

PROJECT PROFILE

DIAMOND GAS-PROCESSING PLANTS



Client: **APACHE CORPORATION** | Location: **REEVES COUNTY, TEXAS**

Audubon was enlisted by [Apache Corporation](#) in the Permian Basin to provide [project management](#), [detailed engineering and design](#), [procurement](#), [construction management](#), [inspection](#), and [commissioning and startup](#) for the design and installation of three 200-MMSCFD cryogenic gas-processing plants at the company's greenfield Diamond processing facility.

[Opero Energy](#), an [affiliate](#) of Audubon, supplied design, procurement, and fabrication for the cryogenic plants using UOP Ortloff proprietary SRX technology. The modular processing units were fabricated and shop-tested in house before shipment and installation.

The 1.2-BSCFD Diamond processing facility included inlet compression, slug catcher and condensate stabilization, amine treatment, dehydration, pipeline pumps, storage, and other balance-of-plant infrastructure.

Audubon's services on the Apache facility allowed the oil and gas company to safely, effectively, and efficiently process a large amount of natural gas and recover natural gas liquids (NGLs) for distribution from the Permian Basin.

Project Overview

- 1.2-BSCFD greenfield gas-processing facility
- Three 200-MMSCFD cryogenic plants
- Two 7,500-BPD condensate stabilization units
- 65,000-HP electric & engine residue reciprocating compression
- Three 1,000-GPM amine-treating units
- Molecular sieve dehydration
- Mechanical refrigeration
- Cryogenic NGL recovery
- Condensate storage & truck loading
- Plant utilities & associated infrastructure

Scope of Work

- Front-end engineering & design (FEED)
- Project management
- Detailed engineering & design
- Procurement
- Process safety analysis
- Fabrication
- Construction management
- Inspection
- Commissioning & startup