

PROJECT PROFILE PIPELINE INTEGRITY MANAGEMENT FOR DELAWARE BASIN CRUDE



Client: **SAN MATEO MIDSTREAM** | Location: **LOVING, NEW MEXICO**

Subject to pipeline integrity management rule [49 CFR Part 195.452](#), [San Mateo Midstream](#) enlisted Audubon to identify high-consequence areas (HCAs) associated with the design and construction of a new crude oil pipeline in the Delaware Basin.

In accordance with Pipeline and Hazardous Materials Safety Administration (PHMSA) requirements, Audubon conducted [pipeline integrity services](#) including emergency flow restriction device (EFRD) studies to determine pipeline centerline locations and leak detection capabilities, elevation and pipeline control, and element response times. A risk analysis was also performed based on credible pipeline integrity threats, and a qualitative risk analysis determined the probability of threat occurrence, failure consequences, and the cost of risks per mile of pipeline.

Audubon's findings and recommendations assisted San Mateo Midstream with risk reduction, operational prioritization, and pipeline maintenance budgeting for its greenfield project.

Project Overview

- Greenfield project subject to PHMSA 49 CFR 195.452
- Crude oil transportation & gathering pipeline
- Cloud-based project management portal

Scope of Work

- HCA analysis
- EFRD studies
- Risk analysis
- Mainline & check valve location recommendations
- Preventative & mitigative recommendations

