

8. Genoa Junction (Sabine to Texas City line, Harris County, Texas)

Genoa Junction is an unmanned injection point on the San Jacinto/Texas City 12/26 inch line that is owned and operated by APL. It receives TP (paraffinic/sweet) crudes from Central Texas and injections north of Genoa Junction for Texas City Refinery and Rancho's West Texas deliveries.

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

- a. Control Valves: There is one Fisher control valve at this location. The valve on the 12-inch North line is an ANSI 300 8-inch valve used to maintain the discharge pressure from the positive displacement meters at 30 psi.
- b. Motor-Operated Block Valve: There are eight motor operated block valves at this location to block the flow to each of the eight meters. One of the valves serves as the bypass around the meters receiving flow from San Jacinto.
- c. Block Valve: There is an ANSI 600 20-inch block valve in the Rancho Injection line adjacent to the mainline.
- d. Check Valve: There is an ANSI 600 20-inch check valve in Rancho's injection line adjacent to the block valve and upstream of it to eliminate any backflow when the injection unit is down.
- e. Meters: There are eight positive displacement meters at this location to measure the incoming stream from the West. The four on the North line are ANSI 300 6-inch positive displacement meters, with meters #1, #2, #3, and #4 being dedicated to TP service. The four on the West or Rancho line are ANSI 300 10-inch positive displacement meters, with meters #1, #2, #3 and #4 being used for both sweet and sour crude.
- f. Prover: There are two dedicated fixed provers for proving the meters. The small prover is an ANSI 300 12-inch unit used for the four 6-inch positive displacement meters. The large prover is an ANSI 600 22-inch unit used for the four 10-inch positive displacement meters.
- g. Gravitometers: There are two gravitometers at Genoa Junction; one on the outgoing line to Texas City to alert the Controller when