Optimize Reservoir Contact with RapidStage® Sleeves and AccessFrac® Stimulation Service

By successfully integrating the latest RapidStage® half-drop frac sleeve systems and AccessFrac® stimulation service, you can DOUBLE the number of stimulated fractures per zone compared to conventional methods. This combination helps optimize completion efficiency, while enabling more stages to be simply delivered for increased reservoir contact, resulting in a lower cost per barrel of oil equivalent (BOE).

Increase Efficiency in Extended-Reach Laterals

Solutions for multistage unconventional completions continue to evolve as advancements in extended-reach drilling (ERD) are made. Operators want economical, risk-averse solutions to address the challenges they face in extended-reach lateral (ERL) completions. Halliburton RapidSuite frac sleeve systems include a portfolio that has been proven effective in ERL applications.

These cost-effective, interventionless solutions have no impact on the stimulation program and are able to provide more lateral length, more reservoir contact, and more production, while reducing cost, reducing risk, and reducing time. At Halliburton, we make it easy to do more with less.

Frac Sleeve Systems

UNCONVENTIONAL COMPLETION SOLUTIONS DESIGNED TO MAXIMIZE EFFICIENCY

ZoneGuard® Openhole Packers

ZoneGuard® isolation packers are designed for openhole and cased-hole applications where multi-zone isolation is required for stimulation, fracking, or gas production operations. The packer uses a unique design to deliver a pack with backup and deployment systems to deliver consistent sealing performance to a defined range of openhole and casedhole conditions.

RapidSuite sleeve technology can also be integrated with Halliburton SoluCem™ acid-soluble cement for yet another zonal isolation option.

Reliable Zonal Isolation

To create transverse fractures through multiple sleeves, it is vital to ensure effective isolation between sleeves to create productive entry points. Halliburton offers sealing options that are tailored to your completion requirements.

Swellpacker® Systems

Swellpacker® zonal isolation systems provide a simple method of isolation without requiring the use of conventional setting mechanisms, to address a wide range of water-based or oil-based fluids. Swellpacker systems can be used in both cased hole and openhole applications.

The hydraulically set ZoneGuard® packer, with a 10,000-psi rating, can be used in place of Swellpacker® systems.

Swellpacker® Systems

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RapidStage® ME System

RapidStage® ME systems are a simple method of isolation, without requiring the use of conventional setting mechanisms, to address a wide range of water-based or oil-based fluids. RapidStage™ systems can be used in both cased hole and openhole applications.

RapidStage® SE System

RapidStage® SE systems are a simple method of isolation, without requiring the use of conventional setting mechanisms, to address a wide range of water-based or oil-based fluids. RapidStage™ systems can be used in both cased hole and openhole applications.
RapidStart® Initiator CT Toe Sleeve

RapidStart® Initiator System (not shown)
The RapidStart® Initiator sleeve, actuated by applying hydraulic pressure to the casing inside diameter (ID), can be used to create a flow path at the toe of a cemented or packer-isolated casing string.

RapidStart® Initiator CT System
The RapidStart® Initiator (Casing Test) CT sleeve is a pressure-operated fracturing sleeve designed to enable a casing pressure test prior to opening and establishing a fluid flow path to the target formation. This sleeve can be used with either multistage fracturing sleeve systems or plug-and-perforate operations.

RapidStage® (Single-Entry) SE System
The RapidStage SE sleeve is a ball-activated frac sleeve for independent stage fracturing through individual sleeves. This system enables 50 or more stages in a single completion.

RapidStage® (Multi-Entry) ME System
The RapidStage ME system applies hydraulic pressure to a set of floating frac sleeves. The floating frac sleeves are then opened with a single ball launched from surface.

RapidStage® ME Cemented System
Cementing RapidStage ME sleeves in a wellbore provides an efficient completion method by creating numerous frac treatment entry points with the dependability of cement isolation.

RapidShift® Multistage Stimulation And Production Sleeve System (not shown)
This sleeve provides an interventionless means of establishing a flow path to frac a well of a composite fracturing sleeve system or plug-and-perforate operations.

RapidShift® CT sleeves enable the additional feature of performing a coring operation (if desired)

RapidShift® Initiator CT Sleeve

RapidShift® Initiator CT Toe Sleeve

Enhanced Toe Sleeve Solutions
RapidStart and RapidStage composite CT sleeves provide an interventionless means of establishing a flow path to a well of a composite fracturing sleeve system or plug-and-perforate operations.

RapidShift® CT sleeves include the additional feature of performing a coring operation (if desired)

RapidShift® Initiator CT sleeves enable the additional feature of performing a coring operation (if desired)

Also available from the Halliburton line of Unconventional Completion equipment is a line of Obsidian™ sleeve systems designed to cover a wide range of reservoir requirements and downhole environments, once the well is ready for stimulation.

For operational legacy little or no post-stimulation intervention, Illusion® dissolvable frac plugs are available.

Frac Sleeve Systems Make It Easy to Do More with Less

Halliburton Unconventional Completion systems provide a wide range of tools and technologies to help customers:

- Increase productivity
- Maximize resource recovery
- Reduce costs
- Minimize environmental impact

Halliburton's Swellpacker® System is a fully-contained sleeve system that provides a reliable and cost-effective completion solution for a variety of applications.

RapidStage® ME System

RapidStage® System

RapidStage ME System

RapidStage ME System

RapidShift® ME System

RapidShift® System

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ZoneGuard® Openhole Packers

ZoneGuard® isolation packers are designed for openhole and cased-hole applications where multi-stage isolation is required for stimulation, fracturing, or gas/liquid production operations. The packer shoe is a permanently designed deployment pad with load cell and deployment systems to deliver consistent weight performance to a defined range of openhole and casedhole conditions.

RapidSuite sleeve technology can also be integrated with Halliburton SoluCem® acid-soluble cement for yet another zonal isolation option.

Reliable Zonal Isolation

To create transverse fractures through fracture sleeves, it is vital to have effective isolation between sleeves to create wellbore integrity. Halliburton offers swelling-type swellable elastomers to create reliable zonal isolation between sleeves. Swellpacker® zonal isolation systems provide a simple method of isolation without requiring the use of unconventional setting mechanisms, to deliver a wide range of wellbore isolations. Various elastomers are available to reliably seal and control injection of inert and acid-based fluids. Swellpacker® elastomers are dual swollen both swellable and downhole deployment applications.

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In theory, this technology may also help avoid the need for conventional gravel packs or propped fracture completions.

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Reliable Zonal Isolation

To create transverse fractures through multiple sleeves, it is vital to have effective isolation between sleeves to create productive entry points. Halliburton offers several types of isolation technologies, depending on your completion requirements.

Swellpacker® Systems

Swellpacker® zonal isolation systems provide a simple method of isolation without requiring the use of unconventional setting mechanisms, a critical need in a wide range of unconventional completions. With various elastomers available to reliably seal and isolate the fracture, Swellpacker systems can be used in both cased hole and openhole completion applications.

The hydraulically set ZoneGuard® packer, with a 10,000-psi rating, can be used in place of Swellpacker® systems.