

WIRELINE AND PERFORATING

String shot/back-off services

Pipe recovery services

FEATURES

- Compatible with existing hardware:
 - Firing heads
 - Small sizes for pipe restrictions

BENEFITS

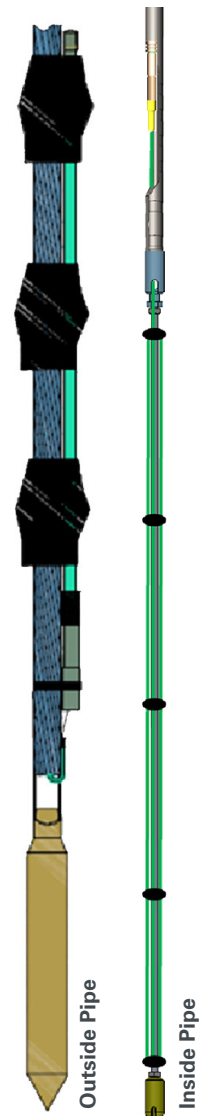
- Improve wellsite safety with the RED® Rig Environment Detonator for maximum security
- Release stuck packers
- Release overshot
- Enable annulus back-off
- Help establish circulation (drill bits)
- Have jumping collars
- Enable opening perforations
- Remove corrosion from pipe wall
- Easy wellsite assembly saves expensive rig time
- Conform to APR RP-67 regulations

Halliburton's string shot/back-off services are designed for efficient and reliable pipe recovery operations. A string shot is an explosive device used to create a depth-specific shock wave to assist in unthreading the downhole tubular connection. This enables the retrieval of pipe from the depth of the back-off.

RED® detonator for maximum safety

RED products do not contain primary explosives and are insensitive to many common electrical hazards found at the wellsite, including RF communications, welding, and cathodic protection.

Because the string shot is an explosive device, wellsite explosive safety issues must be discussed and understood by everyone at the wellsite. The RF-safe RED® detonator can be adapted for use with a string shot to enhance the safety of the explosives operation. The RED detonator eliminates the need for radio silence operations. This improves wellsite safety and allows normal rig procedures to continue uninterrupted during pipe recovery operations.



Back-Off Setup

Recommended string shot targets include drillpipe, drill collars, tubing, and casing.

HALLIBURTON STRING SHOT/BACK-OFF SPECIFICATIONS			
NOMINAL TOOL SIZE	OD	HOUSING MATERIAL	EXPLOSIVE TYPE* & RATING
IN.	IN. (CM)		PSI/°F (BAR/°C)
.6875	.6875 (1.75)	Steel	80 gr HMX PT 250 HNS
1.0	1.0 (2.54)		
1.375	1.375 (3.49)		15,950/374 20,160/392 (1099/190) (1389/200)
1.6875	1.6875 (4.28)		

* Primacord selection based on Rating

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

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.