

Spitzer Modular Compressor Station Expertise Supports Reliable Natural Gas Transmission Infrastructure



PROJECT DETAILS

Client: Confidential midstream customer **Timeline:** May – October, 2025 **Location:** Midland, Texas

PROJECT OVERVIEW

Spitzer provided engineering, fabrication, and assembly services for a modular natural gas compressor station in the Permian Basin. The station boosts low-pressure natural gas to higher pressures, enabling efficient pipeline transportation to downstream processing facilities and cryogenic plants.

The project demonstrates Spitzer's long-standing expertise in compressor station fabrication, modular process skids, and accelerated project execution for midstream infrastructure customers. The total project scope exceeded \$3.7 million and included multiple integrated process skids, engineered systems, and station support infrastructure.

SCOPE OF WORK

Spitzer provided complete engineering, drafting, fabrication, and assembly support for the Medusa Compressor Station, including the ESD Skid, Slug Catcher Skid, T-Skid, three Compressor Manifold/Header Skids, Pump Skid, 3-Phase Separator Skid, Front End/After Scrubber Skid, 1MM BTU Glycol Regeneration System, Fuel Gas Skid, Station ICP, Flare System, Expansion Valves, Walkovers, and associated interconnect systems.

The project also included ASME-coded vessels, instrumentation integration, process piping, and modular skid fabrication.

KEY CHALLENGES

Compressor station projects are typically driven by highly compressed schedules tied to production and transmission deadlines. Maintaining rapid engineering turnaround while coordinating procurement, fabrication, and integration activities was critical to project success. Challenges included:

- Accelerated delivery expectations from notice of award
- Managing procurement amid volatile material market conditions
- Coordinating multiple integrated process skids and systems simultaneously
- Maintaining fabrication quality and schedule reliability across parallel workstreams
- Supporting customer revisions and walkdown modifications during execution

PROJECT PROFILE: **MEDUSA COMPRESSOR STATION**

SOLUTION / APPROACH

Spitzer leveraged its extensive compressor station experience, standardized execution approach, and integrated fabrication capabilities to accelerate project delivery, reduce engineering cycle time, maintain schedule momentum, and deliver a high-quality, fully engineered compressor station package. Key execution strategies included:

- Utilizing proven compressor station design frameworks and prior station references
- Initiating early material procurement based on anticipated flow rates and pressure requirements
- Running engineering, drafting, and fabrication activities in parallel to compress schedule duration
- Applying repeatable fabrication workflows and modular skid construction methods
- Maintaining close communication between engineering, project management, and shop operations teams

RESULTS / OUTCOMES

- Delivered a fully integrated compressor station solution supporting midstream gas transmission operations
- Reduced engineering turnaround time through standardized station execution models
- Supported accelerated customer schedules through early procurement and fabrication planning
- Demonstrated Spitzer's ability to execute complex modular process infrastructure projects on aggressive timelines

The project reinforces Spitzer's position as a trusted fabrication and modular systems partner for compressor station applications across the midstream market.

UNIQUE HIGHLIGHTS

- Total project value exceeded \$3.7 million across multiple integrated skidded systems
- Included a broad range of engineered process systems, vessels, piping, instrumentation, and modular skids
- Utilized Spitzer's proven compressor station execution model to reduce engineering lead times
- Demonstrated repeatable scalability for future midstream infrastructure opportunities
- Supported by 100% in-house engineering, drafting, fabrication, and project management teams

PROJECT IMPACT

The Medusa Compressor Station project demonstrates Spitzer's ability to deliver high-quality compressor station solutions safely, efficiently, and on schedule for the demanding midstream market.

The project also highlights the coordination between Spitzer's engineering, project management, procurement, and fabrication teams to execute complex infrastructure projects with consistency and reliability.

