



Weatherford®

Well Abandonment &
Intervention Services,
Gulf Coast Region

Plug into a New Approach



Get it Right the First Time

Permanent Solutions to Your Well Abandonment Challenge

Thousands of wells await safe and permanent abandonment. It's essential that operators get the expert tools and professional services to correctly manage costs, safety, and complex government regulations.

Weatherford delivers the expertise, innovative technology, and a portfolio of integrated solutions to meet your abandonment needs both onshore and offshore. We are a single-source provider for any stage of well abandonment. Drawing on our global expertise and breadth of capabilities, we offer a comprehensive assortment of abandonment products and services.

- Replace costly mobile and workover rigs with Rig-Free® technology
- Enable single-source efficiencies with a complete range of products
- Leverage a team of well-abandonment specialists with global experience
- Offset abandonment costs and extend production with effective intervention techniques

Total Project Execution Planning and Implementation

Weatherford is a global leader in well abandonment. Our experienced specialists can work with you in all phases of a project, including pre-job planning, risk and cost assessments, compliance monitoring, engineering, event planning, final implementation, and contingency evaluation. Our proven, multiphase regimen provides a complete well abandonment plan to guide your project from beginning to end.

Fit-for-Purpose Answers to Meet Regulations

Our fit-for-purpose products, technologies, and services are designed to meet or exceed international, regional, and environmental standards. For example, our innovative and exclusive Rig-Free® pulling and jacking units are significantly more cost efficient and transportable than cumbersome mobile drilling and workover rigs.

Well Abandonment saved

**108 DAYS
VALUED AT
\$10.8M**

The Weatherford dedicated Well Abandonment crew used a Rig-Free pulling and jacking unit to kill and plug 10 wells, moving from well to well in an average of just one hour. The project was completed 108 days ahead of time and \$10.8 million under budget.

Location: Gulf of Mexico

Well Abandonment saved

**PERATIONAL
COSTS AND
REDUCED NPT**

The Weatherford well abandonment services, including the proprietary Rig-Free technology, offered an efficient method to plug and abandon 22 wells. The operation saved the cost of using conventional or jack-up drilling rigs, and it cut nonproductive time (NPT) to just 3 percent of overall operational time.

Location: Gulf of Mexico

The worldwide demand for well abandonment is expanding, and in the Gulf of Mexico it's important that operators get the expert tools and professional services to correctly manage costs, safety, and stringent, ever-evolving regulations.

Safety Culture in every aspect at every level

If we can't do it right and do it safely, we don't do it. In all Weatherford operations, our most important mission is pursuing the highest possible standards to maximize our quality, health, safety, and environmental performance. Our abandonment services, like any other Weatherford product or service, include our promise for safety and quality, including design, manufacturing, transporting, installing, servicing, and refurbishment.

Performance necessary to meet and/or exceed scheduling targets and financial goals

- Detailed project planning developed before any equipment is mobilized
- Close coordination between the operator's representatives and the Weatherford field personnel, facility support, operations, maintenance, engineering, and quality assurance
- Adaptability of equipment to suit multiple scenarios with minimal reconfiguration
- Resources available to quickly address unexpected needs within multiple product lines
- End-of-hitch evaluations for personnel
- Post-job reviews with client

Proactive Measures to reduce nonproductive time

- Maintaining critical spares
- Investigating issues using tap root techniques to determine and address causes
- Preventative maintenance programs to ensure that equipment is service ready
- Incorporating lessons learned into all phases of the operation

Rig-Free[®] Technology

Modular, Rigless Well Abandonment Systems

Rig-Free Heavy-Duty Pulling and Jacking Unit

Capable of pulling 220,000 lb in 60-ft increments and jacking 600,000 lb in 5-ft. increments. Units are designed, manufactured, and monogrammed in accordance with API 4F (Specification for Drilling and Well Servicing Structures). The Swivel Bale System is certified to API 8C (Specification for Drilling and Production Hoisting Equipment).



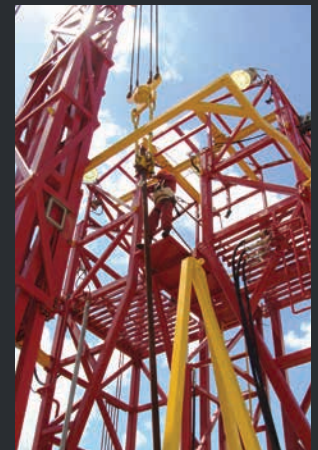
Jacking Floor

- With removal of one row of drillpipe, it can hold 10 joints of jacking floor drill collars (4 1/2-in. OD).
- With 5-ft. Stroke



Rack Back Towers

Capable of holding up to 364 joints (more than 10,000 ft) of 3 1/2-in. drillpipe, as well as smaller tubulars, up to the setback capacity of 160,000 lb.

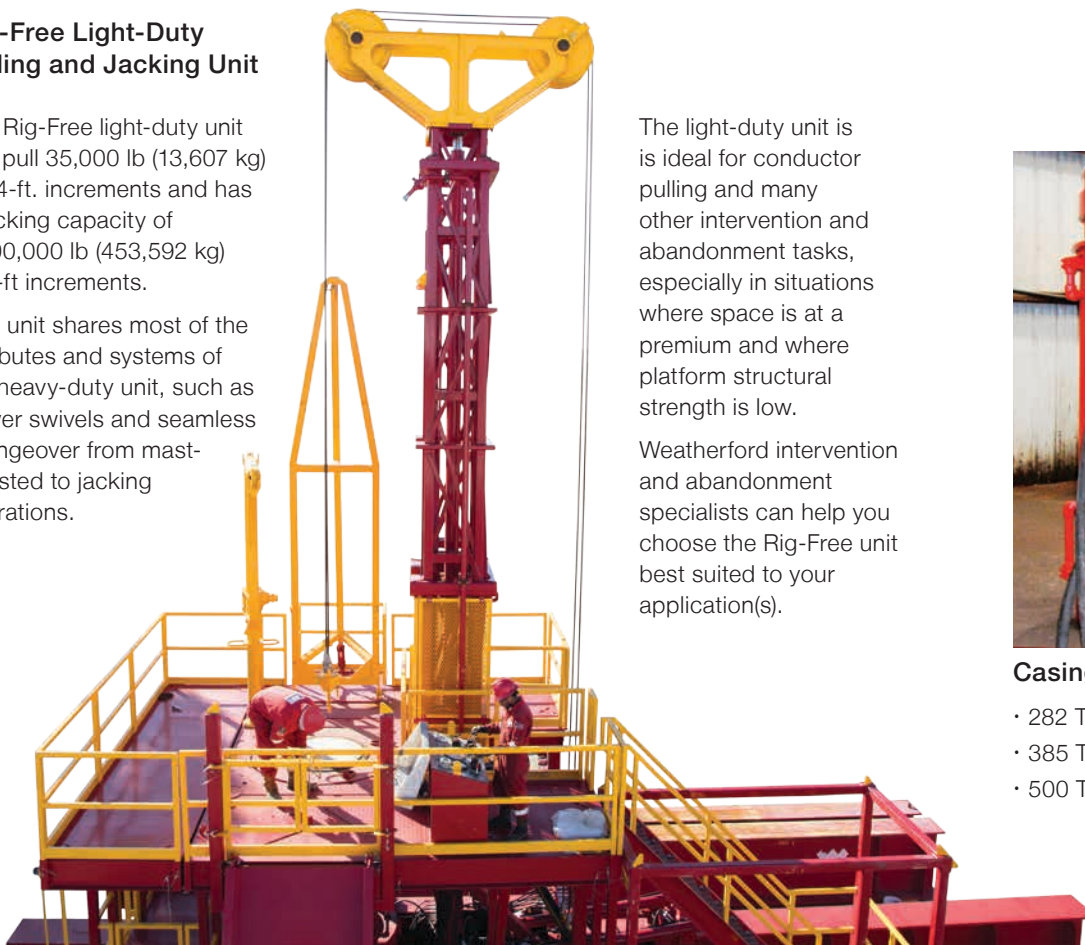


By removing one row of drill pipe it is capable of holding 10 joints of 4-1/2 in. OD drill collars.

Rig-Free Light-Duty Pulling and Jacking Unit

The Rig-Free light-duty unit can pull 35,000 lb (13,607 kg) in 44-ft. increments and has a jacking capacity of 1,000,000 lb (453,592 kg) in 5-ft increments.

This unit shares most of the attributes and systems of the heavy-duty unit, such as power swivels and seamless changeover from mast-assisted to jacking operations.



The light-duty unit is ideal for conductor pulling and many other intervention and abandonment tasks, especially in situations where space is at a premium and where platform structural strength is low.

Weatherford intervention and abandonment specialists can help you choose the Rig-Free unit best suited to your application(s).



Casing Jacks

- 282 Ton
- 385 Ton
- 500 Ton
- Tubulars up to 36 in.
- All sizes have a 5-ft stroke



The Rig-Free Work Deck

Designed for well abandonment services, our Rig-Free work deck has an integrated 2-ton jib crane and a small footprint that make it ideal for small or satellite platforms. This work deck can be placed directly on a wellhead, platform deck, or deployed as part of a cantilever system.



Power Swivel

- 120 Ton / 8,100 ft-lbs Standard Capacity
- 150 Ton / 12,000 ft-lbs High Torque Capacity



Cantilever Systems for Lift Boats

2 x 50,000 lbs. single line pull winches

Auxiliary Systems



TEED Triplex Pumps

- Maximum Horsepower 165 hp
- Maximum Speed 300 rpm
- Stroke Length 5 in.



SJ-300 Triplex Pumps

- Maximum Horsepower 355 hp
- Maximum Speed 350 rpm
- Stroke Length 5 in.



OPI 600 Triplex Pumps

- Maximum Horsepower 600 hp
- Maximum Speed 450 rpm
- Stroke Length 6 in.
- Available in Class 1, Division 2 hazardous area listed version



Hydraulic Cement Blenders

- 15 Barrel Blender
- 30 Barrel Blender
- 55 Barrel Blender

Double Drum Wireline Unit

- 7/32 in. x 25,000 ft Braided E-line
- 0.108 in. x 25,000 ft Slick Line



Conductor Removal



Hydraulic Multistring Cutting Saw

- 2 in. through 32 in. remote controlled
- Capable of cutting multiple strings cemented
- All moving parts have safety guards
- Cold cutting method doesn't create ignition hazards
- Safe, efficient process for surface cutting
- Autofeed ensures consistent cutting
- Hydraulic clamping minimizes risks to personnel
- Hydraulic stabilizer improves cutting efficiency
- Comes with HPU and remote control panel
- Subsea options available

Pinning System

Adaptable to largest casing OD to prevent slippage while hoisting multi-string casings for lay down.



Wellhead Support System

The Weatherford system is designed specifically to support large snubbing units and relieve excessive wellhead weight. Our adjustable, non-intrusive design is a safe and reliable support system. In today's environment, safety is the #1 key to success. Our innovative design and mechanical locking system provide a compact configuration while minimizing interference with snubbing operations.

- Jacking Capacity - 400,000 lbs
- Jacking Stroke - 5 ft

For more information, contact us at
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Well Abandonment Technology from a Global Leader

Weatherford provides a complete portfolio of industry leading technology and outstanding experience for cessation of production and eventual abandonment of your oilfield. With our innovative approach, expert personnel, and unmatched operational-management disciplines, we consistently deliver solutions that reduce costs, mitigate risks, and ensure high integrity well abandonment.



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