

there is a change in Sweet/Sour Crude and one gravitometer on the incoming East Texas Line.

- h. Crude Samplers: There are crude samplers at each custody transfer meter at the stations, ACT's end LACT's to measure crude quality.
- i. Relief Valve: There is one relief valve at Genoa Junction. It is on the 12-inch and relieves around the positive displacement meters into the 26-inch line.

9. Alvin Station (Alvin Station to Webster Junction line, Brazoria County, Texas)

Alvin Station is an unmanned station on a 16-inch line that carries crude from the Hastings Field Junction on the 26-inch line (Genoa Junction to Texas City). It is owned and operated by APL. Alvin Station has truck unloading facilities and a LACT unit. The line is 6.73 miles long, the pipe is 5L X 52 P.E. ERW, wall thickness of 0.231 inches and weight of 38.90 lbs/ft.

Alvin Station Equipment. The Alvin Station includes pipelines, tanks, meters, measurement facilities, pumps, valves, scraper traps, fittings, connections and other appurtenances, including without limitation, the following:

- a. Booster Pumps: There are two booster pumps at Alvin Station to pump crude to Webster Junction. Unit #B-1 is a Bingham 1-stage vertical centrifugal pump with a 100 HP Louis Allis electric motor. Unit #B-2 is a Bingham 1-stage vertical centrifugal pump with a 125 HP Louis Allis electric motor.
- b. Transfer Units: There are two transfer units that are used to transfer crude to APL's Tank #7276. Unit #T-1 and Unit #T-2 are both Johnson 2-stage deep-well pumps with T-1 having a 50 HP U.S. Electric motor and T-2 having a 40 HP U.S. Electric motor.
- c. Control Valve: There is one ANSI 150 12-inch control valve in the line downstream of the booster pumps.
- d. Meters: There are four ANSI 150 4-inch positive displacement meters at Alvin Station.
- e. Prover: There is a dedicated ANSI 150 12-inch prover at this location.