

Sliding Sleeve Packoff

Sliding sleeve packoffs are designed to be attached to a lock type that matches the integral landing nipple in the sliding sleeve. When production from an upper zone is not desired and the sliding sleeve leaks fluid between the tubing and casing annulus when closed, a packoff is used to isolate this zone.

APPLICATION

- Isolate sliding sleeve ports to prevent fluid migration

BENEFITS

- Adaptable to most manufacturers' locks
- Adaptable to most sliding sleeve types

FEATURES

- Tapered nose
- Rugged, field-proven design
- Available in various materials
- Choice of sealing systems

Packoff assemblies are used to isolate the sliding sleeve ports and prevent migration of fluids between the tubing and casing annulus, as well as to provide a path for flow of production fluids to the surface.

DESCRIPTION AND OPERATION

A running tool and pulling tool appropriate for the attached lock are used to install and retrieve the sliding sleeve packoff assembly. The lock attached to the packoff anchors and seals in the tubing mounted sliding sleeve. The lock packing seals in the upper nipple bore of the sleeve, and the packing located on the lower end of the packoff seals in the bottom polished bore in the sliding sleeve. The simplicity of the packoff design assures ease of setting and unsetting the lock and packoff assembly by standard slickline methods. Downward jarring sets the lock, and upward jarring releases the lock from the sliding sleeve to allow retrieval of the packoff assembly.

The packoff is run into position on the appropriate running tool by standard slickline methods and is locked into the upper nipple integral to the sliding sleeve. The packoff allows restricted flow up the production tubing and completely seals off the ported area in the sliding sleeve.

The packoff lock is released by upward jarring using the appropriate pulling tool. Continued upward pulling removes the packoff assembly from the bore of the sliding sleeve, allowing it to be removed from the well.

