HALLIBURTON

WELL CONSTRUCTION | OPENHOLE ISOLATION SYSTEMS

ZoneGuard® shunt openhole packer

Help achieve zonal isolation of production zones with shunt capacity

FEATURES

- Alternate-path bypass feature
- High-expansion element package
- Anti-preset mechanism
- Small running OD
- Adjustable setting shear value
- Internal locking system
- Hydraulic-set mechanism with hydrostatic assist
- Hydrostatic-assist feature helps apply pressure on the element package

BENEFITS

- Large tolerance to openhole ID variations
- Improved slurry placement efficiency
- Supports isolation, inflow control, and injection operations
- Element package energized through hydrostatic pressure
- Expanded application envelope for widely deployed ZoneGuard® openhole packer
- Integration with PetroGuard® shunt screens and shunt shutoff modules

Overview

The ZoneGuard® shunt openhole packer expands on the established performance-focused ZoneGuard® HE openhole packer design. The system incorporates a distinct bypass design to execute alternate-path multizone gravel pack operations in the reservoir. This capability improves slurry placement along the target interval.

The ZoneGuard shunt openhole packer contains a high-expansion packer element to help seal wellbores with wide variations in hole-gauge ID. The element has a multipiece multi-durometer configuration equipped with a unique backup system that supports sealing performance. The small running OD, anti-preset mechanism, and internal locking system simplify installation and help support effective packer setting. The ZoneGuard shunt openhole packer also includes a hydrostatic-assist setting feature to help balance pressure and reduce nominal setting pressure.

This packer can be integrated with Halliburton PetroGuard® shunt sand control screens and the ZonePac™ OHGP system to perform gravel packing in multiple zones of an openhole completion. When installed with the PetroGuard shunt shutoff module, the ZoneGuard shunt openhole packer system supports zonal isolation between production zones.



ZoneGuard® shunt openhole packer

Applications

The ZoneGuard® shunt openhole packer is deployed as an integral part of the completion string and can be set using the hydraulic-set mechanism with hydrostatic assist.

This packer is primarily deployed in alternate-path gravel packing applications because of its unique bypass design. This bypass feature complements the established components standard in the Halliburton ZoneGuard openhole packer portfolio.

Applications include:

- Deepwater and mature assets
- Openhole or cased-hole completions in horizontal or vertical wells
- Sand control with alternate-path or shunted gravel pack operations
- Production management
- Stimulation treatments
- Reservoir compartmentalization

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

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