

## MC M-8172 Removes Coal Fines Hydraulic Pump Run Time increases along with Gas Production

### BACKGROUND

This well had begun to lose production and the operator's personnel were in the process of having a workover rig out the next week to pull the pump and determine the cause of the problem.

### ISSUES

This company had a Hydraulic pump that was sticking. The water production was on the decline. The well was in the Fruitland Coal zone that produces coal fines.

### ANALYSIS

The water that was being produced was clean and clear as drinking water. Coal fines act as a filter and cleans the water. The hydraulic pump was "tagging" and would come up 1 foot, hang, and then jerk free. Multi-Chem field personnel ran several on site tests and determined that MC M-8172 in an aqueous solution would remove the fines and keep the pump running.

### RESOLUTION

The well was treated with 5 gallons of M-8172 mixed into 20 bbls of water just prior to applying it. As soon as the product was pumped the well was opened. Once the the pressure came back, the hydraulic pump was re-started to lift the water and remove the coal fines out of the system.

### DELIVERED VALUE

The water production climbed from 15 bbl/day to 100bbl/day. It leveled out at 40bbl/day. Gas production, which varied from 80mcf/day to 350mcf/day, maxed out at 420mcf before leveling off at 410mcf/day.

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