

Microbial Activity Halted with MC B-8650 & MECT1 Treatment

H2S Levels Reduced Below 4 ppm to Meet Sales Specs

BACKGROUND

This was a newer well that had just been taken off of flowback, but was left on a temporary separator until everything was hooked up and ready to go. It had been in production for about a month and the H2S in the holding tanks was significant, causing the gas to be rejected at the sales meter.

ISSUES

H2S in the salt water tanks was getting out of control. The H2S was not an issue on the well.

ANALYSIS

The local Multi-Chem Rep checked several places on the pad and in the area with wells that were communicating. H2S levels were run them on the RENTED separator and leased equipment. H2S was strong at about 120 ppm out of the separator. There was also an abundance of Iron Sulfide in the horizontal treater on the trailer. Bug bottles were shot on the temporary equipment as well as the holding tanks and the results indicated 6-8 positive bottles in the equipment and 3-4 positive bottles in the holding tanks.

RESOLUTION

Multi-Chem set up a treatment program. First the temporary separator was batch treated with 20 gallons of MC B 8650. Then, the holding tanks were treated with 4 packs of MECT1. The two tanks were rolled with 15 gallons MC B 8650 biocide. After treatment, the equipment was shut-in for 24 hours and then returned to production. A week later, the temp equipment was treated with 10 gallons of MC M-8280 to aid in removing the Iron Sulfide.

DELIVERED VALUE

The microbial activity in the holding tanks was ceased. Additionally, by killing the bugs, the H2S levels and corrosion rates were significantly reduced. This treatment program has resulted in the gas being accepted at the sales meter, well below the 4 ppm specs.

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