

Spitzer Modular Compressor Station Solution



PROJECT DETAILS

Client: Monarch Resource Partners

Timeline: September 2024 – May 2025

Location: Confidential

PROJECT OVERVIEW

Spitzer partnered with Monarch Resource Partners to support a 30 MMSCFD natural gas compression facility designed for reliable gas gathering and transmission operations.

The facility was developed around a phased three-manifold configuration, allowing additional equipment to be added or modified with minimal operational disruption. Spitzer's modular plug-and-play execution approach helped reduce downtime while maintaining flexibility for future expansion requirements.

The H₂S service environment highlights Spitzer's capability to deliver both Partial NACE and Full NACE compliant solutions for demanding sour gas applications.

SCOPE OF WORK

- Engineering, drafting, fabrication, and assembly support for modular compressor station infrastructure.
- Inlet Separator / ESD Skid, Fuel Gas Skid, Discharge Separator Skid, Flare KO Skid, Flare System, Station ICP, and interconnecting process systems.
- Three Compressor Manifold / Header Skids implemented through a phased expansion approach.
- ASME-coded vessels, process piping, instrumentation interfaces, modular skid fabrication, and station engineering deliverables.

KEY CHALLENGES

- Accelerated delivery expectations tied to production and transmission needs
- Procurement coordination during volatile material market conditions
- Parallel execution of multiple integrated process skids and station systems

PROJECT PROFILE: **MODULAR COMPRESSOR STATION SOLUTION**



- Customer revisions and technical clarifications managed during project execution

SOLUTION / APPROACH

- Used proven compressor station design frameworks and prior station execution references
- Coordinated engineering and procurement early based on anticipated flow and pressure requirements
- Ran engineering, drafting, procurement, and fabrication workstreams in parallel to compress schedule duration
- Applied repeatable modular skid construction workflows to support quality and schedule reliability
- Maintained close communication between engineering, project management, procurement, and shop operations teams

RESULTS / OUTCOMES

- Developed a complete 30 MMSCFD compressor station solution for Monarch Resource Partners
- Supported accelerated customer schedule requirements through modular execution planning
- Packaged separation, three-manifold header, fuel gas, discharge, flare, station ICP, and engineering scope into one coordinated offering
- Demonstrated the value of plug-and-play modular products that reduce downtime while allowing equipment removal, additions, or future modifications
- Highlighted Spitzer's Partial NACE and Full NACE capabilities for H2S service environments

UNIQUE HIGHLIGHTS

- Phased three-manifold configuration designed for scalable station expansion
- Broad range of engineered process systems, vessels, piping, instrumentation, and modular skids
- Repeatable compressor station execution model supporting efficient engineering and fabrication planning
- Integrated support from Spitzer engineering, drafting, fabrication, procurement, and project management teams

CUSTOMER / PARTNERSHIP IMPACT

Monarch Resource Partners selected Spitzer for a compressor station package based on trusted execution, responsive project delivery, and proven modular fabrication capabilities. This project demonstrates Spitzer's ability to develop high-quality compressor station solutions safely, efficiently, and on schedule for demanding midstream applications.