

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

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

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 Seams	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	

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	

Narrative Description of Findings	
Date: 11/25/03	Circuit No: GL-P-03-03
<p>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 thoroughly cleaned to an industry standard acceptable to engineering and new coating applied to arrest the present corrosion and prevent further corrosion.</p> <p>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.</p> <p>Deck Penetrations: There is heavy corrosion and scale on the piping through the deck penetrations.</p>	

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

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 corrosion.

Completed Repairs	
ITEM	Description of Repairs Completed

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>)

Nama Mahasiswa: Betari Indrianing Sugiarto

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