

MultiCycle frac sleeves

More options for multistage completions, production, and remediation

New MultiCycle™ frac sleeves give you ultimate flexibility when completing a well, managing production, and performing well refracs and remediation. Now, you have the option of fracturing stages out of sequence, and you can close and reopen selected intervals as needed over the life of the well without having to use a workover rig.

Applications

- For use with the Multistage Unlimited® coiled-tubing frac system
- Prefrac injection test along the lateral, not just at the toe.
- Frac stages in any desired order
- Prevent proppant inflow after a frac, while formation pressure stabilizes
- Selectively shut off water production, unwanted gas production, and thief zones
- Selectively re-stimulate under-performing zones and add new stages while securing the wellbore above

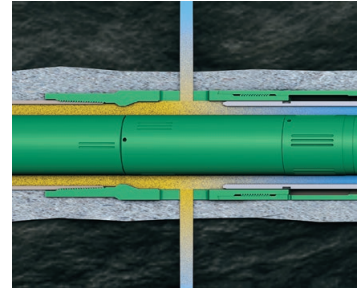
Features

- Same dimensions and pressure ratings as standard NCS GripShift™ sleeves
- Full-drift design permits conventional cementing and provides a production-ready wellbore after stimulation
- Designed to match the specifications of the host casing string
- Can be installed in any order
- Supplied with pretorqued pup joints to handle and make-up like casing joints
- Cannot be opened or closed accidentally

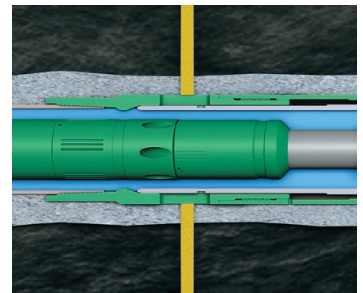
How MultiCycle casing sleeves work

For completions, the MultiCycle isolation assembly on coiled tubing locates the sleeve, isolates the stage for stimulation and shifts the inner barrel down to open the frac ports. The sleeve can be closed after the frac by pulling on the coiled tubing. After closing, the tool is cycled to the travel mode and pulled up to the next target sleeve. During production or remediation, similar tools locate the sleeve for reclosing and reopening as required.

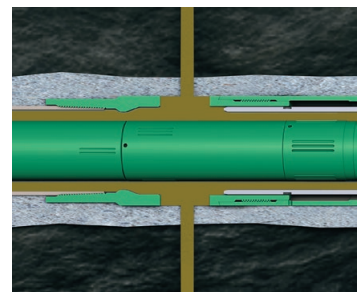
A new way to frac



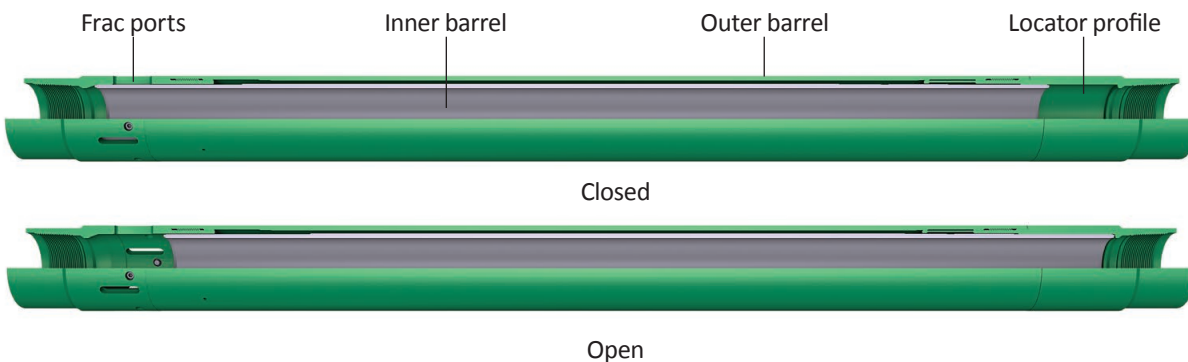
Shift sleeve open and frac



Reclose sleeve, let frac heal



Reopen sleeves, produce well



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