

North Sea

ProLATCH™ Sets New Benchmark: Triple-String Cut (13³/₈" × 20" × 30") Completed in Under 3 Hours

Through disciplined continuous improvement, WIS advanced its multi-string conductor cutting technology and execution strategy—delivering significant rig-time savings and consistently improved cut performance

During a large-scale platform-based P&A campaign, the operator required the efficient cutting and recovery of triple casing string, in a single operation. The scope included cutting through the 13³/₈" intermediate casing, 20" casing, and 30" conductor, with all three strings cemented together exhibiting significant eccentricity.

Multi-string cutting in platform environments presents inherent challenges, including harsh weather conditions, a lack of well data, and the need for safe, controlled recovery. The operator sought a proven solution capable of delivering reliable performance while minimizing operational time and intervention complexity.

Wellbore Integrity Solutions (WIS) ProLATCH™ casing cutting and retrieval system incorporates high performance knife designs that have shown significant improvement in subsea applications, with reduced cut times and increased probability of triple cut in a single operation.

Building on its proven subsea performance, WIS successfully deployed its conductor cutting methodology in this platform-based application.

The ProLATCH system was deployed to this highly eccentric triple casing, combined with controlled operating parameters optimized for the new knife designs. The 13³/₈", 20", and 30" casing strings were successfully cut in a combined triple cut time of 2 hours 45 minutes. All three casings were confirmed to be fully free and recovered to surface.

After completion of the cut, the operation concluded with the subsequent recovery of the triple casings.

This case study underscores WIS commitment to continuous improvement and innovation. Through iterative enhancement of cutting technology and deployment methodologies, WIS continues to deliver efficient, reliable solutions for complex multi-string abandonment challenges, both subsea and platform-based operations.



CHALLENGE

- Perform a triple string casing cut (13 3/8" x 20" x 30") in a single operation with full eccentricity

SOLUTION

- Deployed the 11700 Pipe Cutter and 13³/₈" ProLATCH system
- TruEdge Gen 2 knives – incorporating superior designs for enhanced durability and cutting efficiency
- Continuous parameter monitoring and optimization to maintain a constant cutting torque

RESULT

- Successfully completed a triple string cut in under 3 hours cutting time
- Delivered significant rig-time savings and improved operational efficiency
- Demonstrated WIS's continued leadership in multi-string abandonment solutions for both subsea and platform environments