



Weatherford®

REAL RESULTS

MetalSkin® Cased-Hole Liner System Repairs Corroded Casing Without Production Interruption, Maintains Casing, Pressure Integrity

Objectives

- Cover and isolate a corroded zone in an installed casing to facilitate continued production.
- Re-establish pressure integrity of the casing and prevent future leaks from forming in the corroded area.

Results

- Weatherford personnel deployed a 4 1/4- x 5 1/2-in., 10.7-lb/ft *MetalSkin* cased-hole liner system over the corroded interval.
- A short length of expandable liner was installed to serve as a packer seat, providing a uniform casing inside diameter (ID) for production packer installation.
- The expandable liner was successfully installed and expanded at the proper setting in a single trip, isolating the corroded zone while enabling continued production.
- After installation, the *MetalSkin* liner restored the casing and hydraulic pressure integrity over the damaged casing interval with no environmental or safety incidents.

Value to Client

- Using Weatherford's *MetalSkin* cased-hole liner system enabled the operator to cover and repair an interval of corroded casing while maintaining production.
- The *MetalSkin* liner provided the operator with a long-term, stable, and cost-effective solution to corroded casing repair that brought the well to full quality, health, safety, and environmental (QHSE) integrity without multiple cement squeezes and the need for drillout.



Weatherford's *MetalSkin* cased-hole liner system repaired an interval of corroded casing with a permanent, cost-effective solution that provided the maximum hole size as compared to a conventional liner, facilitating continued production and future well work.

Location
Texas

Formation
Permian Basin

Well Type
Onshore, oil producer

Parent Casing
5 1/2-in., 14.0-lb/ft K-55 8rd ST&C

Setting Interval
2,220 to 2,600 ft (676 to 792 m)

Packer Seat Setting Depth
4,620 to 4,700 ft (1,408 to 1,432 m)

Length

- Pre-Expanded Length: 404 ft (123.1 m)
- Post-Expanded Length: 380 ft (115.8 m)
- Shrinkage: 6.02%

Products/Services

- *MetalSkin* solid expandable system
- Fishing and rental services
- Wireline services

Weatherford
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