*Diversified Technology Services*

VISUAL INSPECTION REPORT

(API-570 \_ Process Piping)

Client: DTS Client

Location: Somewhere USA

Circuit Number: GL-P-03-03

Date Built: 1981

Circuit/Process Name: Gas Gathering sub-header & header at well room #3.

P&ID No: 558-F-101 Service: Gas Gathering

Inspector Name: API Visual Insp. API 570#: 18 Date: 11/25/03

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| Inspection Interval Statistics |
| Date of last Inspection: Unknown Date of next Inspection: 11/25/08 |

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|  |  | Piping Statistics |  |
| ITEM | Area of Interest | Condition | Comments |
| 1 | Insulation | N/A |  |
| 2 | Insulation Jacketing | N/A |  |
| 3 | Coating System | Poor | See narrative |
| 4 | Supports | Poor | See narrative |
| 5 | Spring Can Supports | N/A |  |
| 6 | Orifice Nipples | N/A |  |
| 7 | Vibration | Good |  |
| 8 | Aligntment | Good |  |
| 9 | Dummy Legs | N/A |  |
| 10 | Deck Penetrations | Fair |  |
| 11 | Flanges | Fair | See narrative |
| 12 | Flange Bolts | Fair | See narrative |
| 13 | Welds and Seems | Good |  |
| 14 | Pipe Surface | Fair | See narrative |
| 15 | Valve Packing | Good |  |
| 16 | Steam Tracing | N/A |  |
| 17 | Expansion Joints | N/A |  |
| 18 | Other | N/A |  |
| 19 | Other | N/A |  |

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| 20 | Safety Valve | N/A |  |
| 21 | Clamps | No |  |
| 22 | Mixed Metals | No |  |
| 23 | Screwed Fittings | No |  |
| 24 | Distortion (sagging) | No |  |
| 25 | Leaks | No |  |
| 26 | C.U.I | N/A |  |
| 27 | Bulges | No |  |
| 28 | Corrosion | Yes | See narrative |
| 29 | Other | N/A |  |

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| Narrative Description of Findings |
| Date: 11/25/03 Circuit No: GL-P-03-03 |
| **Coating System:**  Throughout this circuit the coating on the header is mostly intact with few small corrosion blisters throughout and significant corrosion at the point of contact with the supports. Most of the coating on the sub-headers has failed and there is heavy corrosion and scale throughout the sub-headers. The damaged coating is not affecting the operational conditions of the piping at this time. All areas of blistered or damaged coating, rust and scale should be throughly cleaned to an industry standad acceptable to engineering and new coating applied to arrest the present corrosion and prevent further corrosion.  **Supports:**  The piping doesn’t have single points of contact between the piping and the support beams. Single points of contact help prevent moisture from sitting against the piping surface and promoting corrosion. At this time moderate to heavy corrosion and scale was noted at the contact points between the piping and supports.  **Deck Penetrations:**  There is heavy corrosion and scale on the piping through the deck penetrations.  **Flanges Bolts:**  There is heavy corrosion and scale throughout this circuit.  **U-Bolts:**  Throughout the circuit, the U-bolts were found to be near failure due to corrosion.  **Pipe Surface:**  At the areas of coating failure there is general wall loss due to corrosion of approximately 0.010” to 0.020 |

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|  | Recommended Items for Repair |
| ITEM | Recommendations |
| 1 | Consideration should be given to removing from supports and installing single points of contact to eliminate the possibility of future corrosion between the piping and supports. |
| 2 | Replace corroded, broken, or missing U-bolts. |
| 3 | Consideration should be given to scheduling the removal of any existing external corrosion for the purpose of measurements and/or repairs at such a time that any through-wall corrosion would not result in a disruption of platform operations. |
| 4 | The damaged coating should be thoroughly cleaned to an industry standard acceptable to engineering and new coating applied to arrest the present corrosion and prevent further corrotion. |

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| Completed Repairs | |
| ITEM | Description of Repairs Completed |
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| Report Sign-Off |
| \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 11/25/2003  **Api Visual Inspector Date** |

Di atas adalah contoh dari A3 Report jenis **Inspection Report**

**(Sumber:** <https://www.slideshare.net/ram111eg/piping-sample-report>)

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