

MC S-2041 Inhibits CaCO₃ Scale

Producer Saves \$125,000 in Cleanup Costs and Lost Revenue

BACKGROUND

This newly drilled well was fractured without the use of a scale inhibitor.

ISSUES

The well was put into production making about 3.5 mmcf / d and 300 bwpd. The well scaled on the surface, from the dump valve of the separator to the line to the stock tank. Within 24 hours, the dump valve and line would scale up. This resulted in the well being shut-in while the operator cleaned the dump and line.

ANALYSIS

Multi-Chem analyzed the deposition and determined it contained 89% calcium carbonate scale. MC S-2041 was selected to inhibit the CaCO₃ scale.

RESOLUTION

Prior to treatment, MC S-2099 was injected into the flow line to clean the lines, vessel and dump. A continuous injection of MC S-2041 was then initiated into the flow line at the well head at a rate of one gallon per day. The injection of MC S-2041 kept the line from scaling up again. The well cleaned up in about 30 days the injection of SS-2041 was discontinued. The total cost for the short term program was approximately \$600.

DELIVERED VALUE

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