

Multi-Chem H2S Scavenger Effectiveness Increased with Tower Multi-Chem Manager Designs Tower to Help Operator Cut Costs \$240/day

BACKGROUND

Multi-Chem was treating a 2" sales-line with H2S Scavenger. The line had very little contact time. To scavenge the H2S to pipeline specifications of <4.0 ppm, 15/gpd of scavenger was used. The operator was concerned about the costs to treat this gas and asked Multi-Chem to assess the situation.

ISSUES

This operator was producing low amounts of gas, approximately 50 mcf/day containing 35ppm H2S.

ANALYSIS

After trying several different atomizer tips and different types of chemical with no success in reducing chemical consumption, and owing to the fact that the chemical pump in use malfunctioned frequently, it was decided to build a small bubble tower.

RESOLUTION

The local Multi-Chem representative designed a small tower, roughly 15' tall made from 10 ¾ in casing. The tower contained an inlet, outlet, chemical injection point, and 2 sparger plates. When the tower was installed, chemical usage decreased from 15/gpd to 2/gpd. H2S levels were 0ppm.

DELIVERED VALUE

Multi-Chem was able to save the operator over \$240/day. The operator was so pleased with the added value this mechanical fix brought, that several more of these units were installed in the field. This operator set up Multi-Chem as his sole source supplier.

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