

## MC M-8021 H2S Scavenger Eliminates Safety Hazards of H2S Well Produces 480 MCF/day H2S-Free Gas

### BACKGROUND

A gas well located Parachute Colorado producing from multiple zones had a high level of H2S gas, analyzed at 125ppm. The production on the well is 480 mcf/d. Bacteria levels are high and far back in the formations

### ISSUES

Well with high H2S levels poses safety issue for the operator's personnel and land owners in the area. The well was in jeopardy of being shut-in unless the H2S levels were reduced.

### ANALYSIS

Multi-Chem was asked to scavenge the H2S gas at the wellhead. The 7000 ft. well is producing 480MCF/day, and 75 BWPD. bbls water/day. Based on testing, MC M-8021 H2S Scavenger was shown to be the most cost effective solution.

### RESOLUTION

Multi-Chem field personnel attempted to use an atomizer at the wellhead, but with the short contact time between injection point and sample point, it was impossible to get a good reading to prove the H2S was being scavenged. The MC M-8021 was then injected down the backside initially at 12 gal/day to eliminate the H2S, but twice as much as theoretically required. The operator then ran cap string down the tubing 4000ft. and chemical was injected through the cap string. This application and was able to decrease the chemical to 6 gal/day and control the H2S.

### DELIVERED VALUE

Multi-Chem was able to scavenge H2S before it reached the surface so the land owner and BLM won't ask for the well to be shut in due to safety and environment.

\$88 / day chemical investment

480 MCF/day H2S free gas produced on a continuous basis.

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