

Enerflex in action

DJ Basin, Colorado, USA

Custom 300 MMSCFD Multi-Process Cryogenic Plants

Project Overview and Challenges

Enerflex was tasked with engineering, designing, manufacturing, and commissioning two custom built, multi-process 300 MMSCFD cryogenic plants. The client partner needed flexibility for various operating modes—GSP, SCORE, and SRC—along with deep propane recovery, and minimal compression power to reduce long-term operating costs.

We provided a stick-built, semi-modular design with two cryogenic NGL recovery processing trains. These trains featured amine units, molecular sieve dehydration, refrigeration compressors, and centrifugal residue compressors. A common NGL system enabled the flow of product to a Y-grade pipeline for fractionation.



Outcome

The project, located in DJ Basin, Colorado, USA, was completed on time, within budget, and with zero safety incidents. Enerflex's custom design enabled high propane recovery and provided flexibility for future ethane markets. The plant has exceeded design expectations, and led to additional work across all four project sites.