

Solving Problems in Midstream Gathering Pipelines & Compression

As one of the world's largest specialty chemical providers, ChemTreat, Inc. is strategically positioned to meet the current and future needs of the Midstream Industry. Our customized solutions address system challenges from the well head to the fractionator. Our product lines cover the entire spectrum of application needs, including H₂S scavengers, demulsifiers, biocides, scale and corrosion inhibitors, surfactants, paraffin inhibitors, and specialty chemicals. Our expertise ensures results through each step of the Midstream value chain.

Our expertise and understanding of the many containments found in these systems ensures we provide the lowest cost applications that help Midstream customers protect their assets, lower their operational costs, and maximize gas throughput.

Critical Systems Need Expert Care

Hydraulic fracking has revolutionized the natural gas industry. Technological advances have enabled the industry to recover natural gas at never before seen rates. However, these new natural gas sources also offer new challenges. In many cases, the composition of the gas is quite different from gas produced just a few years ago. Often, the pipeline chemistry has not changed along with the gas composition. As a result, operators of gathering lines and process plants often experience new problems and issues, including elevated hydrogen sulfide levels, excessive pigging corrosion, and scale.

Once the pipeline chemistry is adjusted to compensate for changes in gas composition, these issues become less



problematic. The application of incorrect chemistries may lead to higher costs and downstream issues for Midstream operators. Poor chemical treatment in the gathering lines can be quite costly. Remediating excessive pigging is labor-intensive and can create difficult slugs that must be handled at the processing plant. Excessive microbiological growth or improper inhibition based on gas quality can cause high corrosion that could result in premature gathering line replacement. The cost to replace a line can easily exceed \$1M per mile depending on factors such as line size and location.

These issues can be minimized with proper chemical treatment and application. In most cases, midstream producers do not have the time or expertise to properly mitigate these risks. Therefore, producers cannot afford to choose the wrong chemical treatment partner to manage and optimize their system's needs.

ChemTreat has built lasting relationships with a wide range of valued customers over the years, developing a deep understanding of the unique problems our customers face on a daily basis. As a result, we can create tailored treatment programs proven to protect your assets, keep operating costs manageable, and maximize critical process efficiency. Our unparalleled expertise allows us to prevent and troubleshoot problems before they adversely impact our customers' ability to accomplish their core mission.





PROVEN RESULTS

Condensate Separation

Multiple compressor stations located in the Woodford Shale formation experienced problems separating condensate from produced water. ChemTreat sampled the condensate and developed a unique demulsifier that effectively separated the water. This solution resulted in the recovery of over 40,000 barrels of high-value condensate per month.



Gas Recovery

A producer located in the Bakken sent over 1,000,000 cubic feet of gas per day to flare because of excessive H₂S levels. ChemTreat developed a unique product capable of reducing the H₂S at the well head to levels that enabled gas recovery. This solution resulted in an annual net revenue increase of \$900,000 for the producer.

Gathering Corrosion

A producer located in the Woodford Shale formation was experiencing high corrosion resulting from fluctuations in gas quality. ChemTreat analyzed the gas to determine the correct formula to mitigate the ongoing corrosion that led to system leaks, downtime, and cleanup costs. In addition to formulating a custom corrosion inhibitor, ChemTreat evaluated the system flows and made changes to the application points to solve the customer's unique challenges.

Results are examples only- they are not guaranteed. Actual results may vary.

Products Specific to Midstream Gathering and Compression



- Scale & Corrosion Inhibitors
- Paraffin Dispersants
- H₂S Scavengers
- Surfactants
- Demulsifiers
- Asphaltene inhibitors
- Low-Dosage Hydrate Inhibitors
- Biocides
- Specialty Chemicals
- Cleaners
- Corrosion Monitoring
- Feed & Control Equipment

