

Ralph 34C-19HZ COGCC Inspection – Document Number: 674603325

Corrective Action: Email COGCC Engineering Integrity staff the following information:

- 1 Root cause of failure evaluation/ what caused a "weak" point and where was it located (was it a bad poly fusion at the carbon steel riser tie in?)**
 - The root cause of the weak point in the line was due to a kink in the line. When the line was being installed, the installer inadvertently bent the line causing the weak point in the line to form. The weak point in the line was approximately 20 feet from the wellhead. The release of condensed natural gas occurred at that point.
- 2 Measures taken to prevent the problem from re-occurring (are all 1" poly lines associated with wells on this location/ facility at risk?)**
 - After the conclusion of the line repair, all of the poly lines at the facility were pressure tested simultaneously and passed as noted on the attached pressure test report. All 1" poly lines on this location will be pressure tested on an annual basis.
- 3 Description of the flowline repair completed (Describe how the 1" poly line was repaired)**
 - The inadequate portion of the pipe was removed from the line. New poly pipe was installed from the good portion of the line to the riser at the wellhead.
- 4 A copy of the flowline pressure testing chart/ data verifying integrity of repairs completed**
 - Please see the attached Poly Line Pressure Test chart and data.
- 5 GPS data for the riser locations associated with this flowline**
 - The one inch poly riser at the wellhead is located at the following coordinates.
 - 40.04319000; -104.93819000
 - The one inch poly riser at the separator is located at the following coordinates.
 - 40.03958000; -104.93932000
- 6 Provide timeframe for installation and use of air compressor (to be used on all 1" poly lines on this well pad?)**
 - After further review and pressure test results of the remaining 1" poly lines on the location, it was determined that the use of an air compressor was unnecessary at this location.
- 7 Describe what equipment the 1" poly flowline is servicing**
 - The one inch poly flowline is servicing the motor valve on the wellhead. The motor valve is the well's control valve that allows the well to be shut in remotely.