

**VERMONT GAS SYSTEMS, INC.  
TRANSMISSION LINE EXPOSURE REPORT**

|  |  |   |   |  |  |
|--|--|---|---|--|--|
| Date: <b>7/31/2019</b>   |  | Pipe Exposure: Excavation <input checked="" type="checkbox"/> Erosion <input type="checkbox"/> Landslide <input type="checkbox"/> |   | Photos taken Y <input checked="" type="checkbox"/> N <input type="checkbox"/>                      |  |
| Location: <b>Excavation Site 3 - Palmer Chicken Farm</b>   |  |   | Length Unsupported Pipe: <b>5'</b>  |  |  |
| Dig safe Ticket Number <b>20192913493</b>  |  | Pipe Diameter: <b>12"</b>   |   | Wall Thickness: <b>0.375"</b>  |  |
| Municipality/Town: <b>New Haven</b>  |  | VGS facilities marked: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>   |   | As-Built Station No <b>1926+81</b>   |  |
| Pipeline As-Built Sheet: <b>73</b> of <b>83</b>  |  | High Consequence Area: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>   |   | HCA segment number: <b>N/A</b>   |  |
| CP Pipe to Soil Reading: <b>-1.4</b> v   |  | Coating Type: <b>FBE</b>  |   | Pipe Depth: <b>4'5"</b>  |  |
| Coating Condition: - Bonded <input checked="" type="checkbox"/> Slight Disbondment <input type="checkbox"/> Disbonded <input type="checkbox"/>   |  |   |   | Coating Replaced: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>                 |  |
| Type Replacement Coating: <b>Denso Densyl Wax Tape</b>   |  |   | Replacement Coating Length: <b>Approx. 2'</b>   |  |  |
| Erosion length: <b>N/A</b>   |  | Erosion Depth: <b>N/A</b>   |   | Erosion Location: <b>N/A</b>   |  |
| Exposed bare pipe: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>  |  | Pitting: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>   |   | Pitting mapping: <b>UT Grid</b>  |  |
|  |  | UT Gauge: <b>0.215" min.</b>  |   |  |  |
| Soil: Sand <input type="checkbox"/> Clay <input checked="" type="checkbox"/> Loam <input type="checkbox"/> Cinders <input type="checkbox"/> Refuse <input type="checkbox"/> Rock <input type="checkbox"/>  |  |   | Soil Packing: Loose <input type="checkbox"/> Medium <input checked="" type="checkbox"/> Hard <input type="checkbox"/>     |  |  |
| Soil Sample Taken: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>  |  |   | Soil Moisture Content: Dry <input type="checkbox"/> Damp <input type="checkbox"/> Wet <input checked="" type="checkbox"/> |  |  |
| Foreign Pipe crossing: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>  |  | Foreign Pipe crossing clearance: <b>N/A</b>   |   | Foreign pipe crossing ties taken: Y <input type="checkbox"/> N <input checked="" type="checkbox"/> |  |
| <p>Comments:</p> <ul style="list-style-type: none"> <li>-Excavated for inspection beginning Friday, July 26, 2019.</li> <li>-Mears conducted coating inspection on Monday, July 29, 2019. Found no coating anomalies.</li> <li>-VGS sand-blasted ILI indicated area on Wednesday, July 31, 2019.</li> <li>-Mears conducted UT grid and mag. particle test of the prepared surface.</li> <li>-No mag. particle indications.</li> <li>-See Mears report for UT grid findings. Found minimum w.t. of 0.215"</li> <li>-RT was conducted by Jan-X on the indication location and revealed darker film indicating reduced wall thickness.</li> <li>-Re-coated exposed area with Denso Densyl Wax Tape.</li> <li>-Backfilled with native clay.</li> </ul> |  |   |   |  |  |

Clock: 389

VGS Employee: M. Lawliss

Supervisor/Manager Initials: AG Date: 8/16/2019

**VERMONT GAS SYSTEMS, INC.**  
**TRANSMISSION LINE EXPOSURE REPORT**  
**SUPPLEMENTAL FOR ASSESSMENT EXCAVATIONS**

|   |   |                                       |
|---|---|---------------------------------------|
| Date: <b>7/31/2019</b>  | Location: Excavation Site 3 - Palmer Chicken Farm | Town: <b>New Haven</b>                |
| Project/Work Plan Date: <b>07/30/2019</b>   | Revision #: <b>0</b>                              | Pipe Diameter: <b>12"</b>             |
| Length of Pipe Exposed & Inspected: <b>Exposed 5' of Pipe, Removed Approx. 2' of Coating</b>  |   |                                       |
| Pipe Condition: <b>Good. Found Pritec coating (on pipe), Canusa shrink wraps (on welds), FBE (on fitting), and wax tape over previous coating removal all in good shape.</b>  |   |                                       |
| Jeeping Results: <b>Good. Jeeped at 7000v, no coating anomalies found.</b>  |   |                                       |
| Trench and Backfill Conditions (described area around pipe, note presence of rocks, sandbags, rockshield, etc.):<br><b>Found clean, rock-free clay. Zinc ribbon was found approximately 3' east of pipe. Backfilled with native clay.</b>   |   |                                       |
| Indication/Anomaly Found:   | Wall Loss <input checked="" type="checkbox"/>     | Dent <input type="checkbox"/>         |
|   | Manufacturing Anomaly <input type="checkbox"/>    | Other: _____                          |
|   | Ovality <input type="checkbox"/>                  | Weld Anomaly <input type="checkbox"/> |
|   |   | N/A <input type="checkbox"/>          |
| Dimension of Indication/Anomaly (if found):   | Length = <b>2"</b>                                | Width = <b>1"</b>                     |
|   |   | Depth = <b>N/A</b>                    |
| Repair Made: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  | Length of Repair: <u>N/A</u>                      |                                       |
| Repair Type (i.e. Clock Spring, Weld Sleeve, etc.): <u>N/A</u>  |   |                                       |
| Repair Notes: <b>Internal wall loss. Exterior repair wrap not approved for interior wall loss.</b>  |   |                                       |
| ADDITIONAL COMMENTS:<br>Removed coating from pipe, found smooth pipe. No indication of external wall loss. Mears used UT gauge to determine location of anomaly. Found indication on or very near to the longitudinal ERW. Lowest wall-thickness reading at 0.215". Approximate size based on 1" UT grid readings: 2"x1". Found the two other indications as called out by ILI with minimum wall thickness readings of 0.309" and 0.335". See Mears report for more info. |   |                                       |

**\* Please fill out form completely. If information is unavailable, fill in "N/A".**

**\*\* Take pictures of the indication if found, trench conditions, and any repairs made.**

Clock: 389

VGS Employee: M. Lawliss

Supervisor/Manager Initials: AG Date: 8/16/2019



VGS  
WC: 193368.31  
193368.36  
193368.61

016 3 A, B, C

EXISTING  
COATING

△

07/29/2019



A B C D E F G H

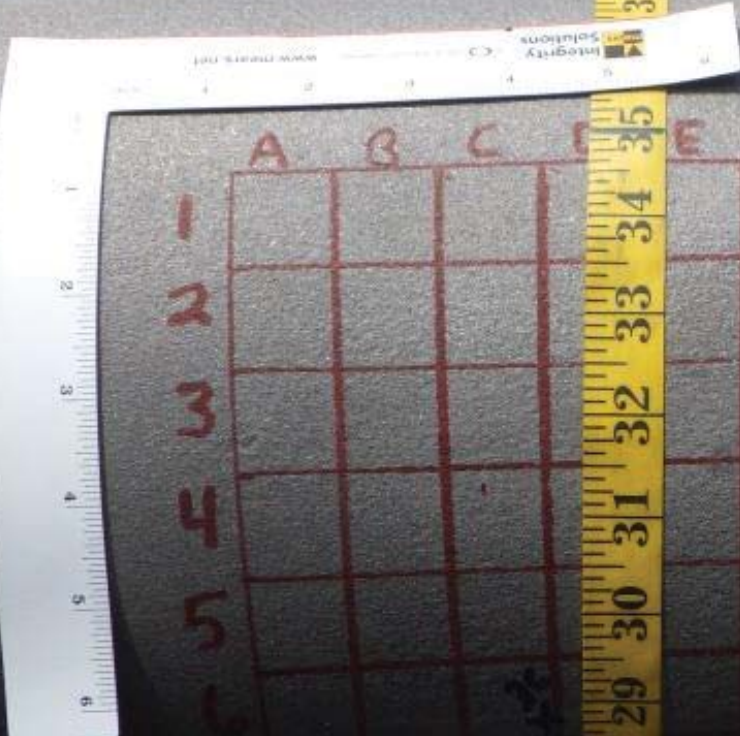
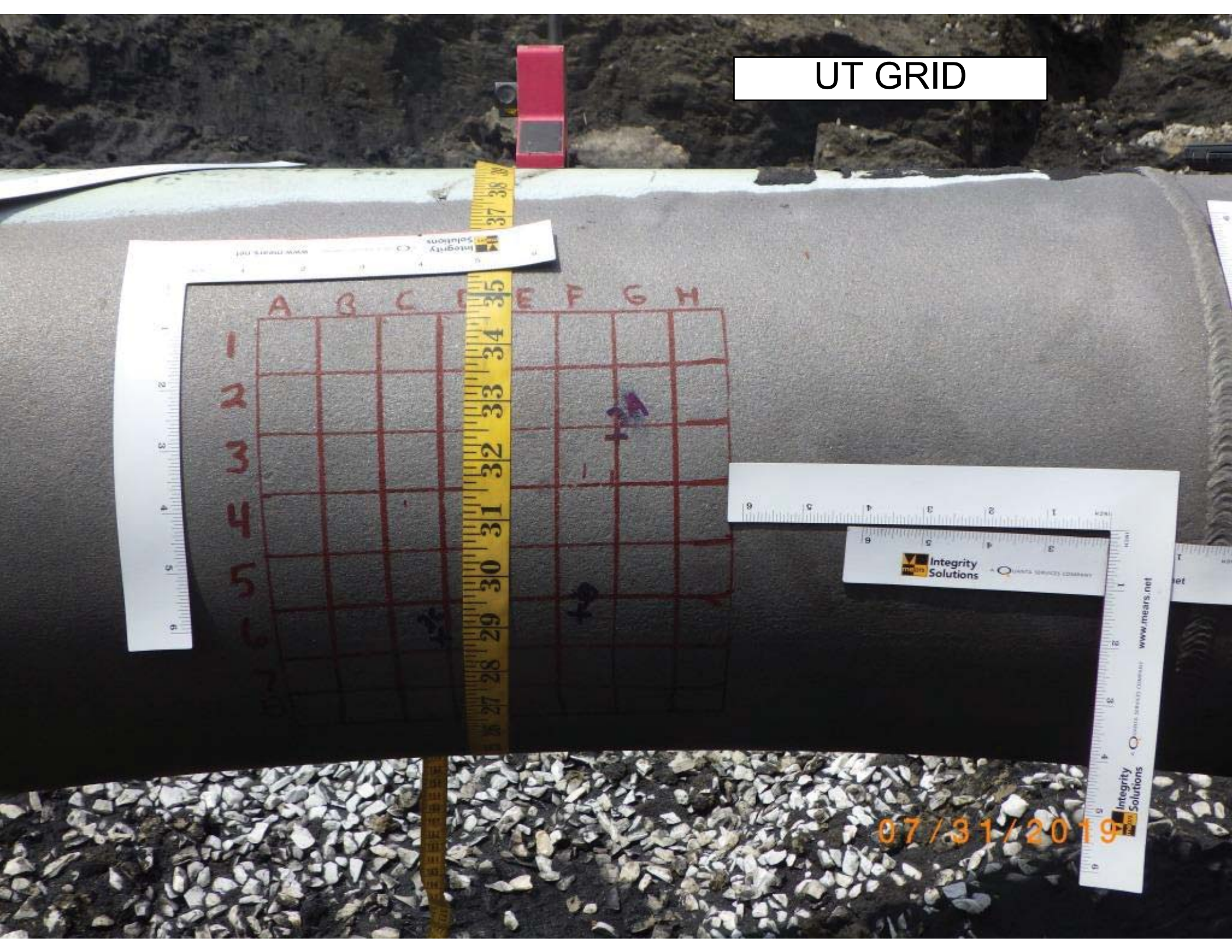
|   |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |

UGS  
WC: 193368.31  
193368.36  
193368.61  
DIG 3A, B, C  
MEDIA BLASTED  
PIPE  
9:00  
A

07/31/2019



UT GRID



07/31/2019





UT MEASUREMENT





DEPTH OF COVER



FINAL COATING







**FINAL BACKFILL**