



Weatherford®

REAL RESULTS

MetalSkin® Cased-Hole Liner System Helps Repair Damaged Casing, Quickly Returns Well to Production

Objectives

- Repair a damaged casing zone located between 3,930 and 4,020 ft (1198 and 1225 m) in an installed casing to facilitate continued production.
- Minimize the inner-diameter (ID) loss after installing the expandable system.
- Reperforate projected areas and restart production in the well.

Results

- Weatherford ran a 5 1/2-in, 192-ft (58.58 m) length of *MetalSkin* cased-hole liner at a depth of 4,060 ft (1238 m).
- After expansion, the *MetalSkin* liner covered two damaged sections located at a depth from 3,876 to 4,060 ft (1181 to 1237 m).
- The final ID through the installed liner of 5.488 in., with a drift diameter of 5.363 in., provided the client with enough passage for the desired production string.

Value to Client

- Weatherford's *MetalSkin* cased-hole liner system isolated the unwanted perforations and eliminated the need for multiple squeeze-cementing operations and their cumulative costs.
- The *MetalSkin* liner provided the operator with a long-term, stable, and cost-effective split-casing repair solution that brought the well to full quality, health, safety, and environmental (QHSE) integrity without multiple cement squeezes or the need for drillout.



Weatherford's *MetalSkin* cased-hole liner system provides a permanent, cost-effective solution, isolating and sealing unwanted perforations for increased production capacity.

Location

Santander, Colombia

Field

La Cira

Well Type

Onshore, J-Type

Casing Size

7 in., 26 lb/ft (38.7 kg/m)

Well Depth

4,784 ft (1458 m) measured depth

Setting Depth

192 ft (58.6 m) Pre-expansion
184 ft (56.0 m) Post-expansion

Products/Services

- *MetalSkin* Cased-Hole Liner System

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