

Matrol™ Conformance Service

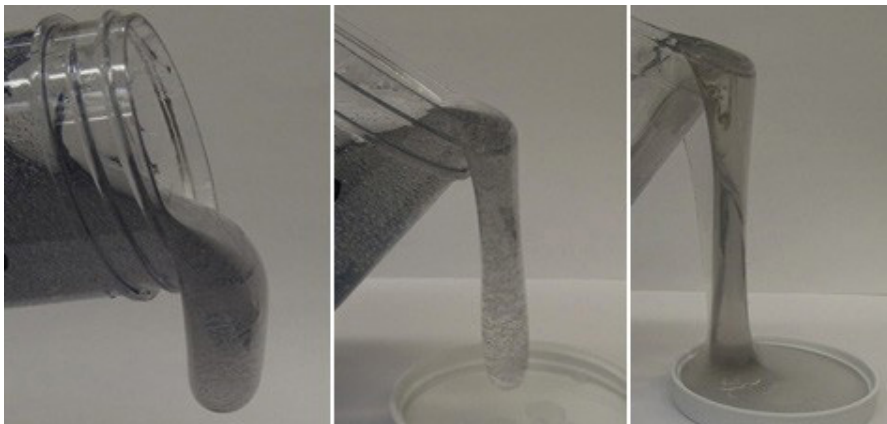
CUSTOM WATER AND GAS SHUTOFF SYSTEM FOR FRACTURED FORMATIONS

OVERVIEW

Halliburton Matrol conformance service is specifically designed to help control unwanted fluid production, water or gas, in wells producing from reservoirs in highly fractured formations. This conformance service can also be used to block thief zones in injection wells to improve production from unswept portions of the reservoir.

The system utilizes a high-molecular-weight base polymer, which limits leak-off into the matrix surrounding the fractures. A delayed crosslinker allows for precise placement of the fluid into the targeted zone(s), resulting in a three-dimensional gel structure. This gel is highly effective at plugging the targeted fractures, blocking flow of unwanted fluids from producing wells, or stopping injection of fluids into thief zones.

The polymer concentration is easily customized, as illustrated below. This customization allows for larger job volumes, which may be required in extensive fracture networks, by utilizing lower polymer concentrations in the early stages. In addition, for producing wells, the Matrol gel system can be combined with other Halliburton gel systems, such as H2Zero® conformance service or EquiSeal® conformance service, which provide rigid/ringing gels in the near-wellbore region.



Left to right, illustrating progression of polymer concentration from 10,000 to 7,000 to 5,000 ppm

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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BENEFITS

- » Economical gel system for highly fractured formations
- » Wide temperature range of application, from 75°F (24°C) to 220°F (93°C)
- » Customizable formulations, from low to high polymer concentrations
- » Backed by Halliburton reservoir- focused conformance control engineering and technology