



Weatherford®

REAL RESULTS

HOMCO® Casing Patch Isolates Perforated Interval in Near-Horizontal Well With Minimal ID Reduction

Objectives

- Permanently isolate three perforations in a horizontal injection well with a total vertical depth of 8,727 ft (2659 m). The perforations were located at 18,895 to 18900 ft (5759 to 5760 m).

Results

- After the well was cleaned up with a 6.200-in. drift mill (0.050 in. larger than the drift inside diameter (ID) of 6.151 in.), Weatherford successfully deployed a 40-ft (12.1-m) HOMCO lead steel casing patch within the 7-in., 26.0-lb/ft (38.7-kg/m) casing, experiencing no issues.
- The 40-ft (12.1-m) patch provided ample overlap for the perforated interval.
- The well was successfully pressure tested to 1,000 psi (6.89 MPa).
- The total operational time to run the patch in the wellbore, expand the patch, and pull out of the hole was 45 hours.

Value to Client

- Using Weatherford's HOMCO casing patches enabled the operator to permanently seal three perforated intervals and continue the operation with minimal impact on production.
- The post-expansion ID was reduced by 0.300 in. (7.62 mm), resulting in a minimal loss of ID.
- The HOMCO casing patches were run in one trip and required no additional shoe drillout, saving rig time and operational costs.

Weatherford's versatile HOMCO casing patch is designed to seal perforations, collar and thread leaks, splits, and limited corroded areas in tubing and casing. In addition, the HOMCO patch provides added protection during squeeze jobs and is effective at any depth.



Location
Saudi Arabia

Well Type
Onshore, horizontal, oil

Parent Casing
7-in., 26.0-lb/ft (38.7-kg/m)

Measured Depth
27,240 ft (8302 m)

Total Vertical Depth
8,727 ft (2659 m)

Setting Pressure
4,500 psi (31 MPa)

Products/Services
HOMCO casing patch

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