RESPROTECT CET (Conductivity Enhancement Technology)

ResProtect CET is designed to preserve conductivity in hydraulically fractured reservoirs by significantly slowing the embedment of granular proppants into newly fractured reservoir rock. Using Dry Creek Solutions' patented biopolymer technology, ResProtect CET is specifically designed to interrupt the hydration of newly exposed minerals without structurally changing them; thus, the increase in Young's Modulus is slowed as the reservoir produces hydrocarbons.

- Current stimulation fluids, with and without breaker, are softening the fracture face, embedment of proppant, and decrease in conductivity
- Lab results suggest ResProtect CET can help mitigate these issues and increase conductivity anywhere from 20 to 45% depending on the reservoir
- ResProtect is a proprietary biopolymer, that targets reactive minerals on the fracture face. ResProtect has the potential to change the way Operators design their stimulation fluid systems
- In addition to increased conductivity, ResProtect will significantly decrease fines migration which will only further help the production of each well while keeping the fracture network open longer.

DRY CREEK SOLUTIONS SOLUTION

ResProtect CET is a novel functionalized biopolymer solution for fighting proppant embedment. ResProtect CET stops clay hydration without altering the structure of reactive minerals and while maintaining fracture face hardness. ResProtect CET lowers the average pit depth and maintains fracture width in complex reservoirs. By preserving hardness, a new tool to sustain fracture conductivity is now available for stimulation fluid design. Operators seeking to achieve higher levels of sustained production use ResProtect CET to address the complex nature of unconventional reservoirs.

- Fracture conductivity enhancement
- Sustained production
- Reduced Proppant embedment
- Reduced fines migration

Color: Light Tan to Black*	Freezing Point: -13.0°C
pH: 5.0 - 7.0	Pour Point: -10°C
Specific Gravity: 1.112± 0.030	Flash Point: N/A
Density: 9.263 (lbs/gal) ± 0.250	Hazardous: N/A

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