

# Firma™ Abandonment Solution

## Saves Operator \$6.7 Million on Hurricane-Damaged Platform

### Objectives

- Complete intervention and plug-and-abandonment operations on 10 live, producing wells on a hurricane-damaged platform that was listing approximately 15° in the Gulf of Mexico (GOM).

### Our Approach

- As part of a Firma abandonment solution, Weatherford developed a compact, portable, and modular pulling-and-jacking unit equipped with an innovative, self-clamping skidding system that enabled the operator to easily transfer the unit from one well to another.
- The pulling-and-jacking unit, capable of 100,000 lbf (45,359 kgf) pulling force and 500,000 lb-ft (226,796 kg-m) jacking force, was placed on a wedge deck to gain full access to the wells and served as the foundation for all operations.
- The operator recovered approximately 32,000 ft (9,753 m) of various sizes of tubing and casing.
- Weatherford equipment and personnel stayed on location 299 days and accrued 49,476 hr of operation without any recordable injuries or environmental incidents.

### Value to Customer

The Weatherford Firma abandonment solution:

- prevented the operator from incurring any drilling-rig operational costs;
- alleviated the operator from using its own resources to develop an alternative method to address the damaged platform;
- enabled the operator to continue working in high-wind conditions, where cranes are typically shut down, significantly reducing potential nonproductive time;
- enabled the operator to complete the work 2 months ahead of schedule and save approximately US \$6.7 million in operating costs.



Weatherford's pulling-and-jacking unit situated on the wedge deck during decommissioning operations at the well site in the Gulf of Mexico.

#### LOCATION

Gulf of Mexico, USA

#### WELL TYPE

Offshore, production platform

#### WELL DEPTH

12,476 ft (3,083 m)

#### PRODUCTS/SERVICES

- Firma abandonment and slot recovery solutions
- Decommissioning services
- E-line/slickline
- Cementing products
- Pulling-and-jacking unit
- Tubular running services
- Dual-drum wireline unit
- E-line downhole services
- Double-drill boring machine
- Hydraulic multistring cutting saw
- Certified blowout preventers and drillpipe

