



Weatherford®

REAL RESULTS

MetalSkin® Expandable Cased-Hole Liner Repairs Corroded Casing in Shallow Offshore Well, Overcomes Deck-Space, Weight Limitations

Objectives

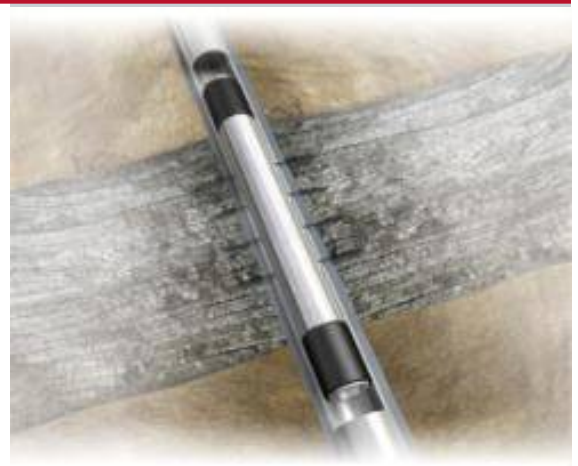
- Mitigate the corrosion on a shallow offshore well, shut off the water flow, and regain well integrity. In addition, the economic balance between a mature-field remediation program and cost meant the solution must be efficient and provide long-term value.
- Overcome the operational challenges of the wellsite with the installation method. The offshore platform had deck-space and weight limitations, which precluded the operator from using the typical workover rig solution.
- Manage the health, safety, and environmental (HSE) risks in a challenging drilling environment producing hydrogen sulfide (H₂S).

Results

- Working with the operator to address potential risks, Weatherford personnel deployed an H₂S-resistant 5 1/2- × 7-in., 29 lb/ft (43.2 kg/m) *MetalSkin* expandable cased-hole liner system over the corroded interval.
- Using a jack system, the expandable liner was successfully installed and expanded at the proper depth in a single trip, isolating the corroded zone.
- The installed liner provided a post-expansion drift of 5.265 in. (1.3 cm) to enable the well to be produced at 250 B/D (39.7 m³) with no water production.
- All operations were performed without injury in a safe and professional manner through continued communication and improvement.

Value to Client

- Using Weatherford's *MetalSkin* cased-hole liner system enabled the operator to cover and repair an interval of corroded casing in a shallow, offshore well, eliminating produced water.
- Weatherford personnel installed the liner system using specialized equipment designed around the operator's platform limitations, providing a solution where no workover rig is required.
- The H₂S-resistant *MetalSkin* liner provided the operator with a long-term, stable, and cost-effective solution to corroded casing repair that brought the well to full HSE integrity without the need for drillout.



Weatherford's *MetalSkin* expandable 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
Republic of Congo

Well Type
Offshore, oil

Depth
820 to 1,312 ft (250 to 400 m)

Setting Interval
1,607 ft (490 m)

Products/Services

- *MetalSkin* solid expandable system
- Fishing and rental services
- Wireline services
- Tubular Running Service – non-marking system

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