Weatherford®

REAL RESULTS

Inflatable Retrievable Bridge Plug and Inflatable Cement Retainer Solve Water Flow Problem and Increase Production in Horizontal Section

Weatherford's *XFLO* setting tool is used to deploy an IRBP on coiled tubing or jointed pipe. The tool connects to the top of the IRBP by a collet latch mechanism, providing a robust attachment that prevents premature release.

Objectives

- Recover oil production by shutting off water in a horizontal section. To accomplish this objective, it would be necessary to run tools through a completion with an internal diameter of only 3 ¾-in. and then set a plug in 7-in. casing with a 6.276-in. inner diameter.

Results

- Weatherford used its XFLO™ setting tool to convey a 3 3/8-in. inflatable retrievable bridge plug (IRBP) and inflatable cement retainer (ICR) on 2 3/8-in. coiled tubing.
- Cement was then pumped to fill the 148 ft (45 m) of the 7-in., 26-lb/ft casing section between the ICR and IRBP.

Value to Client

- Oil production increased by 12,426%.
- Test results showed that the water cut was significantly reduced from 99% to an average of 63%.
- The operator saved time and money because a workover rig was not required.

Client
Occidental Petroleum

Type of Well
Horizontal section of oil producer

Product/Services
- *XFLO* setting tool
- Inflatable retrievable bridge plug
- Inflatable cement retainer

Weatherford International Ltd.
515 Post Oak Blvd., Suite 600
Houston, Texas 77027 USA
Tel: 713-693-4000
weatherford.com

Occidental Petroleum
Andrew Marron
Well Intervention Engineer
andrew_marron@oxy.com

Weatherford
Hassan Rechoum, Thru Tubing General Service Supervisor, hassan.rechoum@weatherford.com
Arend Snaas, Thru Tubing Product Line Manager, arend.snaas@weatherford.com

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