

PROJECT PROFILE

DAVY JONES I & II PROCESS & SATELLITE FACILITIES



Client: **FREPORT-MCMORAN** | Location: **GULF OF MEXICO**

Audubon provided [FEED](#), engineering, [procurement](#), [EPCM](#), [project management](#), and [commissioning & start-up](#) for the Davy Jones process and satellite facilities.

The project included process modeling, equipment sizing and design, electrical engineering, instrument design, high CO₂ and H₂S concentrations, and amine treating. We designed jackets, decks, flare booms, and heliport—and collaborated with the well design team on process and interface issues. We provided construction management and [vendor surveillance](#) for the fabrication outfitting and offshore installation of the 8-pile and 4-pile platforms, paint inspection, I&E inspection, onsite cost tracking, material tracking, and HSE oversight.

We integrated with the client's project management team and provided constructability reviews, contractor assessments, and operability input for the two ultra-deep gas production facilities. The construction team coordinated with contractors and vendors and managed logistics throughout South Louisiana and South Texas.

Project Overview

- Greenfield
- Production & satellite facility
- Deep drill high pressure, high temperature well
- Gas production with condensate
- Fixed platform designed for 75mcf/d
- Shallow water facility: 20-ft. water depth
- Designed to GOM standards
- Production equipment
 - Amine plant
- 8-pile & 4-pile production deck

Scope of Work

- FEED
- Detail design
- Topside engineering
- Process automation
- Project management
- Start-up & commissioning
- Construction management
- Vendor surveillance
- Paint & I&E inspections
- HSE oversight
- Procurement & expediting

