

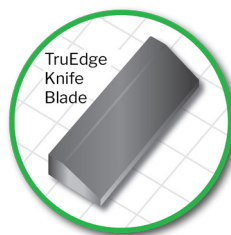
## Triple String Casing Cut Completed in 6 HOURS from a Semi-Submersible using TruEdge™ Technology

The operation utilized an 11¾ inch pipe cutter equipped with TruEdge insert knives to efficiently cut through 13¾, 20, and 30 inch casings, as well as the wellhead, enabling their successful recovery to the surface.

### Wellbore Integrity Solutions (WIS) Aberdeen, United Kingdom successfully completed a triple cut and pull operation using TruEdge insert knives in a record performance.

Following the decision on cut depth, in compliance with UKCS P&A guidelines, the operation was planned to cut 22 feet below the mudline. During the cutting of the 13¾, 20, and 30 inch casings, parameters were continuously monitored and adjusted as needed to maintain consistent reactive cutting torque.

Utilizing TruEdge insert technology, a single set of knives successfully completed all three cuts in just six hours. Upon retrieval, the pipe cutter knives were found to be in excellent condition despite completing the three cuts.



**TruEdge™**  
The Science of Milling

**Location:** North Sea, UK  
**Rig:** Semi-Submersible  
**Casing Size:** 13¾, 20, and 30 inch  
**Well Head:** Vetco Gray SG-1

### CHALLENGE

The planned cut depth of 22 feet below the seabed was selected to address a challenging space-out configuration. Guide fins on the 20 inch and 13¾ inch extensions could have posed a risk to the cutting structure, potentially causing premature wear if the cut was attempted in those areas.

### SOLUTION

A knife design featuring our TruEdge cutter technology was deployed using an 11¾ inch pipe cutter. The enhanced tungsten carbide inserts improved cutting efficiency when combined with an optimized BHA tailored specifically for the operation.

### RESULTS

- Completed a triple-string cut in just 6 hours under challenging downhole conditions.
- Successfully cut 13¾, 20, and 30 inch casings using 49¼ inch sweep knives.
- The TruEdge™ cutting structure, combined with surface parameter monitoring, ensured a successful first-time triple-string cut.

