

Rig-Free® Light-Duty Unit Abandons 6 Offshore Wells and Saves 3.5 Days of Rig Time



The Weatherford Rig-Free 35/1000 light-duty pulling and jacking unit has a pulling capacity of 35,000 lb (15,876 kg) and a jacking capacity of 1,000,000 lb (453,592 kg).

LOCATION

Gulf of Mexico, United States

WELL TYPE

Offshore, gas

NUMBER OF WELLS

6

WATER DEPTH

327 ft (100 m)

WELL DEPTH

13,500-ft (4,115-m) MD in one of the six wells

PRODUCTS/SERVICES

- Well abandonment services
- Rig-Free 35/1000 light-duty pulling and jacking unit

Objectives

- Pull production tubing and casing from six wells in the Gulf of Mexico during plug and abandonment (P&A) operations.
- Improve efficiency by reducing rig-up and rig-down times.
- Enhance safety by reducing contact with tubulars.

Our Approach

- The Weatherford team deployed the Rig-Free light-duty pulling and jacking unit in six offshore wells.
- The integrated design of the Rig-Free unit greatly reduced the need to rig up separate equipment during the sequence of the project, and the built-in casing jacks allowed for easy removal of tubing and casing hangers to quickly transition back to other operations.
- The small footprint enabled quick mobilization, and the beam support configuration allowed for quick skidding from well to well.
- The team used the unit to pull 12,356 ft (3,766 m) of production tubing and 2,900 ft (884 m) of casing. The system proved to be very efficient in pulling range 2 drillpipe and reduced the demands on the platform crane.



Rig-Free® Light-Duty Unit Abandons 6 Offshore Wells and Saves 3.5 Days of Rig Time

Our Approach (continued)

- After pulling the tubing and casing, the team used the unit to set plugs and pump cement.
- The project was completed with nonproductive time (NPT) of less than 1%.

Value to Client

- Using the Rig-Free pulling and jacking unit, Weatherford abandoned six offshore wells and saved 3.5 days of the rig time allotted by the client for acceptable NPT. The client permitted 24 hours of NPT per month, and Weatherford reduced allowable NPT by 89% during the 4-month job.
- The unit provided the handling capacity needed for P&A pulling operations, which significantly reduced the demands on the platform crane and increased space on the deck for the performance of other operations.
- The client performed an internal study that concluded the unit dramatically reduced tubular handling compared to a conventional P&A spread.
- The unit enhanced safety by minimizing touch points typically associated with conventional P&A equipment.

