

WELL COMPLETIONS | INTELLIGENT COMPLETIONS

# CLCS - control line cut sub

Facilitates retrieval of SmartWell® completions

## FEATURES

- Fully compatible with standard Halliburton FMJ Connectors metal-to-metal seal fittings
- FMJ Connectors fitted to the splice sub are fully testable, using a standard FMJ Connector test kit
- All splice connections are set within the body of the sub for protection
- Easily disconnects the hydraulic FMJ Connectors by over pulling
- Easily severs the electrical line for successful removal of a complex upper completion.
- Integral profile for locating cutting tools
- Dedicated cut zone

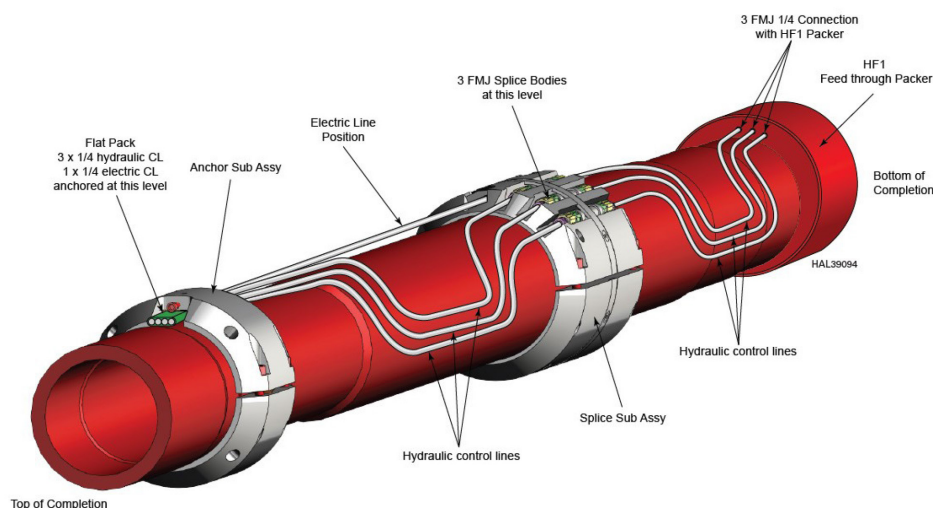
## BENEFITS

- Splice multiple hydraulic lines with a single Splice Sub Connector
- Freely bypass one bare electrical line
- Easily assembled in the field
- Minimizes workover operations

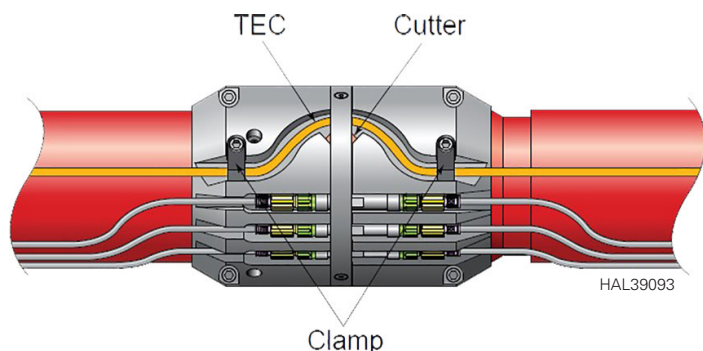
## Overview

The Halliburton Control Line Cut Sub (CLCS) incorporates reliable and TEC Cutter field-proven methods for effective removal of the tubing string and control lines in contingency situations. The CLCS help ensure proper retrieval of complex upper completions, ensuring a clean tubing stub for subsequent fishing operations.

The CLCS is used in SmartWell® completion systems where hydraulic line and electric line flatpacks are used, and where removal of the complex upper completion is necessary.



## How CLCS works



CLCS Assembly

The CLCS provides the possibility to chemically or physically cut the tubing string above a tubing packer. A foot long cut zone and an aligning nipple profile, helps ensure that the intervention tool will effectively cut in the appropriate target area.

Hydraulic lines are successfully disconnected by pulling on the tubing string, and overcoming the ratings of the FMJ fittings. In addition, the electrical line gets severed during the pulling motion of the string. Tension on the electrical line drives it against a cutting blade that swiftly severs the line.

## Connections

Halliburton's FMJ Connectors are used to make the splice connection and retained within the body of the clamp to protect the splices, flatpack and control lines from damage.

By using the metal-to-metal FMJ Connectors, completed connections can be pressure tested to ensure integrity.

The device also includes provision for bypassing at least one bare 1/4-in electrical line. This line is retained in a special section of the body clamp that contains a line severing blade for electrical connections.

The Splice Sub Connector is available in 4 ½ in. and 5 ½ in. configurations.

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