

# PROJECT PROFILE

## DELTA HOUSE FPS



Client: **LLOG EXPLORATION CO LLC (LLOG)** | Location: **GULF OF MEXICO**

Audubon provided [topside engineering and design](#), [procurement](#), and [construction management](#) services for the [Delta House field development](#), an independent, semi-submersible floating production system (FPS) in the Gulf of Mexico.

To meet an aggressive timeline, Audubon implemented a flexible “one size fits most” design philosophy that enabled the platform to handle a wide range of hydrocarbon profiles and production rates.

Other services included [topsides weight control](#), control cost management, regulatory interface, and scheduling. Our procurement team also collaborated with LLOG’s purchasing staff to procure all topsides equipment.

### Project overview

- Water depth was approximately 5,000 ft.
- All production via subsea wells
- Design capabilities: 80,000 BOPD, 200 MMSCFD, & 40,000 BWPD
- One departing oil & one departing gas sales pipeline
- Designed to United States Coast Guard (USCG) and Bureau of Safety and Environmental Enforcement (BSEE) regulations
- Hull and topsides certified verification authority: Det Norske Veritas (DNV)

### Scope of work

- Project management & management of the project schedule
- Complete topside design
- Regulatory interface & compliance (DNV & BSEE)
- Automation & integration of topsides equipment
- Procurement of all topsides equipment
- Hull & subsea well interface
- Topsides weight control
- Process safety analysis

