

# Deepwater Abandonment Efficiency: Single-Trip Wellhead Recovery Completed 12 Hours Ahead of Schedule

## Objectives

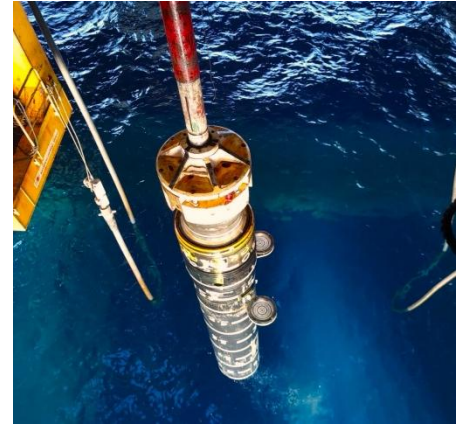
- Cut and recover the dual casing (20 in. × 36 in.) and subsea wellhead safely and efficiently in water depths up to 3,300 ft (1,006 m).
- Ensure operational safety using a reliable, non-damaging cutting method equipped with an emergency release mechanism.
- Execute the entire operation in a single trip to minimize rig time and reduce operational risk.

## Our Approach

- Recommended and deployed the M.O.S.T. (mechanical outside-latch, single-trip) Plus system to meet deepwater single-trip cutting and recovery objectives.
- Used a newly engineered configuration—second generation M.O.S.T., tension cut mandrel with large OD cutter, and high-angle knives—to improve cutting efficiency and system performance.
- Reduced cutting time and vibration while controlling tool stability with built-in lateral support.
- Engaged the external profile of the wellhead to prevent internal damage, avoid rotation or listing, and minimize swarf buildup.
- Enabled safe top-drive rotation by operating in tension without a mud motor and incorporated an emergency-release feature for operational contingency.

## Value to Customer

- Accomplished reliable, efficient, and safe casing cutting and subsea wellhead recovery using the M.O.S.T. Plus system with a large OD cutter and high-angle knives.
- Completed the operation 12 hours ahead of the expected 24-hour timeframe, significantly reducing vessel time and overall operating costs for the customer.
- Minimized operational risk by preventing wellhead damage, controlling tool stability, and eliminating the need for additional intervention trips.



The M.O.S.T. Plus system safely cut through dual-string casing and recovered subsea wellhead in a single, efficient trip, minimizing downtime and ensuring operational stability.

### LOCATION

Australia (offshore)

### WELL TYPE

Deepwater  
Exploration

### CASING SIZE AND TYPE

20 in. with 1-1/4 in. wall thickness  
36 in. with 1-1/2 in. wall thickness

### WATER DEPTH

3,300 ft (1,006 m)

### PRODUCTS/SERVICES

- M.O.S.T. Plus system
- M24 large size hydraulic casing cutter
- High-angle knives
- Large size bumper sub

