

Cut Downtime. Cut Costs. Keep Wells Flowing.

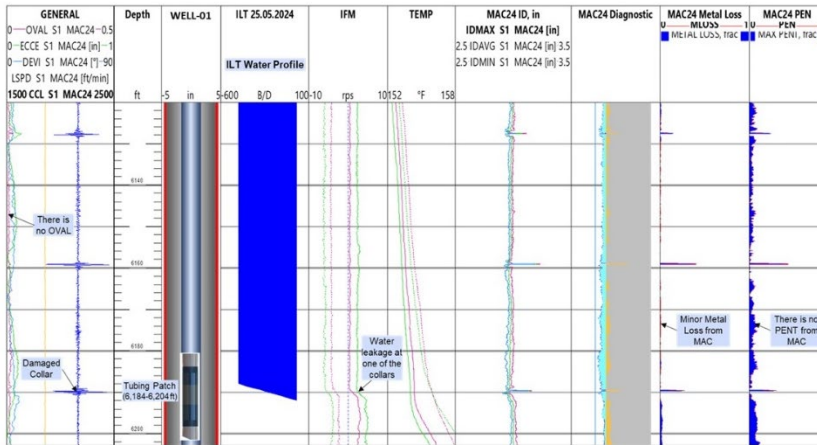
Rigless Tubular Patch Solution Accelerates Large-Bore Well Recovery, Saves \$16 Million USD

LOCATION
Middle East

WELL TYPE
ESP producer

PRODUCTS/SERVICES

- Leak detection logs
- Production logging tools
- ProMAC 24-arm caliper tool
- SwagePak straddle system



Example for integrated surveillance work for tubing leak detection and patch design.

Objectives

- Restore well integrity and stable production while minimizing cost and downtime.
- Maintain large-bore accessibility for future interventions and surveillance and reduce ESP failure risk.

Our Approach

- The conventional approach involves replacing the tubing of the problematic wells and installing a specially coated tubing system to reduce or mitigate corrosion process and allow a longer ESP lifetime. This is a costly option, and it results in a long production downtime for planning and scheduling the wells.
- Weatherford casing integrity specialists, alongside experts from wireline, Well Services, and Interpretation and Evaluation Services, collaborated with the operator to analyze a more innovative solution. Based on their assessment of the production logging tools and the ProMAC™ 24-arm caliper tool, the team determined a section of the casing needed to be repaired using an SwagePak straddle system to permanently restore casing integrity.
- This advanced tubular patch application is a cost-effective, rigless intervention to overcome this challenge and restore production.
- This option helped to isolate the leakage zone(s) with large bore accessibility for any future well intervention operations and surveillance acquiring.



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Value to Customer

- Approximately 3,800 bpd average oil production restored across nine wells. This action also saved 200,000 bbl by eliminating extended downtime while waiting for the workover.
- When compared to tubing replacement and by installing only 300 ft (91.4 m) of the tubing path, the Weatherford solution saved \$16 million USD due to shorter operations and reduced materials.
- The rigless execution minimized scheduling delays and preserved large-bore accessibility for future work.
- This success catalyzed expansion of the technology across the field and other operator assets.



The SwagePak straddle system provides a heavy-duty, large-bored permanent seal over splits, holes, and perforations.

