pushed down into the rathole using existing tools. To solve this problem, the Weatherford team designed a custom 3.3-in. slotted shoe. The custom shoe, run with a 2 7/8-in CTD® motor, successfully pushed down the rest of the plug.
- The intervention was entirely rigless. The team completed four coiled-tubing runs and one slickline run.

Value to Client

- The Weatherford team cleared the wellbore of obstructions, which enabled future production and intervention.
- The successful thru-tubing fishing operation eliminated the need for a rig workover or completely pulling the tubing out of the hole. This saved the operator at least US \$1 million in rig workover costs.



The Weatherford thru-tubing fishing services team used a combination of proprietary and custom tools to remove a permanent bridge plug that was obstructing production.

Location

Khyber Pakhtunkhwa, Pakistan

Well Type

Onshore gas

Hole Size

3.92 in.

Liner Size

7 in.

Tubing Size

4-1/2 in.

Well Depth

11,237 ft (3,425 m)

Well Deviation

34°

Fish Type

Permanent bridge plug

Fish Depth

5,253 ft (1,601 m)

Products/Services

- Thru-tubing fishing services
- BDK CT flow-activated GS running/pulling tool
- Custom shoes
- CTD motor

Weatherford

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