

PROJECT PROFILE

PIPELINE SURVEYS FOR SWEENY HUB PHASE 2



Client: PHILLIPS 66 | Location: SWEENY, TEXAS

Audubon provided pipeline [survey](#) services for [Phillips 66](#) to support expansion of its award-winning [Sweeny Hub](#) natural gas liquid (NGL) facility. Located in Brazoria County, Texas, Sweeny Hub is the second-largest NGL-fractionation hub in the US. The pipeline survey project involved six pipelines totaling over 32 miles of pipe and four associated terminal facilities, including the [Clemens Caverns](#) terminal. The pipelines ranged from 10 to 20 inches in diameter and were laid in a congested pipeline corridor with 16 other lines—creating design and construction challenges.

Leveraging pipeline survey expertise and cutting-edge [geographic information system](#) (GIS) technology, Audubon supplied preliminary and as-built surveys, as well as routing and permitting services. Audubon's precise data deliverables ensured design integrity and allowed construction crews to efficiently navigate the congested corridor. With Audubon's survey expertise, Phillips 66 was able to quadruple fractionation capacity at Sweeny Hub and improve NGL gathering and processing on the Texas Gulf Coast.

Project Overview

- 32 miles of 10- to 20-in. pipeline
- Six pipelines
- Congested corridor
- Four terminal facilities

Scope of Work

- Preliminary pipeline survey
- Routing review
- Certified plats
- Permitting
- Alignment sheets
- Horizontal directional drilling (HDD) drawings
- As-built survey, alignment sheets, & certified plats

