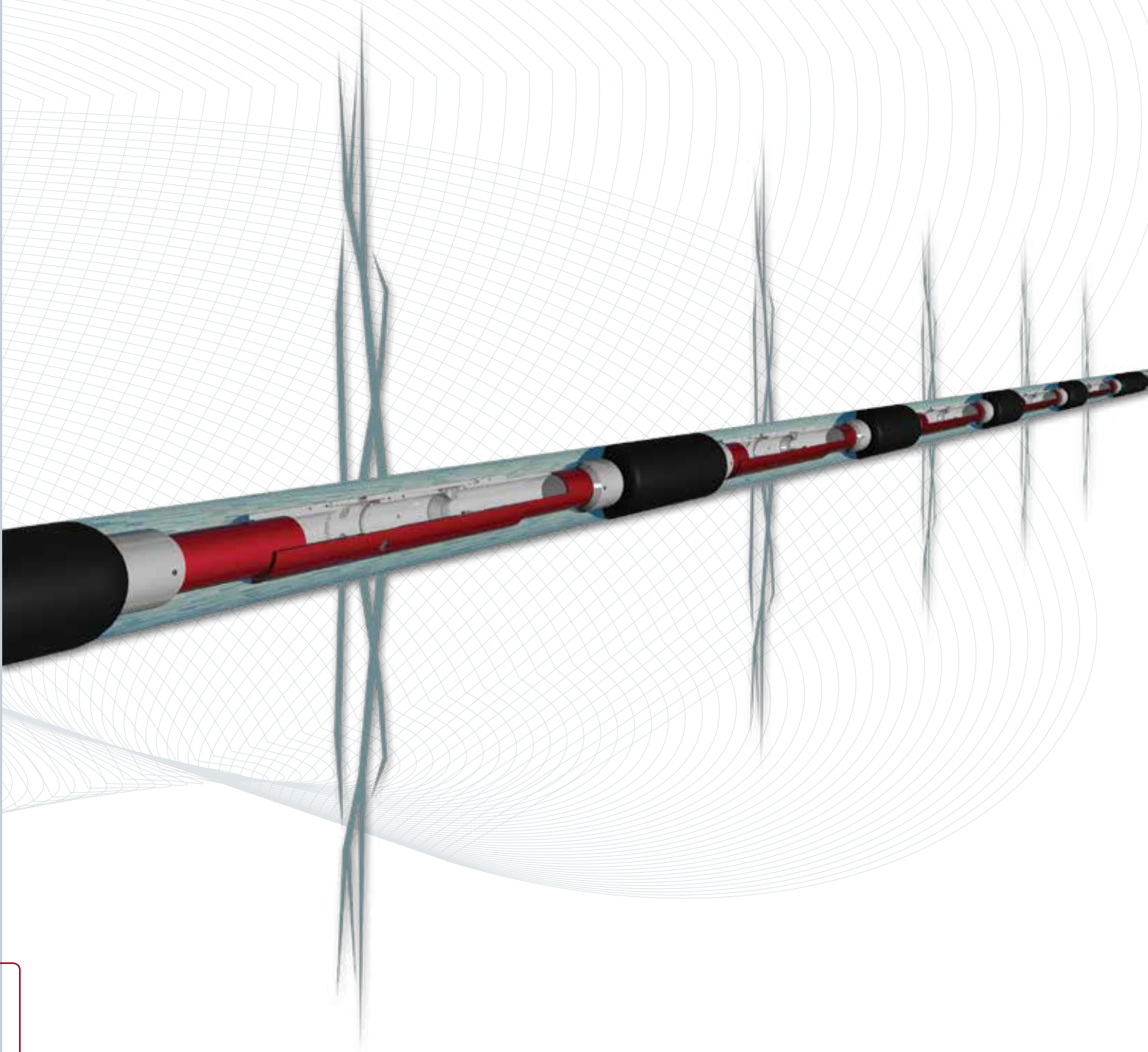




# Weatherford®

## Multizone Completion Technologies



Drilling



Evaluation



Completion



Production



Intervention

### Lower completions

- Coiled-tubing fracturing systems
- Composites
- Fracturing sleeves
- Openhole packers

Maximize production with a customized completion for each zone, using innovative technologies from the industry's most comprehensive portfolio.

Maximize production.

Reduce operating costs.

Save valuable time.

Weatherford's innovative multizone completion technologies—from the industry's most comprehensive portfolio—enable enhanced productivity and cost savings for operators while reducing nonproductive time and wellbore damage. Each system is uniquely modular with an extensive toolbox that enables a customized completion design for individual zones in your reservoir. The toolbox includes the optimal isolation method, frac sleeve, and/or composite plug to maximize total production. Our portfolio also contains components featuring radio-frequency identification (RFID) technology and unlimited sleeves with a single ball size.

We customize your system to open, isolate and fracture each zone based on its length, geologic conditions, configuration and other unique characteristics. With the industry's largest and most complete product and service portfolio that spans the life cycle of a well—drilling, evaluation, completion, production and intervention—we're uniquely positioned to design and service the ideal zone-by-zone system that addresses every aspect of your well.



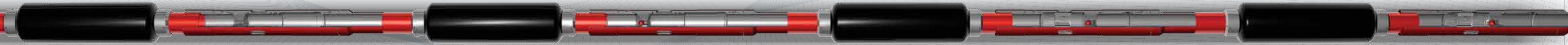
# Multizone Completion Technologies

## ZoneSelect® Fracturing Completion System

The *ZoneSelect* completion system combines sleeves with zonal isolation, either through cement or openhole packers, to enable a single-trip completion installation. During stimulation, the sleeves are opened and the zones are stimulated individually from the toe to the heel of the well. Treating zones “on-the-fly” results in the most efficient fracturing methodology by eliminating the need for wireline or coiled-tubing operations during the stimulation. The well can also be brought on production without the need for milling operations.

> *ZoneSelect* sleeve designs provide the industry’s most identifiable pressure signature for sleeve opening, ensuring operators the stimulation reaches its target.

> *Fraxis*® annulus swellable packers offer high-performance frac isolation for *ZoneSelect* completions. A patented metal backup system provides a robust seal while reducing the overall stiffness and complexity of completions.

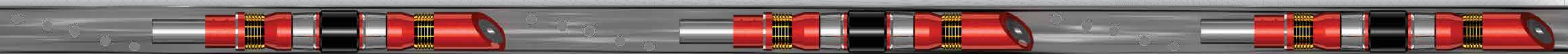


## FracGuard® Composite Plug

The *FracGuard* composite plugs are pumped down with perforation guns and set, the zone is perforated and the stimulation is pumped into the zone. Perforating guns conveyed above the plug make single-trip plugging and perforating possible. The operation is repeated from the toe to the heel until all zones have been treated. As reservoir data is made available, the length and number of zones can be modified accordingly and in real time. Finally, the plugs are milled up and the well is put onto production.

> The *FracGuard* composite plug portfolio offers fit-for-purpose answers whether the application calls for ball drop, high flow-back, slim OD, or temperatures exceeding 300°F (149°C), accelerating operations and reducing rig time.

> *FracGuard* composite plugs may be combined with *ZoneSelect* fracturing completion systems for more flexibility.



## ZoneSelect® CT

*ZoneSelect* CT enables access to individual zones in the reservoir with a coiled-tubing-actuated sleeve and single coiled-tubing bottomhole assembly (BHA). With *ZoneSelect* CT, a sleeve is actuated using the coiled tubing, a resettable coiled-tubing packer is set below the sleeve, and the zone is stimulated while the coil remains in the well. This process is repeated for all the sleeves in the well from the toe to the heel of the completion. If needed, a sand jet perforator can be used to create additional zones “on-the-fly.” At the conclusion of the treatment, the coiled tubing is pulled out of the well, leaving a monobore completion that can immediately be put on production.

> *ZoneSelect* CT eliminates the need for milling operations after the stimulation, which could damage sensitive reservoirs.

> Accurate pressure-monitoring capabilities provided by the coiled-tubing string in the well during stimulation operations enables real-time adjustments for each individual zone.



## Proven reliability, safety and performance

Worldwide, zones in horizontal and deviated wellbores have been completed with *ZoneSelect*® and *FracGuard*® systems in unconventional shale, tight-gas and oil-sandstone formations.

Custom-fit systems have been deployed in U.S., Canadian, Russian, Chinese and eastern European land operations as well as offshore operations in Norway and Romania.

Discover all the advantages of Weatherford’s multizone completion technologies and how *Tactical Technology*™ can save you substantial completion time and costs. Contact a Weatherford representative or visit [weatherford.com/zoneselect](http://weatherford.com/zoneselect).



Multizone Completion Technologies

The most innovative and comprehensive portfolio in the industry

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