Pinpoint Multistage Fracturing Using a Unique Bridge Plug and Hydrajet Perforating (CobraElite® Service)

Enables Fracturing Multiple Zones Individually using a Single Retrievable/Resettable Bridge Plug

Operators can now quickly and cost-effectively stimulate multiple zones that require larger, higher rate treatments than are possible with conventional coiled tubing-based fracturing. CobraElite® fracture stimulation service uses Hydra-Jet™ perforating service with a unique bridge plug that can be set and unset multiple times without coming out of the hole. This service provides important benefits:

- Improves near-wellbore connectivity to the fracture.
- Provides improved efficiency over conventional fracturing, adding new production faster.
- Enables perforating and fracturing in the same trip in the hole.
- Requires fewer trips in the hole and to the wellsite for improved environmental and safety performance.
- Eliminates the need to drill-out composite plugs after a multiple interval fracturing completion.
- Provides built-in contingency for screen-outs.
- Enables all operations to be performed on a live well.
- Enables minifrac diagnostics since target zones are completely isolated from previously stimulated zones.

CobraElite service is applicable to treatments of two or more stages in vertical or horizontal wellbores at rates up to 40 bbl/min.

Bottomhole Assembly (BHA)

- Unique packer design enables multiple sets.
- Pressure to set, pressure to release.
- Slips and ratchets located below packer helps improve reliability.
- Large bypass area minimizes plugging.
- Rated at 10,000 psi differential pressure across the bridge plug, 350°F.
- 4-1/2- and 5-1/2-in. assemblies available.

Compared to conventional perforating (top), Hydra-Jet™ service perforating does not damage or pre-stress the area around the perforation tunnel.
A key feature of the CobraElite service process is the use of Hydra-Jet service for perforating and fracture initiation which improves near wellbore connectivity to the fracture.

**Hydra-Jet℠ Perforating Service**

Halliburton’s Hydra-Jet perforating service provides several benefits:

- Can be performed on a live well.
- No temperature limits with the BHA.
- No explosives on location.
- Enables perforating multiple payzones in a single trip.
- Enables performing an immediate injection test to confirm injection.
- Eliminates perforation damage associated with explosive charges.

For more information about how CobraElite® service can help make your multiple-stage fracturing treatments more cost-effective, contact your local Halliburton representative or email stimulation@Halliburton.com.