

REAL RESULTS

Inflatable Retrievable Cement Retainer Isolates Producing Formation, Saves 24 Hours of Rig Time During Workover

Objectives

- Set a mechanical tubing barrier at 5,350 ft (1,631 m) to facilitate changing out the tubing-head spool and running with the 5-in. tieback string to the surface.
- Previous runs with a mechanical bridge plug and a mechanical setting tool had not been successful; therefore, the client was looking for a bridge plug capable of being set and retrieved with drillpipe at a high inclination and of holding a 2,000-psi (138-bar) test pressure.

Results

- Al-Shaheen Weatherford deployed a 2.5-in. OD inflatable cement retainer (ICR) for use as a bridge plug, and set it with a drillpipe.
- The bridge plug was tested to 2,000 psi (138 bar) and left in the hole for 96 hours during the entire workover.
- The plug was retrieved with a drillpipe and Bowen overshot, and the well was put back on production in 48 hours.
- The operation was performed without any safety incidents.

Value to Client

- The hydraulic-setting ICR eliminated the need for explosive setting tools.
- The retrievable ICR saved the operator US \$45,000 by eliminating 24 hours of rig time needed for milling out a nonretrievable bridge plug.

The Weatherford inflatable cement retainer incorporates a high-expansion inflatable element with a robust chassis for remedial applications. It can be used as a cement retainer or as a permanent bridge plug.

Location
Doha, Qatar

Well Type
Onshore, production

Liner Type and Size
4.5-in., 12.6-lb/ft L-80

Setting Depth
5,350 ft (1,631 m)

Products/Services

- Thru-tubing packers
- Inflatable cement retainer

