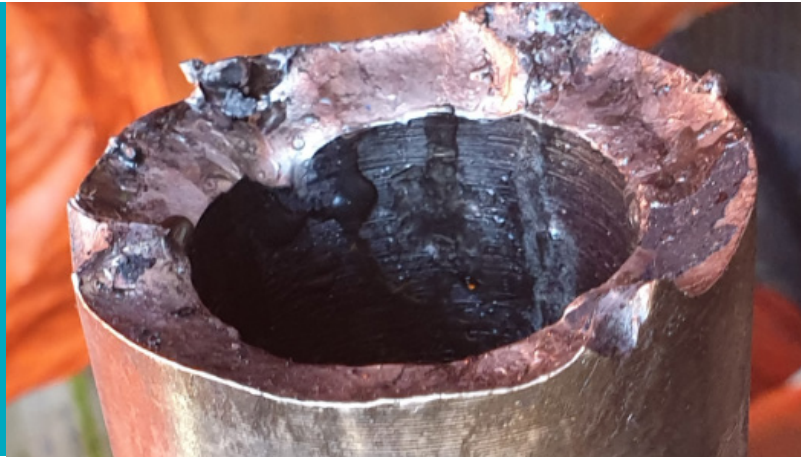


## Expro Excellence

# Expro designs bespoke RCT improving well integrity

## Well Intervention



### Objectives and background

- Total E&P contacted Expro to assist with a non-explosive cutting operation. The objective of this operation was to cut away the Flapper lockout tool stuck inside the Tubing Retrieveable Surface Controlled Subsurface Safety Valve (TRSCSSV); this was an integrity issue that required an engineered approach, without any damage to the TRSCSSV completion item
- Due to the narrow restriction of 1.5" in the Flying Lead Orientation Tool (FLOT), another non-explosive solution was not available in the market to cut the FLOT

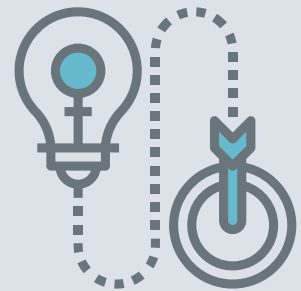
### Expro Excellence

- Expro proposed the Radial Cutting Service using the MCR oil tools. Total, Expro, and MCR together have managed to create a bespoke solution for Total by redesigning the current MCR system and by cutting the FLOT in half, allowing FLOT to retrieve in two sections
- The operation was performed in a gas environment, narrow space restriction, shallow depths to be able to cut the 0.375" thick section of the FLOT
- Using Expro's field experience and MCR's designing services, a solution was created that allowed Total to have the FLOT to be parted in two and no damage to the TRSCSSV component. A special RCT cutter was designed, allowing two cuts to be made at one single point

### Value to the client

- Intensive planning resulted in continuous operations with zero NPT
- By utilising Expro's solution, the contracted E-line company was able to minimise the deck space
- No damage to the TRSCSSV from the RCT cut and well integrity was maintained
- The solution enabled the well to produce again

### Innovative solution



### Safety



### Contact

For further information please contact:  
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