

MC EB-1590 Reduces Filter Changes Operation Downtime and Filter Cost Reduced

BACKGROUND

Unsure of the exact cause, the operator suspected that a foaming program on the wells coming into the compressor was causing the problem with the filters.

ISSUES

This Operator was having flow issues on the upstream side of the compressor going through the filters. This required frequent filter changes, every two to three days.

ANALYSIS

Investigating the problem, the local Multi-Chem technical team collected samples from the filters and checked wells that were being foamed to see if carryover into the gas was possible. The Foamer had been shut off for several weeks prior to the last system upset. The samples were analyzed and found to be consistent with compressor oil. A visual inspection of one sample showed it to have a hazy purple appearance, as well as being very thick.

RESOLUTION

Multi-Chem bottle tested several emulsion breakers to find one that would reduce the problem. MC EB-1590 produced the fastest results and most efficient separation of water and oil. MC EB-1590 was initiated at an injection point upstream of the compressor unit at a rate of 3 GPD. After several days use, the filters were inspected and found to be clean. Pressures were maintained as well as flow through the unit.

DELIVERED VALUE

The filter changes were reduced from every 2-3 days to once per month. This eliminated down time, cost of filters and reduction in lost work time for personnel in the field.

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