

MC S-2101 Inhibits CaCO₃ Deposition Single Treatment Lasts over 5 Months

BACKGROUND

This operator's well is a vertical 1200 ft. in coal bed methane producing area. The well has had frequent failures resulting in high lease operating expenses (LOE).

ISSUES

The well had the bottom hole pump changed three times in less than one month. Deposition was causing the failures.

ANALYSIS

Multi-Chem's local technical team obtained a solids sample when the pump was changed. Laboratory analysis revealed that the solids contained high levels of calcium carbonate mineral scale. Based on lab and field evaluations, MC S-2101 was selected to inhibit the CaCO₃ scale.

RESOLUTION

A batch treatment of MC S-2101 was applied, using 25 gallons of S-2101 followed by a flush with 10 bbls of 2 % KCl. The well was shut-in for a 24 hour period. Afterwards, the operator ran rods and pump into the well and production resumed.

DELIVERED VALUE

For over five months following the treatment with MC S-2101, no additional pump failures have occurred. The batch treatment has provided the operator with manpower and equipment savings reducing LOE, as well as stabilizing the well's production.

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