

# Targeted Annular Perforating (TAP)

## PERFORATE AND SQUEEZE INTO SELECTIVE ANNULAR SPACES

### OVERVIEW

Due to varying well configurations and types, a unique or more tailored engineering approach is required to meet plug and abandonment governmental requirements, as well as operator-specific objectives for well designs.

Through extensive modeling, testing, and development of both tool technology and shaped-charge design, the Targeted Annular Perforating (TAP) approach provides a custom perforating solution for your unique P&A projects.

The TAP approach is reliable and efficient for providing flexibility in operational capabilities for abandoning a well, squeezing off zones, providing targeted casing penetration, and allowing annular cement squeezing for remedial work. This method isolates the tubular section by using a permanent mechanical plug while simultaneously allowing the perforation of the tubular and the spotting of cement into the annular section of a well geometry. This enables an overall reduction in time requirements for the abandonment.

The key parameter for determining the ability to abandon a well in a single trip relies on the capability to perforate a single or multiple number of annular sections while not extending past the intended zone of isolation or causing damage to exterior casings.

### FEATURES

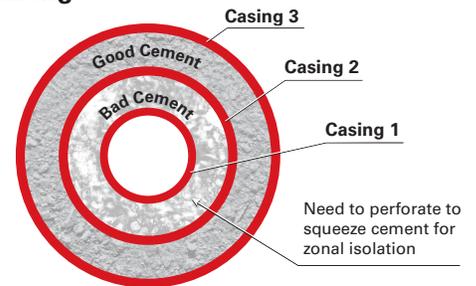
- » Single-trip operation with capabilities to isolate, perforate, and squeeze
- » Targeted casing entry, allowing annular cement squeezing
- » Can be deployed in a variety of casing sizes, weights, and wellbore conditions

### BENEFITS

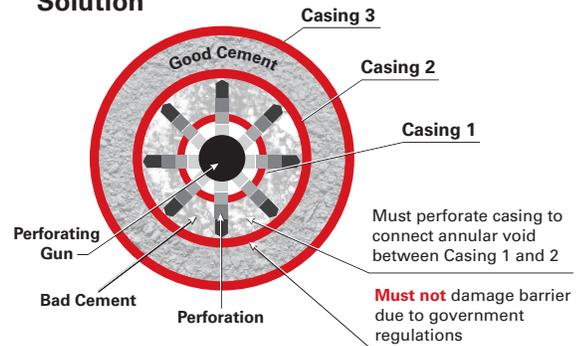
- » Reduces the total number of runs in the well
- » Provides a means of isolation, while creating a way to communicate with the targeted annular section to allow the placement of the barrier within the annular cavity in one trip
- » Extensive design and testing of shaped charges ensures perforations won't extend past the intended zone of isolation or cause damage to exterior casings
- » Confirms entry-hole size and total flow area to allow for successful movement of fluids during the abandonment process at sustainable pump rates and pressures

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

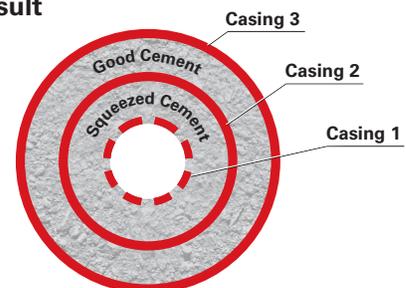
### Challenge



### Solution



### Result



*The success of the TAP system has been recognized by multiple operators around the world. This system has been proven to save rig time, reduce HSE exposure, and enhance the success of plug and abandonment.*

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.

H012522 12/17 © 2017 Halliburton. All Rights Reserved.