Expro Excellence

# Multi-service abandonment solution reduces critical path time in deepwater P&A campaign

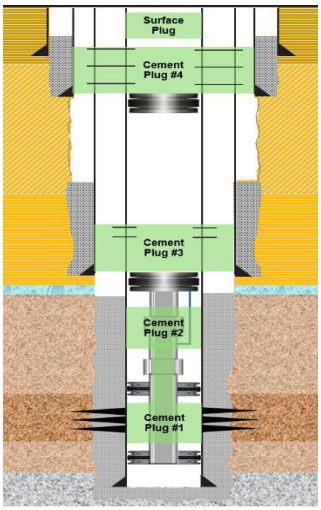
## PRT | Well Construction | Coretrax





### Objectives and background

- A three-well deepwater Gulf of Mexico P&A campaign required reservoir isolation, completion recovery and permanent barrier installation across a combination of well architectures
- The programme combined lower abandonment activities with subsequent upper abandonment and permanent rock-to-rock barrier installation and validation
- The customer required a coordinated approach to Well Access, Completion Recovery and Barrier Assurance while reducing rig time, intervention activity and execution risk




### Expro Excellence

**Well Access & Intervention**

- Expro provided dedicated well access equipment supporting 33 coiled tubing and 10 wireline runs during the 54-day lower abandonment campaign, alongside contingency capability for execution through the rig BOP

**Completion Recovery**

- Partial completion recovery on two wells enabled progression to upper abandonment without a more extensive tubing recovery programme, with production tubing recovered to the planned cut depth

**Barrier Assurance**

- Expro configured a bespoke single-trip barrier assurance BHA combining CX Bridge Plug, SuperFlow and BRUTE Force Packer technologies with Lee Energy Systems' MPX casing expansion and Gator hydro-mechanical perforating system
- The integrated system enabled multiple barrier operations in a single deployment, eliminating dedicated cleanout runs and conventional explosive perforating while maintaining flexibility to establish additional circulation paths where required
- Qualified 500 ft rock-to-rock barriers were installed above the 9⅝-in and 13⅜-in casing shoes without section milling or cut-and-pull operations

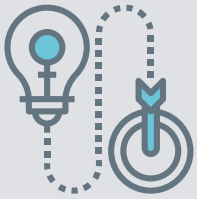
### Value to the client

- Three wells successfully abandoned using a coordinated multi-service execution model
- Nineteen operational trips were eliminated and approximately 170 critical-path hours removed from the abandonment programme
- Permanent barriers were installed without section milling, cut-and-pull operations, explosive perforating or dedicated cleanout runs
- All primary barriers were successfully placed and validated without secondary cement remediation

**Reduction of rig time**



**Innovative solution**



| 3 Deepwater Wells | 19 Trips | 170 Hours | 500 ft |
|---|---|---|---|
| Successfully abandoned | Eliminated | Removed from the critical path | Barriers |



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