CobraMax® H Fracturing Service
Proven Pinpoint Stimulation Technology to Effectively Fracture Horizontal Wellbores and Overcome the Effects of Flow Convergence - A Halliburton Top Technology for 2007

CobraMax® H service provides highly efficient performance for fracturing multiple-interval horizontal wells completed with unperforated, cemented casing. The process is especially beneficial since in horizontal wells flow convergence from the fracture into the wellbore can cause a significant loss in production. The proppant pack as a final stage of each fracture treatment helps achieve maximum conductivity in the near-wellbore region where flow convergence issues are the most extreme.

The service enables optimizing key treatment parameters such as injection rate, proppant volume, and proppant concentration. CobraMax H service takes advantage of the well control capabilities and speed of coiled tubing and provides several important benefits:

• Enables perforating and fracturing in the same trip in the hole.
• Eliminates the need to set mechanical plugs that must be removed later.
• Enables the use of conventional coiled tubing units, typically 1-3/4-in. or 2-in. OD units.
• No temperature limits with the bottomhole assembly (BHA).
• No depth limitations, except for the reach of the coiled tubing.
• Enables fracturing in casing sizes of 3-1/2 in. or greater.
• No downhole packer or bridge plug to manipulate.
• All operations are on a live well.

HSE and Quality Focus

• Requires fewer trips in the hole and to the wellsite as compared to conventional multistage treatments.
• Requires a smaller operating footprint for improved environmental performance.

CobraMax H service is continually monitored and improved under Halliburton’s Correction, Prevention and Improvement (CPI) process to achieve a high level of health, safety and environmental performance. Halliburton’s Management System (HMS) process helps achieve global transfer of best practices and consistently high service quality.

Implementing CobraMax H Service

The process is performed with a coiled-tubing-deployed Hydra-Jet™ bottomhole assembly. The BHA is moved to the first target and perforating is accomplished by hydrajetting via the coiled tubing. The annulus is closed in to enable breaking down the perforations and the fracture treatment is pumped through the annulus.

During the fracturing treatment, the coiled tubing is moved toward the next interval to be treated and acts as a dead string for fracture diagnostics. A final proppant stage of uncrosslinked fluid with high proppant concentration is pumped to induce a near-wellbore proppant pack that further improves near-wellbore conductivity and acts as a diversion for treatments further uphole.

When all intervals have been treated, the well is cleaned-out with the coiled tubing unit and the well can be jetted or flowed to recover treatment fluid.
For more information about how CobraMax® H service can help add production from horizontal wellbores and improve your ROI, contact your local Halliburton representative or e-mail stimulation@Halliburton.com.

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