

**Instructions for Test Using Air, Inert or Natural Gas**

**Job No.** \_\_\_\_\_

1. Sketch
  - Drawings detailing the test must be in the job package.
  - Drawings to include plan/profile, per the original installed as-builts.
  - Contractor to provide 8.5" x 11" test sketch by using Drawing No.3805231, "Sample of Hydrostatic Test Section", as go-by.
2. Describe Test requirements and STPR.
  - For example: The pipe to be tested for a total duration of 8 hours.
  - The test pressures must conform to values and ranges given in the STPR.
  - The STPR must be in the job package and on job site.
  - STPR must include known elevation differences, per the original installed as-builts.
3. Describe Pipeline Segments to be tested (sizes, lengths and grades of pipes to be tested):
  - For example: Approximately 180 feet of existing 24" diameter, Grade X42 DSAW pipe. Approximately 40 feet of 24" diameter, Grade X42 pipe for tie-in pieces will be tested separately.
4. Describe Surroundings of test location:
  - For example: Surrounding area is pastureland.
5. Safety of public and personnel—Establish safety distances for personnel and public in advance and inform them through effective communication.
  - For example: If test is in a non-public area, personnel, public and farmers should be asked to stay 100 feet clear of pipeline.
  - If possible, commence test at night.
  - Test personnel should setup testing equipment at safe distance from pipeline and access the pipe during test only on as-needed basis.
  - In Class location 1 or 2, if there is a building intended for human occupancy within 300 feet of a pipeline, such buildings have to be evacuated while hoop stress exceeds 50% of SMYS during the test.
6. Describe Test media (source, volumes of medium and disposal):
  - For example: The test will utilize approximately two 6-pack nitrogen bottles.
  - Bottles will be provided via Praxair from their yard in Antioch.
  - After test, nitrogen will be released to atmosphere with proper safety precautions.
7. Contingency Plan for test failure:
  - Study environments of test location and prepare site-specific plans for handling damages resulting from discharge of medium. Contingency Plan must also include the action steps necessary to report failure to authorities, replace and/or repair damaged pipe/components, and resume testing.
8. Records:
  - Record all actions in a log or other form of documentation.