

Technical Services, Inc.

P. O. Box 721139, Houston, Texas 77272-1139 www.ndttechnicalservices.com

Phone: (281) 341-0469 Cell: (281) 389-4304 E-mail: NDTServices@aol.com

SUMMARY AND ASSESSMENT OF EOC - RE-INSPECTION PERFORMED ON GIRTH WELDS

In accordance with the approved PG&E Inspection Test Plan (ITP), on November 13 & 15, 2013 a reinspection utilizing radiographic examination was performed on five (5) girth welds on the WV-132-13 project in Milpitas, CA. Once each of the welds were re-radiographed they were "fingerprinted" (weld features compared against original images to verify that the original radiographic film images of the weld matched the images of the re-inspected girth weld.

The following weld numbers were re-inspected:

Original Weld Id Number	Reinspection Weld Id Number			
W-31	W-31-RI			
W-32	W-32-RI			
W-33	W-33-RI			
TI-9	TI-9-RI			
TI-10	TI-10-RI			

The following were the results of these-inspections:

Weld Number:	W-31-RI	Comments: Weld matched fingerprint and weld was determined to be
		acceptable to API 1104, 20 th edition.
Weld Number:	W-32-RI	<u>Comments</u> : Weld matched fingerprint and weld was determined to be
		acceptable to API 1104, 20 th edition.
Weld Number:	W-33-RI	Comments: Weld matched fingerprint and weld was determined to be
		acceptable to API 1104, 20 th edition.
Weld Number:	TI-9-RI	$\underline{\text{Comments}}$: Weld $\underline{\textit{did not}}$ match fingerprint. However, after performing
		further investigation it was ultimately determined that this weld was
		originally identified as weld number W-34 which was acceptable as
		originally radiographed. Its fingerprint was matched and the weld was

determined to be acceptable to API 1104, 20th edition. On November 15th the next weld down from weld number W-34 was re-radiographed and this weld matched the fingerprint for the original weld number identified as TI-9 and the weld was determined to be acceptable to API 1104, 20th edition.

Weld Number: TI-10-RI

<u>Comments</u>: Weld matched fingerprint and weld was determined to be acceptable to API 1104, 20th edition.

Upon a detailed review of the pipeline alignment sheets, PG&E was able to determine that the original weld number TI-9 was actually one weld joint east of the location for weld number W-34. On November 15, 2013 the field site was further excavated to locate the actual location for weld number TI-9 and the weld was re-radiographed, the fingerprint matched that of the original film images for TI-9, was evaluated and determined to be acceptable to API 1104, 20th edition.

Copies of WIX's Radiographic Testing Inspection reports indicating the results of their evaluation of welds examined are attached.

This summary completes the evaluation and documentation of the re-inspections performed on the five (5) identified girth welds on the WV-132-13 project in Milpitas, CA.

Respectfully submitted,

David L. Culbertson

President

ASNT/ACCP Professional Level III – 2820

and J. Cultertim



Western Industrial X-Ray, Inc. P.O. Box 238 Fairfield, CA (707) 425-4673 (888) For X-Ray info@wixinc.net www.wixinc.net

Date	12/13/2013	Page		OF	4
Radiographic	Report or Contr		R)	G-D	Mary Marie Control of Control
Customer		PGE		***********************	
Address					-
Customer's P	O. Number	2.5	009049	64	
Job Location	MILPITAS C	A LINE-132	RE-INS	PECTIC)N
Job Number	306	77902/*419	60097"		******************
Item Descript	ion	20" GIRTH	WELD	S	notecessories examin.
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Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film.	A C	R	Defect Code	Comments	Work Summary Amount Description
20°X.375/500	Ti-9-Ri	3	Z		iuc	IUC@62.5"<2"IN 12"	4 Travel Hours 3 # Persons 0830 In Time 1530 Out Time
20°X 375/ 500	W-33-R1		Z			PROCESSING MARKS	
20X.3757.800			7			PROCESSING MARKS	150 Mileage One Way Round Trip ▼ 5 Weld 20° in, dia Weld in, dia Weld in, dia Weld in, dia
20X.375/.800	W-31-81	3	1				
20°X.375/.375	Ti-10-R1					ESI@9.25"-10" ESI@14-14.5" P@57"<3/32"	Technique Date/Procedure Qualification
							Dia _20* Material Type: _X60 Thickness _375 Reinf: _125 SFD: _20.42 Source To Obj: _20.1 QI Essential Wire: _013 Exp. Time: _1 min. _15 sec. Dev. Time: _6 _62 _69 _69 Film Manufacturer: _Agfa Speect _D-7 No. of Exp. _3 Film _3 Geometric Unsharpness (Ug): _004 _Avg. Density:
							Dia 20* Material Type X60 Thickness 375 Reinf 125 SFD: 20.47 Source To Obj. 20.1 Off Essential Wire: 013 Exp. Time: 1 min. 20 sec. Dev. Time: 6 60 69 d Film Manufacturer: Agfa Speed: D2-7 No. of Exp. 3 Film: 3 Geometric Unsharpness (Ug): 004 Avg. Density:
							Dia. 20" Material Type. X60 Thickness: 375 Reinf: 125 SFD: 20.47 Source To Obj. 20.1 IQI Essential Wire: 013 Exp. Time: 1 min. 30 sec. Dev. Time: 6 20 69 d Film Manufacturer Agfa. Speed. D-Z. No. of Exp. 3 Film. 3 Geometric Unsharpness (Ug): 004 Avg. Density.
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BT Burn Through ICP Inadequate Cross Penetration C Crack IF Incomplete Penetration CV Root Concavity Plotomplete Penetration DI Drop Himose Ox Oxidation Level Radiographes EDWARD STEPHTAVC Radiographer's Assistant GERRITVANSCKLE	P Porosty St. Slag Inchisions St. Slag Inchisions UC Undercut Ti. Tungsten Inclusion II		
Dee person algoring this document represents that they have the authority to age on the behalf of the co- guaranty or warranty the consiston of the manerals tented. Western including X-Ray, inc. is not listle for looses attributed to any testing performed. There is no warranty for these services, Any leability is lense services in consistent from the interpretation is the engineerability of the coatories. Outcomer's Signature Outcomer's Signature Outcomer's Signature	any interpretation of results on		terrenensensensensensensensensensensensensen

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Date	11/15/2013	Page _	1	Of	Supplied Sup
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	LACHIO	estruct	1. A. 281. 3	1.0385	attached in	1.22 M. 25.1.2	
Piece or Joint #s	Weld	Film	.A. .c	R	Defect	Comments	Work Summary
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