

1.2.4 Quality Control Level I - Daily Field Weld Summary Report



DAILY FIELD WELD SUMMARY REPORT

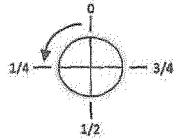
For welds on pipelines operating greater than 60 psi

Date: 10/14/2013

FD-40-A  
07/05/2012 Rev. 0

<b>Project:</b> R134 L-114, Pipe Replacement, Order# - 30943472	<b>Location:</b> Brentwood, MP 12.70 to 16.57
<b>Welding Organization:</b> PG&E/Snelson	<b>NDE Contractor:</b> (WIX) Western Industrial X-Ray

(A) Welder I.D. Numbers are listed according to their position on weld oriented counter-clockwise facing EAST or NORTH (examples shown to the right).



(B) Weld Pass Code  
R=Root Bead, H=Hot Pass  
F=Filler, C=Cap, A=Complete Weld

Examples - Welder ID / Weld Pass Code

1 Welder Crew				2 Welder Crew			
Welder ID		Weld Pass		Welder ID		Weld Pass	
Welder 1	NA	A	NA	Welder 3	Welder 2	A	A
NA	NA	NA	NA	NA	NA	NA	NA
Two (2 Welder) Crews							
Welder ID		Weld Pass		Welder ID		Weld Pass	
Welder 1	Welder 2	R, H	R, H	Welder 3	Welder 4	F, C	F, C

(C) Visual Weld Defect Codes  
C = Crack  
AB = Arc Burn  
WD = Weld Dimensions  
BT = Burn Through  
P = Porosity  
UA = Unacceptable Appearance  
IP = Inadequate Penetration  
IF = Incomplete Fusion  
UC = Undercut

**\*\* All items must be witnessed and inspected \*\***  
Mark each item with A=Accepted OR R=Rejected

Joint Number(s) or PO Number and Heat Number for Traceability	Weld Number or NDT Number	Pipe Diameter, Wall Thickness, & Grade	Welding Procedure Specification Number (WPS)	Welder ID (LAN ID or A#)		Weld Pass (See note B)		Joint Cleaning	Bevel Cond. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics DC/PP/DCEN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual Weld Defects	Visual Defects Repaired	Released for NDT (Y or NA)	NDT Results	NDT Repaired (if Rejected)	Soap Test*	Remarks Record all weld defect codes with welder ID (See Note C)
				(See Note A)	(See Note A)	(See note B)	(See note B)															
jt.204 to jt.532E	TI-978	24.00/.375/X-60	232Sc-G	TXBY	A850	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.375/X-60		NA	NA	NA	NA															
Multiple Repair Procedure Number (if used)									NA											NA		
jt.532B to jt.210	TI-979	24.00/.375/X-60	232Sc-G	E1M8	R1T5	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.312/X-60		NA	NA	NA	NA															
Multiple Repair Procedure Number (if used)									NA											NA		
Multiple Repair Procedure Number (if used)									NA											NA		
Multiple Repair Procedure Number (if used)									NA											NA		
Multiple Repair Procedure Number (if used)									NA											NA		
Multiple Repair Procedure Number (if used)									NA											NA		

\* ALL WELDS NOT STRENGTH TESTED MUST BE SOAP TESTED AT LINE PRESSURE.

Total Welds Visually Inspected: 2

Total Welds Rejected: 0

Inspector ID: B-172

Company: Canus

Signature: *Tommy Dyer*

OQ  Exp. Date: 8/24/2017 CWI  Cert. # 2020691

Experience  CPWI  Cert. #

OQ or CWI qualification is acceptable for ANY weld, but REQUIRED for OQ covered welds

Qualification by Experience or CPWI is for NEW construction ONLY.

SB GT&S\_0023737

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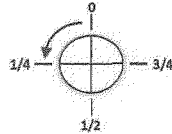
## DAILY FIELD WELD SUMMARY REPORT

For welds on pipelines operating greater than 60 psi

Date: 10/11/2013-2 FD-40-A  
07/05/2012 Rev. 0

<b>Project:</b> R134 L-114, Pipe Replacement, Order# - 30943472	<b>Location:</b> Brentwood, MP 12.70 to 16.57
<b>Welding Organization:</b> PG&E/Snelson	<b>NDE Contractor:</b> (WIX) Western Industrial X-Ray

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**Examples - Welder ID / Weld Pass Code**

1 Welder Crew				2 Welder Crew			
Welder ID		Weld Pass		Welder ID		Weld Pass	
Welder 1	NA	A	NA	Welder 1	Welder 2	A	A
NA	NA	NA	NA	NA	NA	NA	NA
Two (2 Welder) Crews							
Welder ID		Weld Pass					
Welder 1	Welder 2	R, H	R, H				
Welder 3	Welder 4	F, C	F, C				

(C) Visual Weld Defect Codes  
C = Crack  
AB = Arc Burn  
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Joint Number(s) or PO Number and Heat Number for Traceability	Weld Number or NDT Number	Pipe Diameter, Wall Thickness, & Grade	Welding Procedure Specification Number (WPS)	Welder ID (LAN ID or A#)  (See Note A)		Weld Pass  (See note B)		Joint Cleaning	Bevel Cond. & Rr up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics DCSP/PCSN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual weld Defects	Visual Defects Repaired	Released for NDT (Y or NA)	NDT Results (Y or NA)	NDT Repaired (If Rejected)	Soap Test*	Remarks  Record all weld defect codes with welder ID (See Note C)	
				Welder 1	Welder 2	Weld Pass 1	Weld Pass 2																
jt.204 to jt.532D	TI-974	24.00/.375/X-60	232Sc-G	JSDQ	B772	A	A	A	A	A	A	A	A	A	A	A	NA	Y	R	NA	NA	"UC" (JSDQ), "IP" & "UC" (B772) Weld cut out & not used in pipeline	
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
Multiple Repair Procedure Number (If used)								NA															
jt.532D to jt.210	TI-975	24.00/.375/X-60	232Sc-G	JSDQ	B772	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	NA	"UC" (JSDQ) & (B772). Weld cut out and not used in pipeline	
		24.00/.312/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA
Multiple Repair Procedure Number (If used)								NA															
Multiple Repair Procedure Number (If used)								NA															
Multiple Repair Procedure Number (If used)								NA															
Multiple Repair Procedure Number (If used)								NA															
Multiple Repair Procedure Number (If used)								NA															

\* ALL WELDS NOT STRENGTH TESTED MUST BE SOAP TESTED AT LINE PRESSURE.

Total Welds Visually Inspected: 2 Total Welds Rejected: 2 Inspector ID: B-172 Company: Canus Signature: Terry Phipps  
Inspector qualified by:

OQ <input checked="" type="checkbox"/> Exp. Date: <u>8/24/2017</u> CWI <input checked="" type="checkbox"/> Cert. # <u>2020691</u>	Experience <input type="checkbox"/> CPWI <input type="checkbox"/> Cert. # _____
OQ or CWI qualification is acceptable for ANY weld, but REQUIRED for OQ covered welds	
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SB GT&S\_0023738

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## DAILY FIELD WELD SUMMARY REPORT

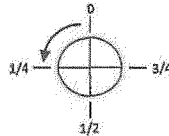
For welds on pipelines operating greater than 60 psi

Date: 10/11/2013-1

FD-40-A  
07/05/2012 Rev. 0

<b>Project :</b> R134 L-114, Pipe Replacement, Order# - 30943472	<b>Location:</b> Brentwood, MP 12.70 to 16.57
<b>Welding Organization:</b> PG&E/Snelson	<b>NDE Contractor:</b> (WIX) Western Industrial X-Ray

(A) Welder I.D. Numbers are listed according to their position on weld oriented counter-clockwise facing EAST or NORTH (examples shown to the right).



(B) Weld Pass Code  
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Examples - Welder ID / Weld Pass Code

1 Welder Crew				2 Welder Crew			
Welder ID		Weld Pass		Welder ID		Weld Pass	
Welder 1	NA	A	NA	Welder 1	Welder 2	A	A
NA	NA	NA	NA	NA	NA	NA	NA
Two (2 Welder) Crews							
Welder ID		Weld Pass		Welder ID		Weld Pass	
Welder 1	Welder 2	R, H	R, H	Welder 3	Welder 4	F, C	F, C

(C) Visual Weld Defect Codes

C = Crack  
AB = Arc Burn  
WD = Weld Dimensions  
BT = Burn Through  
P = Porosity  
UA = Unacceptable Appearance  
IP = Inadequate Penetration  
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Mark each item with A=Accepted OR R=Rejected

Joint Number(s) or PO Number and Heat Number for Traceability	Weld Number or NDT Number	Pipe Diameter, Wall Thickness, & Grade	Welding Procedure Specification Number (WPS)	Welder ID (LAN ID or A#)		Weld Pass (See note B)		Joint Cleaning	Bevel Cond. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics DCEP/DCEN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual Weld Defects	Visual Defects Repaired	Released for NDT (Y or NA)	NDT Results	NDT Repaired (if Rejected)	Soap Test*	Remarks Record all weld defect codes with welder ID (See Note C)
				(See Note A)	(See Note A)	(See Note B)	(See Note B)															
jt.5288 to jt.532B	TI-970	24.00/.375/X-60	232Sc-G	A850	R1T5	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
jt.532B to jt.233	TI-971	24.00/.375/X-60	232Sc-G	A850	R1T5	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.312/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
jt.248 to jt.532C	TI-972R	24.00/.375/X-60	232Sc-G	TXBY	B508	A	A	A	A	A	A	A	A	A	A	A	NA	Y	R	A	A	IUC @ 21" to 24" (TXBY) and "P" @ 65 1/2" (B508)
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
jt.532C to jt.419C	TI-973	24.00/.375/X-60	232Sc-G	TXBY	B508	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.312/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
jt.533B to jt.522B	TI-976	24.00/.375/X-60	232Sc-G	R1T5	A850	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.312/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
jt.522B to jt.61B	TI-977	24.00/.375/X-60	232Sc-G	R1T5	A850	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.312/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						

\* ALL WELDS NOT STRENGTH TESTED MUST BE SOAP TESTED AT LINE PRESSURE.

Total Welds Visually Inspected: **6**

Total Welds Rejected: **1**

Inspector ID: **B-172**

Company: **Canus**

Signature: *Jerry Blythe*

Inspector qualified by:

OQ

Exp. Date: **8/24/2017**

CWI

Cert. # **2020691**

Experience

CPWI  Cert. #

OQ or CWI qualification is acceptable for ANY weld, but REQUIRED for OQ covered welds

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SB GT&S\_0023739

# 1.2.4 Quality Control Level I - Daily Field Weld Summary Report



## DAILY FIELD WELD SUMMARY REPORT

For welds on pipelines operating greater than 60 psi

Date: 9/19/2013

FD-40-A  
07/05/2012 Rev. 0

<b>Project :</b> R134 L-114, Pipe Replacement, Order# - 30943472	<b>Location:</b> Brentwood, MP 12.70 to 16.57
<b>Welding Organization:</b> PG&E/Snelson	<b>NDE Contractor:</b> (WIX) Western Industrial X-Ray

(A) Welder I.D. Numbers are listed according to their position on weld oriented counter-clockwise facing EAST or NORTH (examples shown to the right).

Examples - Welder ID / Weld Pass Code

1 Welder Crew

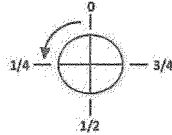
Welder ID	Weld Pass		
Welder 1	NA	A	NA
NA	NA	NA	NA

2 Welder Crew

Welder ID	Weld Pass
Welder 1	A A
NA	NA NA

Two (2 Welder) Crews

Welder ID	Weld Pass
Welder 1	R, H R, H
Welder 3	F, C F, C



(B) Weld Pass Code  
R=Root Bead, H=Hot Pass  
F=Filler, C=Cap, A=Complete Weld

(C) Visual Weld Defect Codes

- C = Crack
- AB = Arc Burn
- WD = Weld Dimensions
- BT = Burn Through
- P = Porosity
- UA = Unacceptable Appearance
- IP = Inadequate Penetration
- IF = Incomplete Fusion
- UC = Undercut

**\*\* All items must be witnessed and inspected \*\***  
Mark each item with A=Accepted OR R=Rejected

AS BUILT 00  
LAN ID: A076  
DATE: 10-2-13

Joint Number(s) or PO Number and Heat Number for Traceability	Weld Number or NDT Number	Pipe Diameter, Wall Thickness, & Grade	Welding Procedure Specification Number {WPS}	Welder ID (LAN ID or A#) (See Note A)		Weld Pass (See note B)		Joint Cleaning	Bevel Cond. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time between Passes	Electrical Characteristics DCEP/DCEN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual Weld Defects	Visual Defects Repaired	Released for NDT (Y or NA)	NDT Results	NDT Repaired (If Rejected)	Soap Test*	Remarks Record all weld defect codes with welder ID (See Note C)
				Welder 1	Welder 2	Weld Pass	Weld Pass															
Jt.157 to Jt.531B	W-965	24.00/.375/X-60	232Sc-G	B508	M1MS	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
Jt.2A-2 to Jt.497D	W-966	24.00/.375/X-60	232Sc-G	JSDQ	A964	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
Jt.531 to Jt.156	W-967	24.00/.375/X-60	232Sc-G	B772	BCGB	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
Jt.538D to Jt.538C	W-968	8.625/.322/Gr. B	122Sc-G	B508	M1MS	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		8.625/.322/Gr. B		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
Jt.538D-1 to Jt.34H	W-969	8.625/.322/Gr. B	122Sc-G	B508	M1MS	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test
		8.625/.322/Gr. B		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Multiple Repair Procedure Number (If used)																						
Multiple Repair Procedure Number (If used)																						

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Total Welds Visually Inspected: 5

Total Welds Rejected: 0

Inspector ID: B-172

Company: Canus

Signature: Jerry Blipes

Inspector qualified by:

<p>OQ <input checked="" type="checkbox"/> Exp. Date: <u>8/24/2017</u> CWI <input checked="" type="checkbox"/> Cert. # <u>2020691</u></p>	<p>Experience <input type="checkbox"/> CPWI <input type="checkbox"/> Cert. # _____</p>
<p>OQ or CWI qualification is acceptable for ANY weld, but REQUIRED for OQ covered welds</p>	
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# 1.2.4 Quality Control Level I - Daily Field Weld Summary Report



## DAILY FIELD WELD SUMMARY REPORT

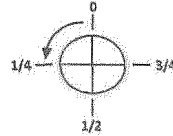
For welds on pipelines operating greater than 60 psi

Date: 9/18/2013

FD-40-A  
07/05/2012 Rev. 0

<b>Project:</b> R134 L-114, Pipe Replacement, Order# - 30943472	<b>Location:</b> Brentwood, MP 12.70 to 16.57
<b>Welding Organization:</b> PG&E/Snelson	<b>NDE Contractor:</b> (WIX) Western Industrial X-Ray

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(B) Weld Pass Code  
R=Root Bead, H=Hot Pass  
F=Filler, C=Cap, A=Complete Weld

**Examples - Welder ID / Weld Pass Code**

1 Welder Crew

Welder ID		Weld Pass	
Welder 1	NA	A	NA
NA	NA	NA	NA

2 Welder Crew

Welder ID		Weld Pass	
Welder 1	Welder 2	A	A
NA	NA	NA	NA

Two (2) Welder Crews

Welder ID		Weld Pass	
Welder 1	Welder 2	R, H	R, H
Welder 3	Welder 4	F, C	F, C

**(C) Visual Weld Defect Codes**

- C = Crack
- AB = Arc Burn
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- BT = Burn Through
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Mark each item with A=Accepted OR R=Rejected

**AS BUILT QC**  
LAN ID: A378  
DATE: 10-2-13

Joint Number(s) or PO Number and Heat Number for Traceability	Weld Number or NDT Number	Pipe Diameter, Wall Thickness, & Grade	Welding Procedure Specification Number (WPS)	Welder ID (LAN ID or A#)		Weld Pass (See note B)		Joint Cleaning	Bevel Contd. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics DCEP/DCEN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual Weld Defects	Visual Defects Repaired	Released for NDT (Y or NA)	NDT Results	NDT Repaired (if Rejected)	Soap Test*	Remarks Record all weld defect codes with welder ID (See Note C)																						
				Welder 1	Welder 2	Weld Pass	Weld Pass																																					
jt.535 to jt.529B	TI-963	24.00/.375/X-60	232Sc-G	B508	E1MS	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test																						
		24.00/.375/X-60		NA	NA	NA	NA																																					
Multiple Repair Procedure Number (if used)																																												
jt.537B to jt.L-114 Existing	TI-964	22.00/.375/X-65	332Sc-G	A8S0	JSDQ	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test																						
		22.00/.375/X-65		NA	NA	NA	NA																																					
Multiple Repair Procedure Number (if used)																																												
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Total Welds Rejected: 0

Inspector ID: B-172

Company: Canus

Signature: Jerry Dypis

OQ  Exp. Date: 8/24/2017 CWI  Cert. # 2020691

Experience  CPWI  Cert. # \_\_\_\_\_

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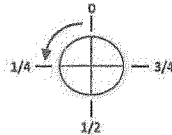
For welds on pipelines operating greater than 60 psi

Date: 9/17/2013

FD-40-A  
07/05/2012 Rev. 0

<b>Project:</b> R134 L-114, Pipe Replacement, Order# - 30943472	<b>Location:</b> Brentwood, MP 12.70 to 16.57
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Welder ID		Weld Pass	
Welder 1	NA	A	NA
NA	NA	NA	NA
Two (2) Welder Crews			
Welder ID		Weld Pass	
Welder 1	Welder 2	R, H	R, H
Welder 3	Welder 4	F, C	F, C

2 Welder Crew			
Welder ID		Weld Pass	
Welder 1	Welder 2	A	A
NA	NA	NA	NA

(C) Visual Weld Defect Codes

- C = Crack
- AB = Arc Burn
- WD = Weld Dimensions
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- IF = Incomplete Fusion
- UC = Undercut

**\*\* All items must be witnessed and inspected \*\***  
Mark each item with A=Accepted OR R=Rejected

AS BUILT QC  
LAN ID: AXTB  
DATE: 10-2-13

Joint Number(s) or PO Number and Heat Number for Traceability	Weld Number or NDT Number	Pipe Diameter, Wall Thickness, & Grade	Welding Procedure Specification Number (WPS)	Welder ID (LAN ID or AH) (See Note A)		Weld Pass (See Note B)		Joint Cleaning	Bevel Cond. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics DCEP/DCEN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual Weld Defects	Visual Defects Repaired Released for NDT (Y or NA)	NDT Results	NDT Repaired (If Rejected)	Soap Test*	Remarks Record all weld defect codes with welder ID (See Note C)																					
				Welder 1	Welder 2	Weld Pass 1	Weld Pass 2																																			
Jt.536 to Jt.L-114 Existing	TI-960	22.00/.375/X-65	332Sc-G	B508	M1M5	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test																				
		22.00/.375/X-65		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA																			
Multiple Repair Procedure Number (if used)																					NA																					
Jt.528A to Jt.526	TI-961	24.00/.375/X-60	232Sc-G	B772	JSDQ	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test																				
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA																			
Multiple Repair Procedure Number (if used)																					NA																					
Jt.528 to Jt.528A	W-962	24.00/.375/X-60	232Sc-G	B772	JSDQ	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test																				
		24.00/.375/X-60		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA	NA																		
Multiple Repair Procedure Number (if used)																					NA																					
Multiple Repair Procedure Number (if used)																					NA																					
Multiple Repair Procedure Number (if used)																					NA																					
Multiple Repair Procedure Number (if used)																					NA																					

\* ALL WELDS NOT STRENGTH TESTED MUST BE SOAP TESTED AT LINE PRESSURE.

Total Welds Visually Inspected: 3

Total Welds Rejected: 0

Inspector ID: B-172

Company: Canus

Signature: Terry Hynes

Inspector qualified by:

OQ <input checked="" type="checkbox"/>	Exp. Date: <u>8/24/2017</u>	CWI <input checked="" type="checkbox"/>	Cert. # <u>2020691</u>
--	-----------------------------	---	------------------------

Experience <input type="checkbox"/>	CPWI <input type="checkbox"/>	Cert. # _____
-------------------------------------	-------------------------------	---------------

Qualification by Experience or CPWI is for NEW construction ONLY.

OQ or CWI qualification is acceptable for ANY weld, but REQUIRED for OQ covered welds

# 1.2.4 Quality Control Level I - Daily Field Weld Summary Report



## DAILY FIELD WELD SUMMARY REPORT

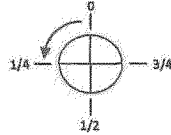
For welds on pipelines operating greater than 60 psi

Date: 9/16/2013-1

FD-40-A  
07/05/2012 Rev. 0

<b>Project :</b> R134 L-114, Pipe Replacement, Order# - 30943472	<b>Location:</b> Brentwood, MP 12.70 to 16.57
<b>Welding Organization:</b> PG&E/Snelson	<b>NDE Contractor:</b> (WIX) Western Industrial X-Ray

(A) Welder I.D. Numbers are listed according to their position on weld oriented counter-clockwise facing EAST or NORTH (examples shown to the right).



(B) Weld Pass Code  
R=Root Bead, H=Hot Pass  
F=Filler, C=Cap, A=Complete Weld

**Examples - Welder ID / Weld Pass Code**

1 Welder Crew

Welder ID		Weld Pass	
Welder 1	NA	A	NA
NA	NA	NA	NA

2 Welder Crew

Welder ID		Weld Pass	
Welder 1	Welder 2	A	A
NA	NA	NA	NA

Two (2 Welder) Crews

Welder ID		Weld Pass	
Welder 1	Welder 2	R, H	R, H
Welder 3	Welder 4	F, C	F, C

**(C) Visual Weld Defect Codes**

- C = Crack
- AB = Arc Burn
- WD = Weld Dimensions
- BT = Burn Through
- P = Porosity
- UA = Unacceptable Appearance
- IP - Inadequate Penetration
- IF = Incomplete Fusion
- UC = Undercut

**\*\* All items must be witnessed and inspected \*\***  
Mark each item with A=Accepted OR R=Rejected

AS BUILT QC  
LAN ID: AXTB  
DATE: 10-2-13

Joint Number(s) or PO Number and Heat Number for Traceability	Weld Number or NDT Number	Pipe Diameter, Wall Thickness, & Grade	Welding Procedure Specification Number (WPS)	Welder ID (LAN ID or A#) (See Note A)		Weld Pass (See note B)		Joint Cleaning	Bevel Cond. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics DC/AC/DCEN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual weld Defects	Visual Defects Repaired Released for NDT (Y or NA)	NDT Results (Y or NA)	NDT Rejected (If Rejected)	Soap Test*	Remarks  Record all weld defect codes with welder ID (See Note C)		
				Welder 1	Welder 2	Weld Pass 1	Weld Pass 2																
Jt.517 to Jt.522B	TI-956	24.00/.375/X-60	232Sc-G	SDGA	A836	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Soap Test	
		24.00/.375/X-60		NA	NA	NA	NA																
Multiple Repair Procedure Number (If used)																					NA	NA	
Jt.523 to Jt.L-114 Existing	TI-957	24.00/.375/X-60	232Sc-G	B508	M1MS	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Soap Test	
		24.00/.312/X-60		NA	NA	NA	NA																
Multiple Repair Procedure Number (If used)																					NA	NA	
Jt.244 to Jt.316A	TI-958	24.00/.375/X-60	232Sc-G	JSDQ	R4M6	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Soap Test	
		24.00/.375/X-60		NA	NA	NA	NA																
Multiple Repair Procedure Number (If used)																					NA	NA	
Jt.172A to Jt.L-114 Existing	TI-959	24.00/.375/X-60	232Sc-G	A964	B772	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	Soap Test	
		24.00/.312/X-60		NA	NA	NA	NA																
Multiple Repair Procedure Number (If used)																					NA	NA	
Multiple Repair Procedure Number (If used)																					NA	NA	
Multiple Repair Procedure Number (If used)																					NA	NA	

\* ALL WELDS NOT STRENGTH TESTED MUST BE SOAP TESTED AT LINE PRESSURE.

Total Welds Visually Inspected: 4

Total Welds Rejected: 0

Inspector ID: B-172

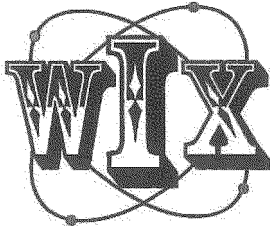
Company: Canus

Signature: Jerry Hipes

Inspector qualified by:

OQ <input checked="" type="checkbox"/> Exp. Date: <u>8/24/2017</u> CWI <input checked="" type="checkbox"/> Cert. # <u>2020691</u>	Experience <input type="checkbox"/> CPWI <input type="checkbox"/> Cert. # _____
OQ or CWI qualification is acceptable for ANY weld, but REQUIRED for OQ covered welds	
Qualification by Experience or CPWI is for NEW construction ONLY.	

SB GT&S 0023743



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 www.wixinc.net

Date 9/16/13 Page 1 Of 1  
 Radiographic Report or Control # RIG F  
 Customer PG&E  
 Address \_\_\_\_\_  
 Customer's P.O. Number 2500  
 Job Location BRENTWOOD, CA L 114-2  
 Job Number 30943472  
 Item Description 24" & 22" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

Piece or Joint #s	Weld Number	Film No.	A c c	R e j	Defect Code	Comments	Work Summary	
							Amount	Description
EXT // IC2201A	TW-955	3	✓			22" X .375 / X42	<u>2</u> Travel Hours	<u>2</u> # Persons
JT.244 / JT.316A	TI-958	3	✓			24" X .375 / X60	<u>12:0p</u> In Time	<u>8:00p</u> Out Time
							<u>8</u> Work Hours	
							Standby Hours	
							<u>10</u> Total Hours	
							<u>NO</u> Per Diem	_____ # Persons
							<u>100</u> Mileage One Way _____ Round Trip <input checked="" type="checkbox"/>	
							<u>1</u> Weld <u>24</u> in. dia. _____ Weld _____ in. dia.	
							<u>1</u> Weld <u>22</u> in. dia. _____ Weld _____ in. dia.	
							_____ Weld _____ in. dia. _____ Weld _____ in. dia.	
							Film _____ x _____ Type _____	
							Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification	<u>API 1104</u>
							Acceptance Standard	<u>20TH</u>
							RT Procedure No.	<u>RT 7</u> Shooting Sketch (RSSS) <u>D</u>
							View: <u>DWE</u> <u>SWV</u> Source <u>Ir192</u> Curies <u>56</u>	
							Physical Source Size: <u>106/090</u> Effective Focal Spot: <u>139</u>	
							Pb Screens: Front <u>005</u> Center <u>FILM</u> Back <u>10</u>	
							Dia. <u>22"</u> Material Type: <u>X42</u> Thickness: <u>.375</u> Reinf: <u>125</u>	
							SFD: <u>22</u> Source To Obj: <u>21.5</u> IQI Essential Wire: <u>013</u>	
							Exp. Time: <u>3</u> min. <u>40</u> sec. Dev. Time: <u>5</u> @ <u>69</u> deg.	
							Film Manufacturer: <u>AGFA</u> Speed: <u>D5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>003</u> Avg. Density: <u>2.5</u>	
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf: <u>125</u>	
							SFD: <u>24"</u> Source To Obj: <u>23.5</u> IQI Essential Wire: <u>013</u>	
							Exp. Time: <u>4</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>69</u> deg.	
							Film Manufacturer: <u>AGFA</u> Speed: <u>D5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>002</u> Avg. Density: <u>2.5</u>	
							Dia: _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

**Defect Code**

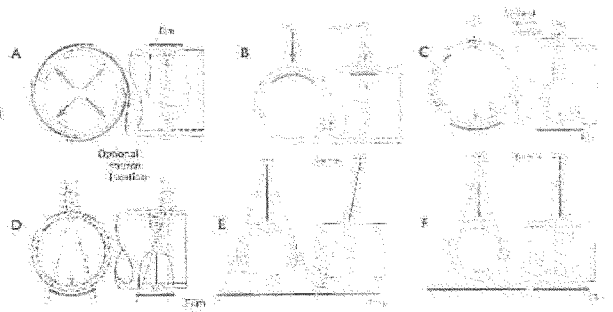
- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. [Signature] Level II  
 Radiographer IAN MILNER  
 2. [Signature] Level I  
 Radiographer's Assistant TRAVIS RIGDON

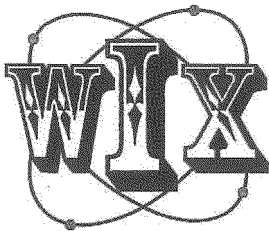
The person signing this document represents that they have the authority to sign on the behalf of the customer. This report does not guaranty or warranty the condition of the materials tested. Western Industrial X-Ray, Inc. is not liable for any interpretation of results or losses attributable to any testing performed. There is no warranty for these services. Any liability is limited to the amount paid for the services in question. Final film interpretation is the responsibility of the customer.

[Signature] B172  
 Customer Signature

Date 9/16/13







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Date 09/16/2013 Page 1 Of 1  
 Radiographic Report or Control # #69  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number 2500759984  
 Job Location BRENTWOOD CA LINE 114-2  
 Job Number 30943472 RIG-A  
 Item Description 16"X24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

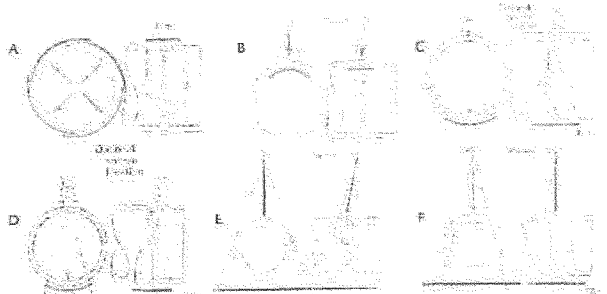
Piece or Joint #s	Weld Number	Film No.	Acc	Rej	Defect Code	Comments	Work Summary			
							Amount	Description		
EXIST-L316/IC16-02A	TW-954	3	✓			16"X.375	2	Travel Hours	2	# Persons
JT-510A/EXIST-L-114	TW-953	3	✓			24"X.500	1100	In Time	2100	Out Time
JT-517/JT-522-B	TI-956	3	✓			24"X.375	10	Work Hours		
EXIST-L-114/JT-523	TI-957	3	✓			24"X.375	0	Standby Hours		
JT-172-A/EXIST-L-114	TI-959	3	✓			24"X.375	12	Total Hours		
							NO	Per Diem		# Persons
							100	Mileage One Way		Round Trip <input checked="" type="checkbox"/>
							1	Weld 16" in. dia.		Weld _____ in. dia.
							4	Weld 24" in. dia.		Weld _____ in. dia.
								Weld _____ in. dia.		Weld _____ in. dia.
								Film _____ x _____ Type _____		
								Film _____ x _____ Type _____		
								Technique Date/Procedure Qualification		
								Inspection Specification	API 1104	
								Acceptance Standard	20TH	
								RT Procedure No.	7	Shooting Sketch (RSSS) <u>D</u>
								View: <u>DWE</u> <u>SWV</u>	Source <u>Ir192</u>	Curies <u>94</u>
								Physical Source Size: <u>106X120</u>	Effective Focal Spot: <u>160</u>	
								Pb Screens: Front <u>.005</u> Center <u>N/A</u> Back <u>.005</u>		
								Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf.: <u>.125</u>		
								SFD: <u>24"</u> Source To Obj.: <u>23.62</u> IQI Essential Wire: <u>016</u>		
								Exp. Time: <u>4</u> min. <u>30</u> sec. Dev. Time: <u>4:30</u> @ <u>70</u> deg.		
								Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>		
								Geometric Unsharpness (Ug): <u>.002</u> Avg. Density: <u>2.6</u>		
								Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.500</u> Reinf.: <u>.125</u>		
								SFD: <u>24"</u> Source To Obj.: <u>23.5</u> IQI Essential Wire: <u>016</u>		
								Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>4:30</u> @ <u>70</u> deg.		
								Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>		
								Geometric Unsharpness (Ug): <u>.002</u> Avg. Density: <u>2.6</u>		
								Dia. <u>16"</u> Material Type: <u>X-42</u> Thickness: <u>.375</u> Reinf.: <u>.125</u>		
								SFD: <u>16"</u> Source To Obj.: <u>16.625</u> IQI Essential Wire: <u>013</u>		
								Exp. Time: <u>0</u> min. <u>50</u> sec. Dev. Time: <u>4:70</u> @ <u>70</u> deg.		
								Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>		
								Geometric Unsharpness (Ug): <u>.005</u> Avg. Density: <u>2.6</u>		

**Defect Code**

- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

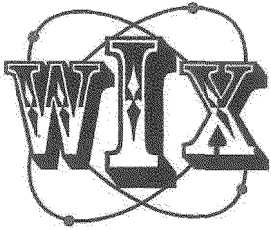
1. [Signature] Level II  
 Radiographer STEPHEN CARPENTER  
 2. [Signature] Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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[Signature] B172  
 Customer's Signature

Date 9/16/13



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 www.wixinc.net

Date 09/17/2013 Page 1 Of 1  
 Radiographic Report or Control # #70  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number 2500759984  
 Job Location BRENTWOOD CA LINE 114-2  
 Job Number 30943472 RIG-A  
 Item Description 22" & 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

Piece or Joint #s	Weld Number	Film No.	Acc	Rej	Defect Code	Comments	Work Summary		
							Amount	Description	
EXT-L114/JT-536	TI-960	3	✓			22"X.375	1 Travel Hours	2 # Persons	
JT-528-A/JT-526	TI-961	3	✓			24"X.375	1300 In Time	0130 Out Time	
JT-528/JT-528-A	W-962	3	✓			24"X.375	12.5 Work Hours	0 Standby Hours	
							13.5 Total Hours	NO Per Diem	
							50 Mileage One Way	Round Trip	
							1 Weld 2" in. dia.	Weld in. dia.	
							2 Weld 24" in. dia.	Weld in. dia.	
							Weld in. dia.	Weld in. dia.	
							Film x Type		
							Film x Type		
							Technique Date/Procedure Qualification		
							Inspection Specification <u>API 1104</u>		
							Acceptance Standard <u>20TH</u>		
							RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u>		
							View: <u>DWE SWV</u> Source <u>Ir192</u> Curies <u>94</u>		
							Physical Source Size: <u>106X.120</u> Effective Focal Spot: <u>160</u>		
							Pb Screens: Front <u>.005</u> Center <u>N/A</u> Back <u>.005</u>		
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf: <u>.125</u>		
							SFD: <u>24"</u> Source To Obj: <u>23.62</u> IQI Essential Wire: <u>.016</u>		
							Exp. Time: <u>2</u> min. <u>30</u> sec. Dev. Time: <u>4:30</u> @ <u>70</u> deg.		
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>		
							Geometric Unsharpness (Ug): <u>.002</u> Avg. Density: <u>2.6</u>		
							Dia. <u>22"</u> Material Type: <u>X-65</u> Thickness: <u>.375</u> Reinf: <u>.125</u>		
							SFD: <u>22"</u> Source To Obj: <u>21.62</u> IQI Essential Wire: <u>.016</u>		
							Exp. Time: <u>2</u> min. <u>0</u> sec. Dev. Time: <u>4:30</u> @ <u>70</u> deg.		
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>		
							Geometric Unsharpness (Ug): <u>.003</u> Avg. Density: <u>2.6</u>		
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____		
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____		
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.		
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____		
							Geometric Unsharpness (Ug): _____ Avg. Density: _____		

**Defect Code**

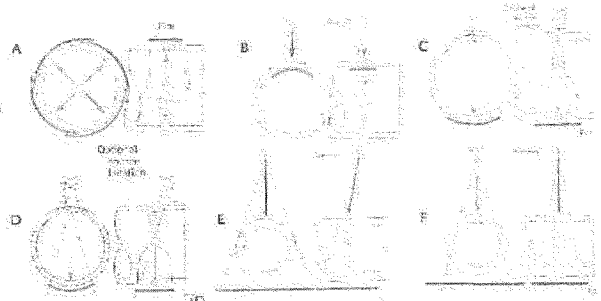
- BT - Burn Through
- ICP - Inadequate Cross Penetration
- P - Porosity
- C - Crack
- IF - Incomplete Fusion
- SL - Slag Lines
- CV - Root Concavity
- IP - Incomplete Penetration
- SI - Slag Inclusions
- CX - Root Convexity
- PD - Inadequate Penetration Due to High-Low
- UC - Undercut
- DT - Drop Through
- Ox - Oxidation
- TI - Tungsten Inclusion

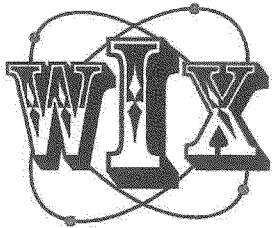
1. [Signature] Level II  
 Radiographer **STEPHEN J. PENTER**  
 2. [Signature] Level I  
 Radiographer's Assistant **GERRIT VANSICKLE**

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[Signature] **B172**  
 Customer's Signature

Date 9/17/13





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Date 09/18/2013 Page 1 Of 1  
 Radiographic Report or Control # #71  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number 2500759984  
 Job Location BRENTWOOD CA LINE 114-2  
 Job Number 30943472 RIG-A  
 Item Description 22" & 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

Piece or Joint #s	Weld Number	Film No.	Acc	Rej	Defect Code	Comments	Work Summary							
							Amount	Description						
JT-535/JT-529-B	TI-963	3	✓			24"X.375	2	Travel Hours	2	# Persons				
JT-537-B/EXISTL-114	TI-964	3	✓			22"X.375	1200	In Time	1900	Out Time				
							7	Work Hours						
							0	Standby Hours						
							9	Total Hours						
							NO	Per Diem		# Persons				
							100	Mileage One Way		Round Trip <input checked="" type="checkbox"/>				
							1	Weld 22" in. dia.		Weld _____ in. dia.				
							1	Weld 24" in. dia.		Weld _____ in. dia.				
								Weld _____ in. dia.		Weld _____ in. dia.				
								Film _____ x _____ Type _____						
								Film _____ x _____ Type _____						
TI-963 WAS REQUAL							Technique Date/Procedure Qualification							
E-MASON							Inspection Specification	<u>API 1104</u>						
5P REQUAL							Acceptance Standard	<u>20TH</u>						
4473							RT Procedure No.	<u>7</u>	Shooting Sketch (RSSS)	<u>D</u>				
ORIGINAL FILM							View: <u>DWE SWV</u>	Source	<u>IR192</u>	Curies	<u>54</u>			
WAS LEFT WITH							Physical Source Size:	<u>106X090</u>	Effective Focal Spot:	<u>.139</u>				
WELDER							Pb Screens: Front	<u>.005</u>	Center	<u>N/A</u>	Back	<u>.005</u>		
	TI-963RQ	2	✓			24"X.375	Dia. <u>24"</u>	Material Type:	<u>X60</u>	Thickness:	<u>.375</u>	Reinf.:	<u>.125</u>	
<i>Erik Mason</i>	<i>EIMB</i>						SFD: <u>24"</u>	Source To Obj.:	<u>23.62</u>	IQI Essential Wire:	<u>.016</u>			
<i>Elmer Mason</i>							Exp. Time:	<u>4</u> min. <u>30</u> sec.	Dev. Time:	<u>4:30</u> @ <u>70</u> deg.				
							Film Manufacturer:	<u>Agfa</u>	Speed:	<u>D-5</u>	No. of Exp.:	<u>3</u>	Film	<u>3</u>
							Geometric Unsharpness (Ug):	<u>.002</u>	Avg. Density:	<u>2.4</u>				
							Dia. <u>22"</u>	Material Type:	<u>X-65</u>	Thickness:	<u>.375</u>	Reinf.:	<u>.125</u>	
							SFD: <u>22"</u>	Source To Obj.:	<u>21.62</u>	IQI Essential Wire:	<u>.016</u>			
							Exp. Time:	<u>4</u> min. <u>0</u> sec.	Dev. Time:	<u>4:30</u> @ <u>70</u> deg.				
							Film Manufacturer:	<u>Agfa</u>	Speed:	<u>D-5</u>	No. of Exp.:	<u>3</u>	Film	<u>3</u>
							Geometric Unsharpness (Ug):	<u>.003</u>	Avg. Density:	<u>2.4</u>				
							Dia. _____	Material Type:	_____	Thickness:	_____	Reinf.:	_____	
							SFD: _____	Source To Obj.:	_____	IQI Essential Wire:	_____			
							Exp. Time: _____	min. _____	sec. _____	Dev. Time: _____	@ _____	deg.		
							Film Manufacturer: _____	Speed: _____	No. of Exp. _____	Film _____				
							Geometric Unsharpness (Ug): _____	Avg. Density: _____						

**Defect Code**

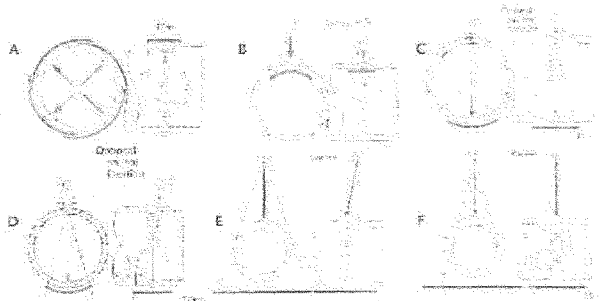
- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

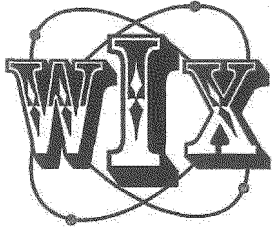
1. \_\_\_\_\_ Level II  
 Radiographer STEPHEN A CENTER  
 2. \_\_\_\_\_ Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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*Jerry Dupin B172*  
 Customer's Signature

Date 9/18/13





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 www.wixinc.net

Date 09/20/2013 Page 1 Of 1  
 Radiographic Report or Control # #73  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number 2500759984  
 Job Location BRENTWOOD CA LINE 114-2  
 Job Number 30943472 RIG-A  
 Item Description 8"X24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film No.	A c c	R e i	Defect Code	Comments	Work Summary	
							Amount	Description
JT-157/JT-531-B	W-965	3	✓			24"X.375	<u>2</u> Travel Hours	<u>2</u> # Persons
JT-2A-2/JT-497-D	W-966	3	✓			24"X.375	<u>0830</u> In Time	<u>1230</u> Out Time
JT-531/JT-156	W-967	3	✓		IPD	IPD@70"TO72.5"	<u>4</u> Work Hours	
JT-538-D/JT-538-C	W-968	3	✓			8"X.322	<u>0</u> Standby Hours	
JT-538-D.1/JT-34-H	W-969	3	✓			8"X.322	<u>6</u> Total Hours	
							<u>NO</u> Per Diem	_____ # Persons
							<u>100</u> Mileage One Way _____ Round Trip <input checked="" type="checkbox"/>	
							<u>3</u> Weld <u>24"</u> in. dia. _____ Weld _____ in. dia.	
							<u>2</u> Weld <u>8"</u> in. dia. _____ Weld _____ in. dia.	
							_____ Weld _____ in. dia. _____ Weld _____ in. dia.	
							Film _____ x _____ Type _____	
							Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification _____	<u>API 1104</u>
							Acceptance Standard _____	<u>20TH</u>
							RT Procedure No. <u>7</u> Shooting Sketch (RSSS) _____	<u>D</u>
							View: <u>DWF</u> <u>SWV</u> Source <u>Ir-192</u> Curies <u>53</u>	
							Physical Source Size: <u>106X090</u> Effective Focal Spot: <u>139</u>	
							Pb Screens: Front <u>005</u> Center <u>N/A</u> Back <u>005</u>	
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>375</u> Reinf.: <u>125</u>	
							SFD: <u>24"</u> Source To Obj.: <u>23.62</u> IQI Essential Wire: <u>016</u>	
							Exp. Time: <u>4</u> min. <u>30</u> sec. Dev. Time: <u>4:30</u> @ <u>70</u> deg.	
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>002</u> Avg. Density: <u>2.4</u>	
							Dia. <u>8"</u> Material Type: <u>GR-B</u> Thickness: <u>322</u> Reinf.: <u>125</u>	
							SFD: <u>8.625</u> Source To Obj.: <u>8.303</u> IQI Essential Wire: <u>013</u>	
							Exp. Time: <u>0</u> min. <u>33</u> sec. Dev. Time: <u>4:30</u> @ <u>70</u> deg.	
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>007</u> Avg. Density: <u>2.6</u>	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____	
							SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

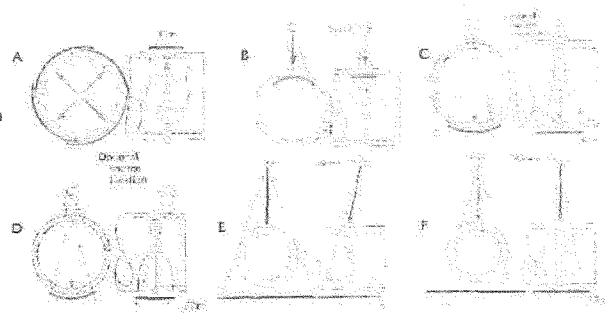
Defect Code

- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. [Signature] Level II  
 Radiographer STEPHEN CARPENTER

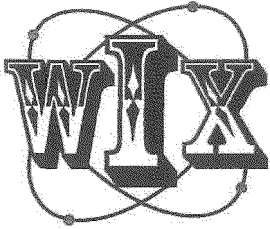
2. [Signature] Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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[Signature] B172  
 Customer's Signature

Date 9/20/13



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 www.wixinc.net

Date 10/11/2013 Page 1 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

Piece or Joint #s	Weld Number	Film No.	Acc	Ref	Defect Code	Comments	Work Summary	
							Amount	Description
PAGE #1 FOR							<u>1.5</u> Travel Hours	<u>2</u> # Persons
BILLING ONLY							<u>0900</u> In Time	<u>0100</u> Out Time
SEE PAGE #2							<u>16</u> Work Hours	
THRU #9 FOR							<u>0</u> Standby Hours	
WELD INFO							<u>17.5</u> Total Hours	
							<u>NO</u> Per Diem	_____ # Persons
							<u>50</u> Mileage One Way <input checked="" type="checkbox"/> Round Trip _____	
							<u>8</u> Weld <u>24"</u> in. dia. _____ Weld _____ in. dia.	
							_____ Weld _____ in. dia. _____ Weld _____ in. dia.	
							_____ Weld _____ in. dia. _____ Weld _____ in. dia.	
							<u>2</u> Film <u>2.5" x 30"</u> Type <u>D-5</u>	
							_____ Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification _____	
							Acceptance Standard _____	
							RT Procedure No. _____ Shooting Sketch (RSSS) _____	
							View: _____ Source _____ Curies _____	
							Physical Source Size: _____ Effective Focal Spot: _____	
							Pb Screens: Front _____ Center _____ Back _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

*Scott Morris*  
 Scott Morris  
 NDE Level III  
 10-11-13

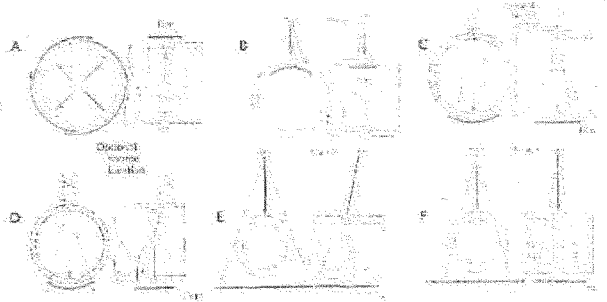
**Defect Code**

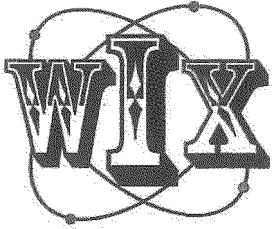
- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. \_\_\_\_\_ Level II  
 Radiographer STEPHEN GARDNER  
 2. \_\_\_\_\_ Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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*Jenny Flynn B172*  
 Customer Signature \_\_\_\_\_ Date 10/11/13





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 www.wixinc.net

Date 10/10/2013 Page 1 Of 1  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD CA LINE-114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film No.	A c c	R e j	Defect Code	Comments	Work Summary		
							Amount	Description	
I.D. VERIFICATION	W-738	1				INFO ONLY	2	Travel Hours	
							0700	In Time	
							1930	Out Time	
I.D. VERIFICATION	W-760	2				INFO ONLY	12.5	Work Hours	
							0	Standby Hours	
							14.5	Total Hours	
I.D. VERIFICATION	W-770	1				INFO ONLY	NO	Per Diem	
								# Persons	
I.D. VERIFICATION	W-771	1				INFO ONLY	100	Mileage One Way	
								Round Trip <input checked="" type="checkbox"/>	
								Weld _____ in. dia.	
								Weld _____ in. dia.	
								Weld _____ in. dia.	
I.D. VERIFICATION	W-781	1				INFO ONLY	6	Film 2.5" x 30" Type D-5	
								Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification		
							Inspection Specification <u>API 1104</u>		
							Acceptance Standard <u>20TH</u>		
							RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u>		
							View: <u>DWE</u> <u>SWV</u> Source <u>Ir192</u> Curies <u>75</u>		
							Physical Source Size: <u>106X120</u> Effective Focal Spot: <u>160</u>		
							Pb Screens: Front <u>005</u> Center <u>N/A</u> Back <u>005</u>		
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>375</u> Reinf.: <u>125</u>		
							SFD: <u>24.47</u> Source To Obj.: <u>24"</u> IQI Essential Wire: <u>013</u>		
							Exp. Time: <u>3</u> min. <u>00</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.		
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>1</u> Film <u>1</u>		
							Geometric Unsharpness (Ug): <u>002</u> Avg. Density: <u>2.4</u>		
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____		
							SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____		
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.		
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____		
							Geometric Unsharpness (Ug): _____ Avg. Density: _____		
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____		
							SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____		
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.		
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____		
							Geometric Unsharpness (Ug): _____ Avg. Density: _____		

*Images do not require Acc/Rej. The five locations radiographed match previous locations.*

*Scott Morris*  
*Scott Morris*  
 PGE AFS NDE Level III  
 10-10-2013

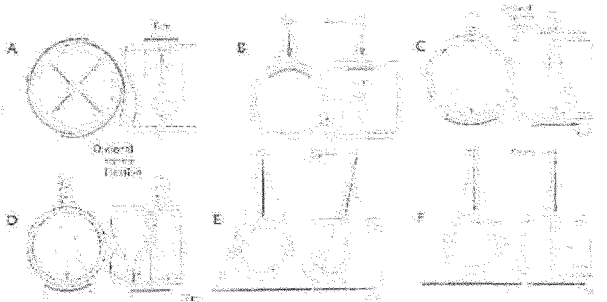
Defect Code

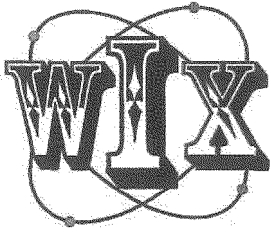
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- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TJ - Tungsten Inclusion

1. STEPHEN CARPENTIER Level II  
 Radiographer  
 2. GERMIT VANSICKLE Level I  
 Radiographer's Assistant

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*Yany Hupis* B172 Date 10/10/13  
 Customer's Signature





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Date 10/11/2013 Page 2 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

Piece or Joint #s	Weld Number	Film No.	Acc	Rej	Defect Code	Comments	Work Summary	
							Amount	Description
J-528-B/J-532-B	TI-970	3	✓			24" X 375 HiLo FROM 4.5" TO 15" VISIBLE ON FILM & PIPE HB@3.5" <2"	SEE Travel Hours _____ # Persons _____ Page In Time _____ Out Time _____ #1 Work Hours _____ Standby Hours _____ Total Hours _____ Per Diem _____ # Persons _____ Mileage One Way _____ Round Trip _____ Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Film _____ x _____ Type _____ Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification <u>API 1104</u> Acceptance Standard <u>20TH</u> RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u> View: <u>DWF</u> <u>SWV</u> Source <u>Jr-192</u> Curies <u>74</u> Physical Source Size: <u>106X100</u> Effective Focal Spot: <u>.149</u> Pb Screens: Front <u>.005</u> Center <u>N/A</u> Back <u>.005</u>	
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>375</u> Reinf.: <u>125</u> SFD: <u>24"</u> Source To Obj.: <u>23.625</u> IQI Essential Wire: <u>013</u> Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg. Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u> Geometric Unsharpness (Ug): <u>.002</u> Avg. Density: <u>2.64</u>	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____ SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____ Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg. Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____ Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____ SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____ Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg. Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____ Geometric Unsharpness (Ug): _____ Avg. Density: _____	

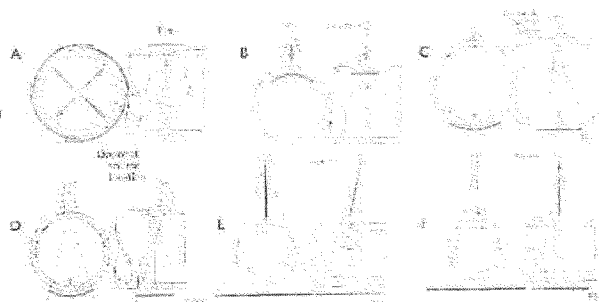
*[Handwritten Signature]*

**Defect Code**

- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

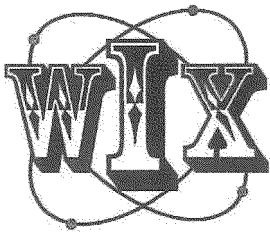
1. [Signature] Level II  
 Radiographer STEPHEN CARBENTEL  
 2. [Signature] Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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[Signature] B172  
 Customer's Signature

Date 10/11/13



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Date 10/11/2013 Page 3 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

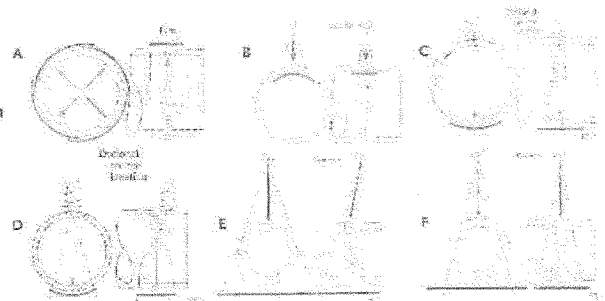
Piece or Joint #s	Weld Number	Film No.	A C C	R E J	Defect Code	Comments	Work Summary	
							Amount	Description
J-532-B/J-233	TI-971	3	✓			24"X.375 P@19.5"<3/32" IP@34.875"<1" P@61.5"<3/32"	SEE Travel Hours _____ # Persons _____ Page In Time _____ Out Time _____ # Work Hours _____ Standby Hours _____ Total Hours _____ Per Diem _____ # Persons _____ Mileage One Way _____ Round Trip _____ Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Film _____ x _____ Type _____ Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification <u>API 1104</u>	
							Acceptance Standard <u>20TH</u>	
							RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u>	
							View: <u>DWF</u> <u>SWV</u> Source <u>Ir192</u> Curies <u>74</u>	
							Physical Source Size: <u>106X100</u> Effective Focal Spot: <u>149</u>	
							Pb Screens: Front <u>005</u> Center <u>N/A</u> Back <u>005</u>	
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>375</u> Reinf: <u>125</u>	
							SFD: <u>24"</u> Source To Obj: <u>23.625</u> IQI Essential Wire: <u>013</u>	
							Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.	
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>002</u> Avg. Density: <u>2.64</u>	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

*[Handwritten Signature]*

**Defect Code**

- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. [Signature] Level II  
 Radiographer **STEPHEN CARPENTER**  
 2. [Signature] Level I  
 Radiographer's Assistant **GERRIT VANSICKLE**

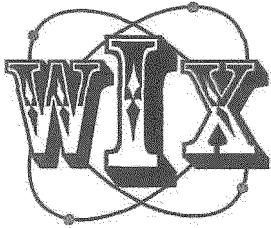


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[Signature] B172  
 Customer's Signature

Date 10/11/13





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Date 10/11/2013 Page 4 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

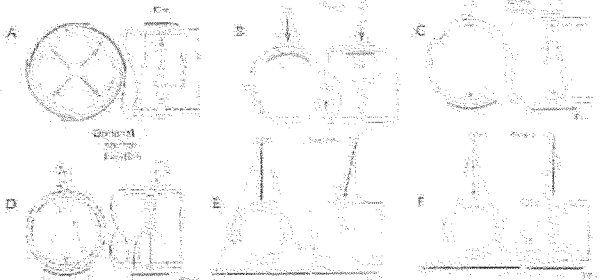
Piece or Joint #s	Weld Number	Film No.	A c c	R e j	Defect Code	Comments	Work Summary	
							Amount	Description
J-248/J-532-C	TI-972	3		<input checked="" type="checkbox"/>		24"X.375	<u>SEE</u> Travel Hours _____ # Persons _____	
					P	p@65.125">3/32"	<u>Page</u> In Time _____ Out Time _____	
					IUC	IUC@21-24">2"	<u>#1</u> Work Hours _____	
							Standby Hours _____	
							Total Hours _____	
J-248/J-532-C	TI-972-R	2		<input checked="" type="checkbox"/>		24"X.375	Per Diem _____ # Persons _____	
							Mileage One Way _____ Round Trip _____	
							Weld _____ in. dia. Weld _____ in. dia.	
							Weld _____ in. dia. Weld _____ in. dia.	
							Weld _____ in. dia. Weld _____ in. dia.	
							Film _____ x _____ Type _____	
							Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification <u>API 1104</u>	
							Acceptance Standard <u>20TH</u>	
							RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u>	
							View: <u>DWE</u> <u>SWV</u> Source <u>Ir192</u> Curies <u>74</u>	
							Physical Source Size: <u>106X100</u> Effective Focal Spot: <u>149</u>	
							Pb Screens: Front <u>005</u> Center <u>N/A</u> Back <u>005</u>	
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf: <u>.125</u>	
							SFD: <u>24"</u> Source To Obj: <u>23.625</u> IQI Essential Wire: <u>013</u>	
							Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.	
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>002</u> Avg. Density: <u>2.64</u>	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

*Stephen Carpio*

**Defect Code**

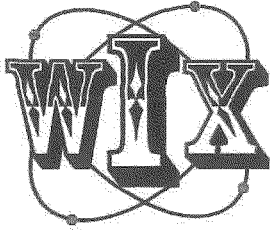
- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CC - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- OC - Overexposure
- F - Porosity
- SL - Slag Inclusions
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. Stephen Carpio Level II  
 Radiographer  
 2. Gerry Vansickle Level I  
 Radiographer's Assistant



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Jerry Chipman B172 Date 10/11/13  
 Customer Signature



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Date 10/11/2013 Page 5 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

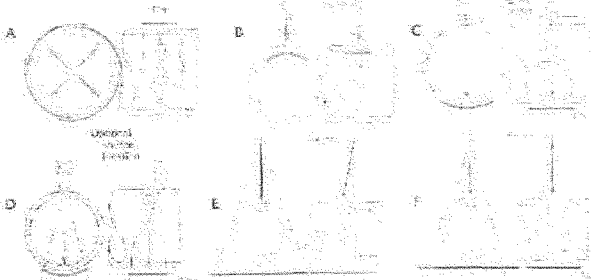
Piece or Joint #s	Weld Number	Film No.	A C C	R E I	Defect Code	Comments	Work Summary	
							Amount	Description
J-532-C/J-419-C	TI-973	3	✓			24" X.375 P@.750" < 3/32"	SEE Travel Hours _____ # Persons _____ Page In Time _____ Out Time _____ #1 Work Hours _____ Standby Hours _____ Total Hours _____ Per Diem _____ # Persons _____ Mileage One Way _____ Round Trip _____ Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Weld _____ in. dia. Film _____ x _____ Type _____ Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification Inspection Specification <u>API 1104</u> Acceptance Standard <u>20TH</u> RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u> View: <u>DWE</u> <u>SWV</u> Source <u>Ir-192</u> Curies <u>74</u> Physical Source Size: <u>106X100</u> Effective Focal Spot: <u>.149</u> Pb Screens: Front <u>.005</u> Center <u>N/A</u> Back <u>.005</u> Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf.: <u>.125</u> SFD: <u>24"</u> Source To Obj.: <u>23.625</u> IQI Essential Wire: <u>013</u> Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg. Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u> Geometric Unsharpness (Ug): <u>.002</u> Avg. Density: <u>2.64</u>	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____ SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____ Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg. Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____ Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____ SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____ Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg. Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____ Geometric Unsharpness (Ug): _____ Avg. Density: _____	

*Signature*

**Defect Code**

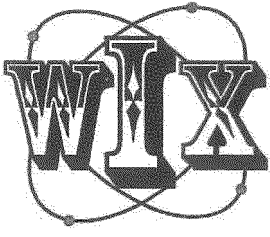
- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. Stephen Vansickle Level II  
 Radiographer  
 2. Gerry Vansickle Level I  
 Radiographer's Assistant



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Jenny Hlyper B172 Date 10/11/13  
 Customer's signature



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Date 10/11/2013 Page 6 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

**Nondestructive Inspection Report**

Piece or Joint #s	Weld Number	Film No.	Acc	Rej	Defect Code	Comments	Work Summary		
							Amount	Description	
J-204/J-532-D	TI-974	3		<input checked="" type="checkbox"/>		24"X.375	SEE	Travel Hours: _____ # Persons _____	
					IUC	IUC@54"-72">2"	Page	In Time _____ Out Time _____	
					IPD	IPD@74.75"-5">3"IN12	#1	Work Hours _____	
					IUC	IUC@24"-32">2"		Standby Hours _____	
								Total Hours _____	
								Per Diem _____ # Persons _____	
								Mileage One Way _____ Round Trip _____	
								Weld _____ in. dia. Weld _____ in. dia.	
								Weld _____ in. dia. Weld _____ in. dia.	
								Weld _____ in. dia. Weld _____ in. dia.	
								Film _____ x Type _____	
								Film _____ x Type _____	
							Technique Date/Procedure Qualification		
							Inspection Specification <u>API 1104</u>		
							Acceptance Standard <u>20TH</u>		
							RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u>		
							View: <u>DWF</u> <u>SWV</u> Source <u>Ir192</u> Curies <u>74</u>		
							Physical Source Size: <u>.106X.100</u> Effective Focal Spot: <u>.149</u>		
							Pb Screens: Front <u>.005</u> Center <u>N/A</u> Back <u>.005</u>		
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf.: <u>.125</u>		
							SFD: <u>24"</u> Source To Obj: <u>23.625</u> IQI Essential Wire: <u>.013</u>		
							Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.		
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>		
							Geometric Unsharpness (Ug): <u>.002</u> Avg. Density: <u>2.64</u>		
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____		
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____		
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.		
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____		
							Geometric Unsharpness (Ug): _____ Avg. Density: _____		
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____		
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____		
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.		
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____		
							Geometric Unsharpness (Ug): _____ Avg. Density: _____		

*Scott Hovis*

**Defect Code**

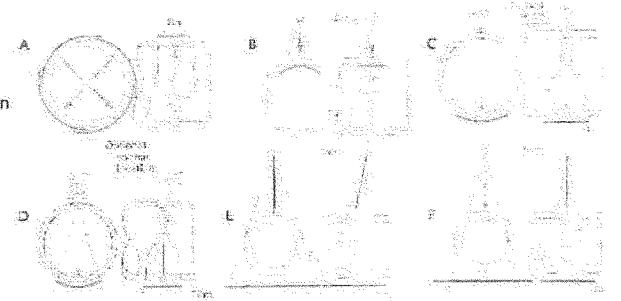
- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

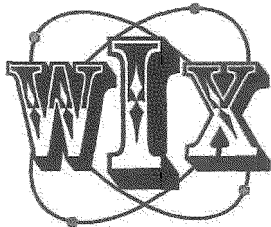
I. \_\_\_\_\_ Level II  
 Radiographer STEPHEN ARBENTER  
Scott Hovis Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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Jerry Dupier B172  
 Customer's Signature

Date 10/11/13





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Date 10/11/2013 Page 7 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film No.	A c c	R e i	Defect Code	Comments	Work Summary	
							Amount	Description
J-532-D/J-210	TI-975	3		<input checked="" type="checkbox"/>		24"X.375	SEE Travel Hours	# Persons
					IUC	IUC@25"-35">2"	Page In Time	Out Time
					IUC	IUC@52"-65">2"	#1 Work Hours	
							Standby Hours	
							Total Hours	
							Per Diem	# Persons
							Mileage One Way	Round Trip
							Weld _____ in. dia.	Weld _____ in. dia.
							Weld _____ in. dia.	Weld _____ in. dia.
							Weld _____ in. dia.	Weld _____ in. dia.
							Film _____ x _____ Type _____	
							Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification	API 1104
							Acceptance Standard	20TH
							RT Procedure No.	7 Shooting Sketch (RSSS) D
							View: DWF SWV	Source Ir-192 Curies 74
							Physical Source Size: 106X.100	Effective Focal Spot: .149
							Pb Screens: Front .005 Center N/A Back .005	
							Dia. 24" Material Type: X60 Thickness: .375 Reinf: .125	
							SFD: 24" Source To Obj: 23.625 IQI Essential Wire: .013	
							Exp. Time: 3 min. 30 sec. Dev. Time: 5 @ 68 deg.	
							Film Manufacturer: Agfa Speed: D-5 No. of Exp. 3 Film 3	
							Geometric Unsharpness (Ug): .002 Avg. Density: 2.64	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

*[Handwritten Signature]*

Defect Code

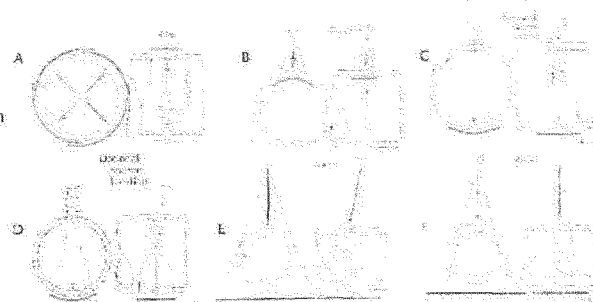
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- CV - Root Concavity
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- PD - Inadequate Penetration Due to High-Low
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- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
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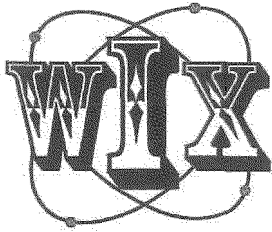
1. [Signature] Level II  
 Radiographer STEPHEN CARPENTER  
 2. [Signature] Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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[Signature] B172  
 Customer's signature

Date 10/11/13





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Date 10/11/2013 Page 8 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film No.	A c c	R e j	Defect Code	Comments	Work Summary	
							Amount	Description
J-533-B/J-522-B	TI-976	3	✓			24"X.375 EUC@37"-38.5"X2"	SEE Travel Hours _____ # Persons _____ Page In Time _____ Out Time _____ # Work Hours _____ Standby Hours _____ Total Hours _____ Per Diem _____ # Persons _____ Mileage One Way _____ Round Trip _____ Weld _____ in. dia. _____ Weld _____ in. dia. Weld _____ in. dia. _____ Weld _____ in. dia. Weld _____ in. dia. _____ Weld _____ in. dia. Film _____ x _____ Type _____ Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification Inspection Specification <u>API 1104</u> Acceptance Standard <u>20TH</u> RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u> View: <u>DWF, SWV</u> Source <u>Ir-192</u> Curies <u>74</u> Physical Source Size: <u>106X100</u> Effective Focal Spot: <u>149</u> Pb Screens: Front <u>.005</u> Center <u>N/A</u> Back <u>.005</u> Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf: <u>.125</u> SFD: <u>24"</u> Source To Obj: <u>23.625</u> IQI Essential Wire: <u>.013</u> Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg. Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u> Geometric Unsharpness (Ug): <u>.002</u> Avg. Density: <u>2.64</u>	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____ SFD: _____ Source To Obj: _____ IQI Essential Wire: _____ Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg. Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____ Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____ SFD: _____ Source To Obj: _____ IQI Essential Wire: _____ Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg. Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____ Geometric Unsharpness (Ug): _____ Avg. Density: _____	

*[Handwritten Signature]*

Defect Code

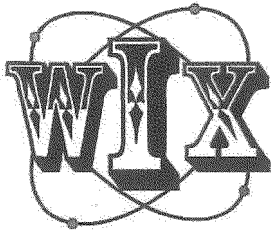
- BT - Burn Through
- ICP - Inadequate Cross Penetration
- P - Porosity
- C - Crack
- IF - Incomplete Fusion
- SL - Slag Lines
- CV - Root Concavity
- IP - Incomplete Penetration
- SI - Slag Inclusions
- CX - Root Convexity
- PD - Inadequate Penetration Due to High-Low
- UC - Undercut
- DT - Drop Through
- OX - Oxidation
- TI - Tungsten Inclusion

1. [Signature] Level II  
 Radiographer STEPHEN C BRENTER  
 2. [Signature] Level I  
 Radiographer's Assistant GERRIT VANSICKLE

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Jenny Hupis B172 Date 10/11/13  
 Customer's Signature



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 www.wixinc.net

Date 10/11/2013 Page 9 Of 9  
 Radiographic Report or Control # RIG-D  
 Customer PGE  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD, CA LINE 114  
 Job Number 41878790  
 Item Description 24" GIRTH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film No.	A c c	R e j	Defect Code	Comments	Work Summary		
							Amount	Description	
J-522-B/J-61-B	TI-977	3	✓			24"X.375	SEE	Travel Hours _____ # Persons _____	
					P	P@35"<3/32"	Page	In Time _____ Out Time _____	
					IPD	IPD-27.37"-28.62"<2"	#I	Work Hours _____	
					P	P@.875"<3/32"		Standby Hours _____	
								Total Hours _____	
								Per Diem _____ # Persons _____	
								Mileage One Way _____ Round Trip _____	
								Weld _____ in. dia. Weld _____ in. dia.	
								Weld _____ in. dia. Weld _____ in. dia.	
								Weld _____ in. dia. Weld _____ in. dia.	
								Film _____ x _____ Type _____	
								Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification		
							Inspection Specification <u>API 1104</u>		
							Acceptance Standard <u>20TH</u>		
							RT Procedure No. <u>7</u> Shooting Sketch (RSSS) <u>D</u>		
							View: <u>DWF</u> <u>SWV</u> Source <u>Jr192</u> Curies <u>74</u>		
							Physical Source Size: <u>106X100</u> Effective Focal Spot: <u>149</u>		
							Pb Screens: Front <u>005</u> Center <u>N/A</u> Back <u>005</u>		
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>375</u> Reinf: <u>125</u>		
							SFD: <u>24"</u> Source To Obj: <u>23.625</u> IQI Essential Wire: <u>013</u>		
							Exp. Time: <u>3</u> min. <u>30</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.		
							Film Manufacturer: <u>Agfa</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>		
							Geometric Unsharpness (Ug): <u>002</u> Avg. Density: <u>2.64</u>		
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____		
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____		
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.		
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____		
							Geometric Unsharpness (Ug): _____ Avg. Density: _____		
							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____		
							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____		
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.		
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____		
							Geometric Unsharpness (Ug): _____ Avg. Density: _____		

*Stephen Carpenter*

Defect Code

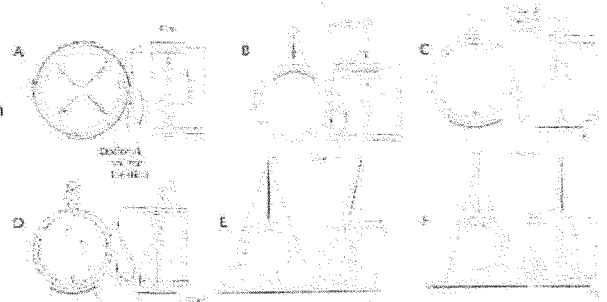
- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- IPD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

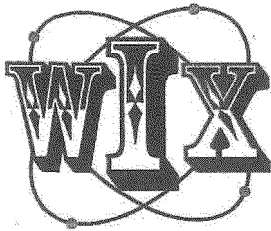
1. Stephen Carpenter Level II  
 Radiographer  
 2. Gerrit Vansickle Level I  
 Radiographer's Assistant

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Jerry Hoyer B172  
 Customer's Signature

Date 10/11/13





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Date 10/14/2013 Page 1 Of 2  
 Radiographic Report or Control # #1 RIG-E  
 Customer PG&E  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD CA  
 Job Number 41878790 LINE 114  
 Item Description 24' GRITH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film No.	A c c	R e j	Defect Code	Comments	Work Summary	
							Amount	Description
JT-204 TO JT-532E.	TI-978	3	✓			24"X.375	<u>2</u> Travel Hours	<u>2</u> # Persons
							<u>3:00</u> In Time	<u>7:00</u> Out Time
							<u>4</u> Work Hours	
							<u>0</u> Standby Hours	
							<u>6</u> Total Hours	
							<u>NA</u> Per Diem	<u>NA</u> # Persons
							<u>100</u> Mileage One Way	<input checked="" type="checkbox"/> Round Trip
							<u>1</u> Weld <u>24"</u> in. dia.	Weld _____ in. dia.
							Weld _____ in. dia.	Weld _____ in. dia.
							Weld _____ in. dia.	Weld _____ in. dia.
							Film _____ x _____ Type _____	
							Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification	<u>API 1104</u>
							Acceptance Standard	<u>20 TH</u>
							RT Procedure No. <u>RT-7</u>	Shooting Sketch (RSSS) <u>D</u>
							View: <u>DWE</u> <u>SWV</u>	Source <u>I-192</u> Curies <u>45</u>
							Physical Source Size: <u>106X100</u>	Effective Focal Spot: <u>146</u>
							Pb Screens: Front <u>.005</u> Center <u>FILM</u> Back <u>.005</u>	
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf.: <u>.125</u>	
							SFD: <u>24</u> Source To Obj.: <u>23.625</u> IQI Essential Wire: <u>.013</u>	
							Exp. Time: <u>4</u> min. <u>40</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.	
							Film Manufacturer: <u>AGFA</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>.003</u> Avg. Density: <u>2.3615</u>	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____	
							SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	
							Dia. _____ Material Type: _____ Thickness: _____ Reinf.: _____	
							SFD: _____ Source To Obj.: _____ IQI Essential Wire: _____	
							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

*Scott Morris*  
 Scott Morris  
 RTS NDE Level III  
 10-14-13

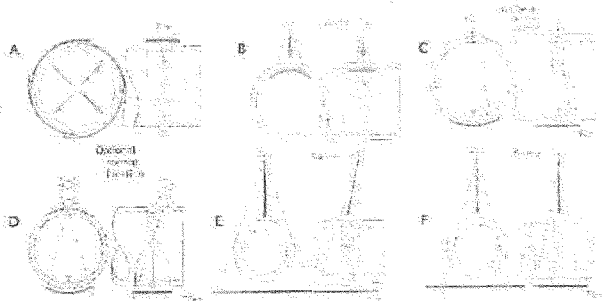
Defect Code

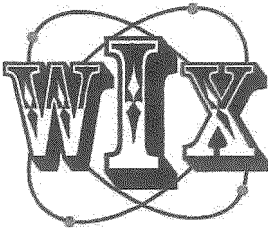
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- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. *Ken Carpenter* Level II  
 Radiographer KEN CARPENTER  
 2. *Thomas Fukuda* Level I  
 Radiographer's Assistant THOMAS FUKUDA

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*Jerry Blipes* B172  
 Customer's Signature  
 Date 10/14/13





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Date 10/14/2013 Page 2 Of 2  
 Radiographic Report or Control # #2 RIG-E  
 Customer PG&E  
 Address \_\_\_\_\_  
 Customer's P.O. Number \_\_\_\_\_  
 Job Location BRENTWOOD CA  
 Job Number 41878790 LINE 114  
 Item Description 24" GRITH WELDS  
 100% Insp.  Spot Insp. \_\_\_\_\_ Percent \_\_\_\_\_

Nondestructive Inspection Report

Piece or Joint #s	Weld Number	Film No.	Acc	Rei	Defect Code	Comments	Work Summary	
							Amount	Description
JT-532E TO JT-210	TI-979	3	✓			24"X.375	_____ Travel Hours	_____ # Persons
							_____ In Time	_____ Out Time
							_____ Work Hours	
							_____ Standby Hours	
							_____ Total Hours	
							_____ Per Diem	_____ # Persons
							Mileage One Way _____ Round Trip _____	
							Weld <u>24"</u> in. dia. _____ Weld _____ in. dia.	
							Weld _____ in. dia. _____ Weld _____ in. dia.	
							Weld _____ in. dia. _____ Weld _____ in. dia.	
							Film _____ x _____ Type _____	
							Film _____ x _____ Type _____	
							Technique Date/Procedure Qualification	
							Inspection Specification _____	API 1104
							Acceptance Standard _____	20 TH
							RT Procedure No. <u>RT-7</u> Shooting Sketch (RSSS) _____	D
							View: <u>DWE</u> <u>SWV</u> Source <u>Ir192</u> Curies <u>45</u>	
							Physical Source Size: <u>106X100</u> Effective Focal Spot: <u>146</u>	
							Pb Screens: Front <u>.005</u> Center <u>FILM</u> Back <u>.005</u>	
							Dia. <u>24"</u> Material Type: <u>X60</u> Thickness: <u>.375</u> Reinf: <u>.125</u>	
							SFD: <u>24</u> Source To Obj: <u>23.625</u> IQI Essential Wire: <u>013</u>	
							Exp. Time: <u>4</u> min. <u>40</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.	
							Film Manufacturer: <u>AGFA</u> Speed: <u>D-5</u> No. of Exp. <u>3</u> Film <u>3</u>	
							Geometric Unsharpness (Ug): <u>.003</u> Avg. Density: <u>2.36 KC</u>	
SEE PAGE							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
ONE FOR							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
HOURS AND							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
TRAVEL							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
<i>Scott Morris</i>							Geometric Unsharpness (Ug): _____ Avg. Density: _____	
<i>Scott Morris</i>							Dia. _____ Material Type: _____ Thickness: _____ Reinf: _____	
<i>ATS NDE Level III</i>							SFD: _____ Source To Obj: _____ IQI Essential Wire: _____	
<i>10-14-13</i>							Exp. Time: _____ min. _____ sec. Dev. Time: _____ @ _____ deg.	
							Film Manufacturer: _____ Speed: _____ No. of Exp. _____ Film _____	
							Geometric Unsharpness (Ug): _____ Avg. Density: _____	

Defect Code

- BT - Burn Through
- C - Crack
- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
- ICP - Inadequate Cross Penetration
- IF - Incomplete Fusion
- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High-Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
- TI - Tungsten Inclusion

1. *[Signature]* Level II  
 Radiographer **KEN CARPENTIER**

2. *[Signature]* Level I  
 Radiographer's Assistant **THOMAS FUKUDA**

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*[Signature]* **Jerry Blysis B172** Date 10/14/13  
 Customer's Signature

