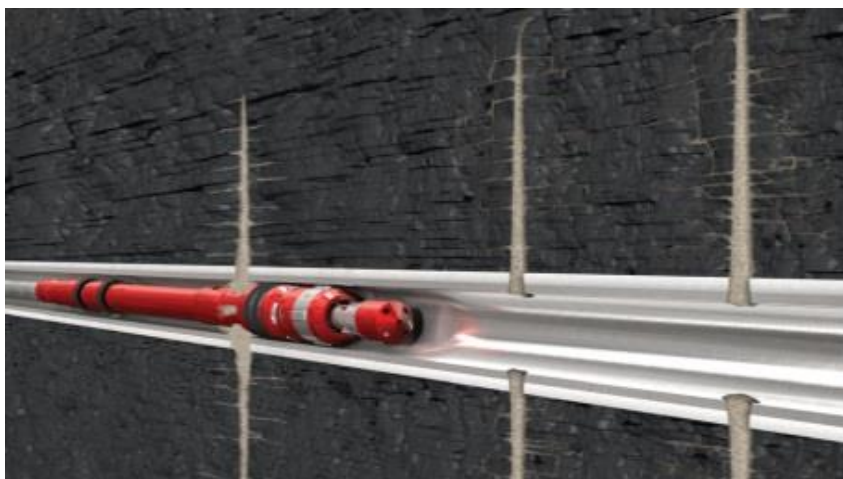


CobraFrac® Service

Multi-Stage Stimulation with Straddle Packer

CobraFrac service enables the placement of targeted stimulation treatments for a variety of scenarios including new wells, re-frac of existing intervals, and even adding new stages in existing wells to access previously bypassed pay zones.



The straddle assembly used in CobraFrac operations may consist of cup-cup SIP tools, cup-packer straddles, or packer-packer straddles using J-Slot, Compression, or even inflatable elements. The BHA is configured based on the target well parameters.

CobraFrac does not incorporate a perforating tool into the BHA and is intended for use on pre-perforated or previously stimulated intervals.

Stimulation treatments may include chemical applications such as acid fracturing as well as proppant fracturing, or even a mix of treatment types in a single well.

CobraFrac Operating Parameters

Well Completion	Perforation Status	Stimulation Flow Path	Isolation Method
Cased Wells	Pre-Perforated	Tubing	Upper and Lower Mechanical Seals

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

APPLICATIONS

- » Multi-stage fracturing in cased hole wells
- » Re-Fracturing existing stages
- » Stimulating previously bypassed pay
- » Stimulation pumped down the tubing
- » Vertical and horizontal wells
- » Live well operations

BENEFITS

- » Highly customizable BHA configurations to suit the target application
- » Mechanical isolation ensures accurate placement of stimulation treatment
- » Capable of treating multiple stages in a single run in hole
- » Targeted placement of treatment intervals ensures no bypassed pay
- » Eliminates the need to set plugs that must be removed later
- » Requires smaller operating footprint for improved environmental performance

FEATURES

- » Customizable upper and lower seal types to accommodate target well configuration
- » Configurable straddle length
- » Compatibility with specialized support tools such as the CupShield™ and Hydraulic Hold-Down for enhanced services

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.