



Weatherford®

REAL RESULTS

Kuwait: Customized 3 1/2-in. Liner Hanger Isolates Leak in Existing Casing in Single Run, Mitigates Losses

Objectives

- Stop a leak within an existing 5-in. casing by running a cemented liner hanger down a well to isolate the leaking zone.

Results

- Weatherford customized a 3 1/2- × 5-in. liner hanger and running tool to meet operator requirements.
- The operator drilled out the 5-in. shoe at 4,436 ft (1,352 m) and continued to drill to a depth of 4,900 ft (1,494 m).
- The customized 3 1/2-in. liner hanger was installed and cemented to close the leak and the open hole.

Value to Client

- Weatherford's customized 3 1/2- × 5-in. cemented liner hanger enabled the operator to minimize delays in repairing the leaking casing and mitigate fluid losses.
- Weatherford's cemented liner hanger was a quicker, safer and easier solution to isolate the leaking zone than the conventional method of running tubing, cementing the tubing in place to the calculated volume, and cutting the tubing.
- The operation was completed in a single run, which enabled the operator to save rig time and associated costs.
- "To isolate the zones, we had to run a liner and cement it to cover the zone. The other option was to run the tubing and cement it to the calculated volume, and then cut the tubing. The liner hanger provided a better option that was fast, easy and convenient. It achieved the goal of zone isolation in an efficient manner, with satisfactory results."

—Operator



Weatherford field personnel stand with the customized 3 1/2-in. liner hanger at the wellsite.

Location
Kuwait

Well Type
Onshore vertical workover

Well Depth
4,436 ft (1,352 m) expanded to 4,900 ft (1,494)

Parent Casing Size
5 in.

Liner Size and Type
3 1/2-in., 9.3-lb/ft L-80

Products/Services

- Liner hanger systems
- Liner-top packer
- PBR packoff
- Landing collar
- Float shoe

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