FIRMA™
ABANDONMENT AND SLOT RECOVERY SOLUTIONS

Abandoning and sidetracking wells by creating trustworthy barriers using a tailored approach, from expert-led planning to efficiency-driven execution.
FINISH RESPONSIBLY

Weatherford helps you establish cost-effective, permanent barriers that mimic the original caprock. Unlike other service companies, we deliver specialized solutions that go beyond traditional barrier placement to drive down time and overall cost. Only we offer front-end engineering design, a complete portfolio of abandonment and slot recovery technologies, efficient management of critical-path activities, and a global track record in all environments so you can finish responsibly.

COMPLETE PORTFOLIO

Prepare for any scenario

As the industry’s only source for complete annular remediation solutions, Weatherford solves unique zonal abandonment and slot recovery challenges in land, platform, or subsea applications. Before the job, we help you choose the right solution from our Firma portfolio, featuring breakthrough technologies in subsea wellhead recovery, perforate-wash-seal efficiency, dual-string section milling, managed pressure well re-entry, environmental barrier placement, and next-generation barrier verification.

FULLY COMPATIBLE SUITE

We designed Firma abandonment and slot recovery technologies to work together across diverse well types and environments. This compatibility enables custom integrated solutions covering the entire process, with clear bridging to third parties, which avoids the hassle and risk of combining multiple tools with inconsistent working capacities from different vendors.

ENGINEERING INSIGHTS

As part of our front-end engineering expertise, we propose the most appropriate technologies for specific well conditions instead of taking a broad-brush approach. In addition, our project engineering skills give you precise cost estimates, sharp analysis, and efficient scheduling with remediation plans.
INTEGRATED DELIVERY

Execute with integrity and efficiency

On the job, we help you establish a permanent barrier that restores the wellsite to its original condition. Our abandonment and slot recovery capabilities, combined with true integration and project management, drive efficiencies on the critical path while you achieve abandonment with certainty.

TIMELESS BARRIERS
By combining the best tools on the market with a high standard for service excellence, we help you to abandon wells with confidence. Our rock-to-rock, cement-to-formation bonds reinstate the natural integrity of the reservoir and meet the strictest compliance standards.

EXPONENTIAL COST SAVINGS
With single-trip technologies for logging, section milling, wellhead recovery, and more, we maximize the efficiency of every task to minimize overall rig time and cost. Beyond that, we integrate abandonment services for even fewer personnel and greater cost reductions.

DIFFERENTIATED TECHNOLOGIES
Using an arsenal of award-winning tools, we design solutions that deliver value according to the unique challenges of your project.

PROVEN RESULTS

Restore to the original caprock anywhere

We have a track record for successfully abandoning hundreds of wells a year across different abandonment types, such as thru tubing, non-thru tubing, and conductor recovery, plus all operating environments, including land, platform, and subsea applications. Our people are highly competent in country regulations and customer requirements, and they are fully supported by our global footprint.

Casing and Cement Evaluation
Before abandonment begins, this diagnostic suite lets us run several tools on the same trip to best determine where to start and end any remediation. After cementing operations, it helps to validate the integrity of the barrier.

Barrier Integrity Testing Tool
Rated to V6 standards and deployed on wireline, this pressure-monitoring tool tests the integrity of any preinstalled well barrier or plugged zone for validation to regulatory requirements.

Perf, Wash, and Seal System
This advanced system perforates throughout the target section, washes the annulus, and forms a void-free cement bond all in a single trip. Its patented venting system enhances safety by relieving influx pressures during perforating.

Subsea Wellhead Retrieval
In one trip, this tool mechanically or abrasively cuts and then recovers casing and conductor strings. It latches onto the external profile of the wellhead and minimizes damage to the inside and outside.

Dual-String Section Mill
This double-duty technology mills both the inner and outer casing string in half the time of conventional abandonment. The resulting rock-to-rock barrier seals across the borehole and mimics natural bedding.
FIND OUT HOW TO FINISH RESPONSIBLY

Time and time again, our Firma™ solutions have helped operators execute world-class abandonment and slot recovery projects. Let us know your questions, and our specialists can deliver a technical approach tailored to your challenges, commercial models aligned to your goals, and a dedicated project team who delivers it all.

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