Test Procedure Reviewed by Mississippi Public Service Commission, Pipeline and Hazardous Materials Safety Administration, and National Transportation Safety Board

Section of 1100 Block of Shalimar Drive

Jackson, MS

January 28, 29, and 30, 2024

The purpose of this protocol is to outline the general process to pressure test the pipeline facilities as shown in the drawing below. All stages of the inspection will be agreed upon and will be imaged or photographed with "before and after" photographs of any physical changes. The inspection may be stopped at any point to allow additional photography or close examination of the evidence as required.

These processes may be changed as conditions warrant. Any inspection of the evidence will be limited to non-destructive inspection, first. Any actions which may be destructive, or potentially destructive, will be directed by the regulatory authorities conducting the investigation.

System MAOP: 40 psig

Operating Pressure: 35 psig

Material: Coated Steel

Diameter: 2" nominal OD, ¾" service line

- Locate and mark all main and service lines within this area.
- Call for utility locates within this area.
- Confirm that all meter valves on incorporated service lines are closed.

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Bell Hole #1

- Expose the 2” steel main at Bell Hole #1. Cold cut the 2” steel pipe to remove an approximate 2-3 foot section of the 2” steel main and install air compressor transition fitting. Cap open end of west main.

Bell Hole #2

- Expose the 2” steel main at Bell Hole #2. Cold cut the 2” steel pipe to remove an approximate 2-3 foot section of the 2” steel main and install caps on the open ends.

Bell Hole #3

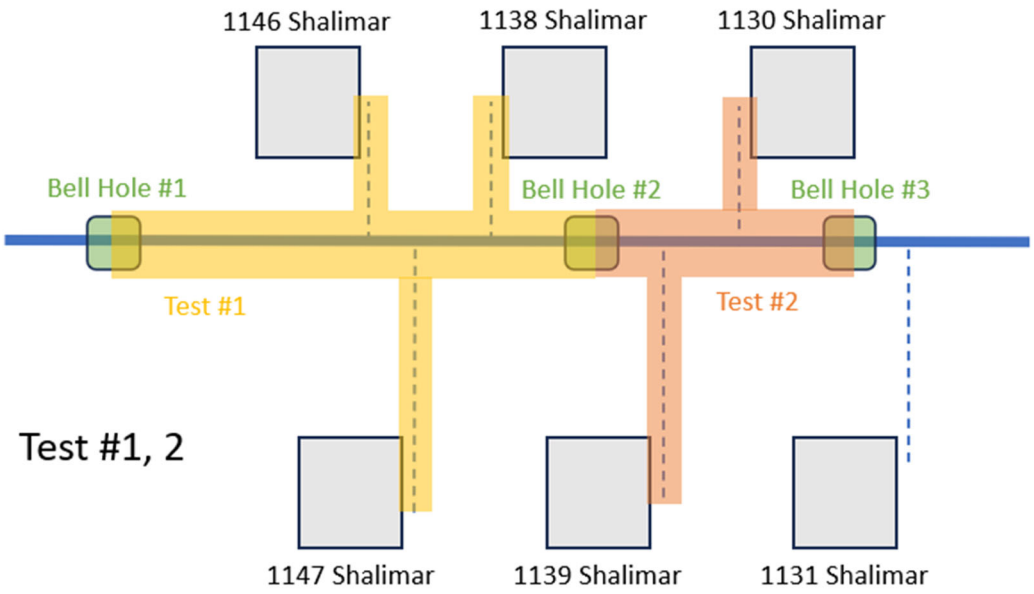
- Expose the 2” steel main at Bell Hole #3. Cold cut the 2” steel pipe to remove an approximate 2-3 foot section of the 2” steel main and install air compressor transition fitting. Cap open end of east main.

Test Section #1

- Confirm that meter valves at 1138, 1146, and 1147 Shalimar are closed.
- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #1. Soap exposed piping and risers subject to test.
- Pressure the main and service lines to 1138, 1146, and 1147 Shalimar to 35 psig.
- Results: Pressure did not hold. End test.

Test Section #2

- Confirm that meter valves at 1130 and 1139 Shalimar are closed.
- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #3. Soap exposed piping and risers subject to test.
- Pressure the main and service lines to 1130 and 1139 Shalimar to 36 psig.
- Results: Pressure held at 36 psig for 3 minutes.



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Bell Hole #4

- Expose the 2” steel main and service tap at 1138, 1146, and 1147 Shalimar at Bell Hole #4. Cold cut the main and service line to 1147 Shalimar to remove the service tee attaching the service line to the main line. Cap both ends of main and service line.

Test Section #3

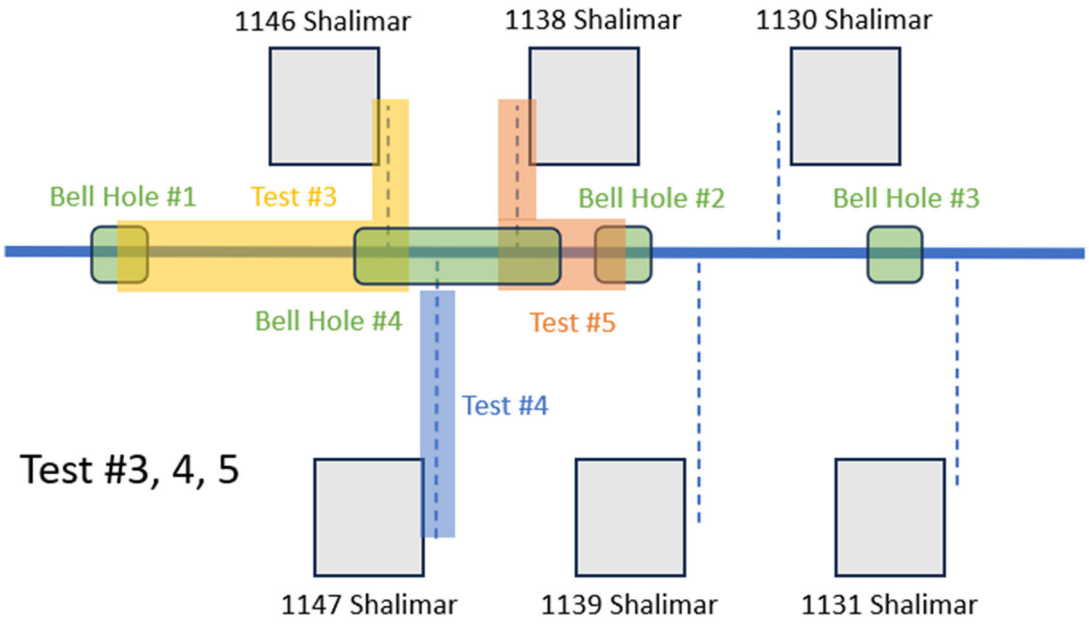
- Confirm that meter valve at 1146 Shalimar is closed.
- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #1. Soap exposed piping and riser subject to test.
- Pressure the main and service line to 1146 Shalimar to 36 psig.
- Results: Pressure did not hold. End test.

Test Section #4

- Connect the air compressor to the transition fitting to the inlet riser at 1147 Shalimar. Soap exposed piping and riser subject to test.
- Pressure the service line to 1147 Shalimar to 35 psig.
- Results: Pressure held at 35 psig for 3 minutes.

Test Section #5

- Confirm that meter valve at 1138 Shalimar is closed.
- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #2. Soap exposed piping and riser subject to test.
- Pressure the main and service line to 1138 Shalimar to 35 psig.
- Results: Pressure did not hold. End Test



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Bell Hole #4

- Cold cut the service lines to 1138 and 1146 Shalimar from the main line. Cap both ends of service lines.

Test Section #6

- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #1. Soap exposed piping subject to test.
- Pressure the main to 36 psig.
- Results: Pressure did not hold. End test.

Test Section #7

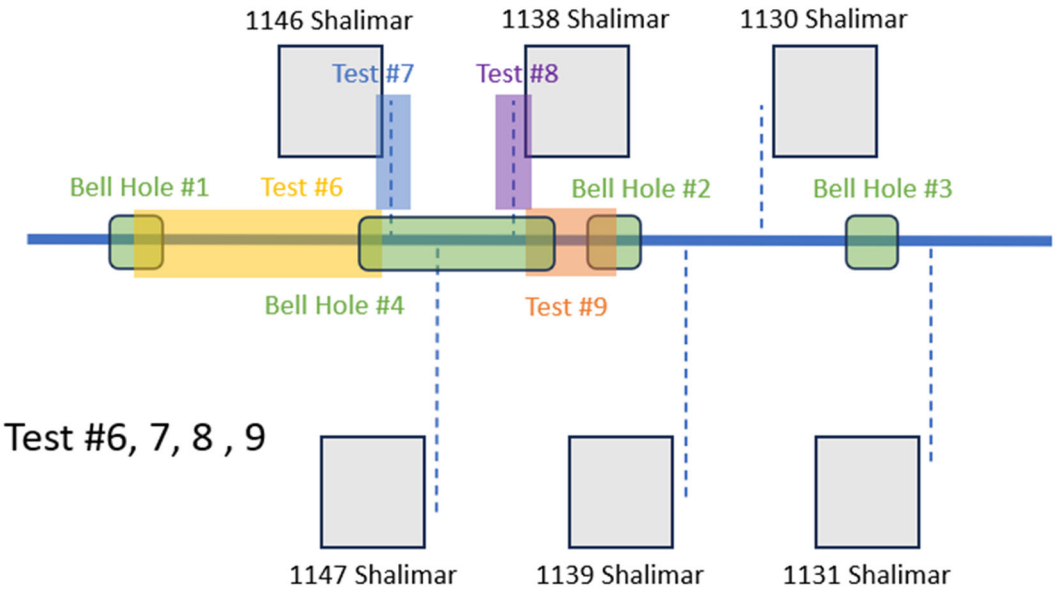
- Connect the air compressor to the transition fitting to the inlet riser at 1146 Shalimar. Soap exposed piping and riser subject to test.
- Pressure the service line to 1146 Shalimar to 35 psig.
- Results: Pressure held at 35 psig for 3 minutes.

Test Section #8

- Connect the air compressor to the transition fitting to the inlet riser at 1138 Shalimar. Soap exposed piping and riser subject to test.
- Pressure the service line to 1138 Shalimar to 36 psig.
- Results: Pressure held at 36 psig for 3 minutes.

Test Section #9

- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #2. Soap exposed piping subject to test.
- Pressure the main to 36 psig.
- Results: Pressure did not hold. End test.



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Excavation

- Expose entire length of 2” main from Bell Hole #1 to Bell Hole #2. Visually examine main for evidence of leaks using soap. No evidence of leaks found.

Test Section #10 (Retesting Test Section #6)

- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #1. Soap exposed piping subject to test.
- Pressure the main to 35 psig.
- Results: Pressure held at 35 psig for 1 hour.

Test Section #11 (Retesting Test Section #9)

- Connect the air compressor to the transition fitting installed on the 2” main in Bell Hole #2. Soap exposed piping subject to test.
- Pressure the main to 33 psig.
- Results: Pressure held at 33 psig for 1 hour.