



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 10/16/2013 Page 1 Of 7
 Radiographic Report or Control # RIG-D
 Customer PGE
 Address _____
 Customer's P.O. Number _____
 Job Location BRENTWOOD CA LINE 114
 Job Number 30943472
 Item Description 8"16"/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
PAGE #1							1.5	Travel Hours
FOR BILLING							2	# Persons
ONLY							1030	In Time
SEE PAGE#2							2030	Out Time
THRU#7 FOR							10	Work Hours
WELD INFO							0	Standby Hours
							11.5	Total Hours
							NO	Per Diem
							50	Mileage One Way
							3	Round Trip
							1	Weld 8" in. dia.
							3	Weld 24" in. dia.
							1	Weld 16" in. dia.
								Weld _____ in. dia.
							1	Weld 22" in. dia.
								Weld _____ in. dia.
								Film _____ x _____ Type _____
								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
 PGE AT'S NDE Lvl III
 10-16-13

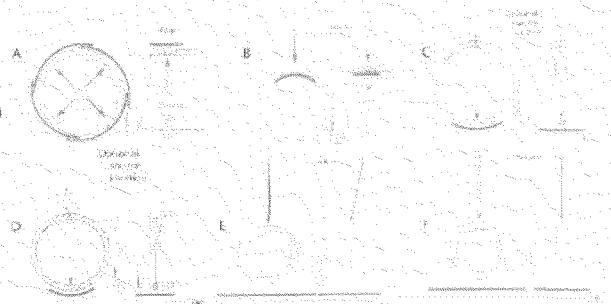
Defect Code

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

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Jerry Olysis B172 Date 10/16/13
 Customer Signature





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Date 10/16/2013 Page 2 Of 7
 Radiographic Report or Control # RIG-D
 Customer PGE
 Address _____
 Customer's P.O. Number _____
 Job Location BRENTWOOD CA LINE 114
 Job Number 30943472
 Item Description 8"116"/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-532B/JT-532	TI-982	3	✓			24"X375	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>Ir192</u> Curies <u>100</u>
								Physical Source Size: <u>106X114</u> Effective Focal Spot: <u>156</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>2362</u> IQI Essential Wire: <u>013</u>
								Exp. Time: <u>2</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>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: _____
								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
 PGE AT&S NOE L1111
 10-16-13

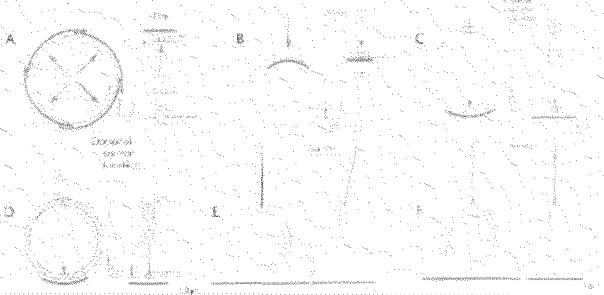
Defect Code

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- 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 EPHREM CARPENTER
 2. *[Signature]* Level I
 Radiographer's Assistant GERRIT VANSICKLE

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Jerry Phipps B172 Date 10/16/13
 Customer's Signature





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Date 10/16/2013 Page 3 Of 7
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 Job Location BRENTWOOD CA LINE 114
 Job Number 30943472
 Item Description 8"/16"/22"/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
EXTL-114/JT-537A	TI-983	3	✓			22"X.375	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>Ir192</u> Curies <u>100</u>
								Physical Source Size: <u>106X114</u> Effective Focal Spot: <u>156</u>
								Pb Screens: Front <u>005</u> Center <u>N/A</u> Back <u>005</u>
								Dia. <u>22"</u> Material Type: <u>X60</u> Thickness: <u>375</u> Reinf.: <u>125</u>
								SFD: <u>22"</u> Source To Obj.: <u>21.62</u> IQI Essential Wire: <u>013</u>
								Exp. Time: <u>2</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>3</u> Film <u>3</u>
								Geometric Unsharpness (Ug): <u>004</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: _____
								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
 PGE AT&S NDE L1 III
 10-16-13

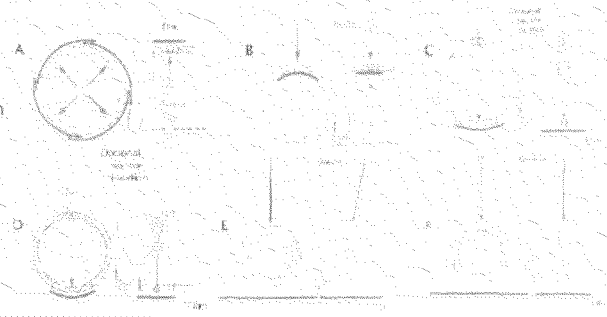
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- CX - Root Convexity
- DT - Drop Through
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- IP - Incomplete Penetration
- PD - Inadequate Penetration Due to High/Low
- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC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

1. *Stephen GARDNER* Level II
 Radiographer STEPHEN GARDNER
 2. *Gerrit Vansickle* Level I
 Radiographer's Assistant GERRIT VANSICKLE

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Jenny Plyses B172 Date 10/16/13
 Customer's Signature





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Date 10/16/2013 Page 4 Of 7
 Radiographic Report or Control # RIG-D
 Customer PGE
 Address _____
 Customer's P.O. Number _____
 Job Location BRENTWOOD CA LINE 114
 Job Number 30943472
 Item Description 8"/16"/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 L-316/JT-28	TI-984	3	✓			16"X.250-312	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 _____ API 1104
								Acceptance Standard _____ 20TH
								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>100</u>
								Physical Source Size: <u>106X.114</u> Effective Focal Spot: <u>156</u>
								Pb Screens: Front <u>.005</u> Center <u>N/A</u> Back <u>.005</u>
								Dia. <u>16"</u> Material Type: <u>X60</u> Thickness: <u>312</u> Reinf: <u>125</u>
								SFD: <u>16"</u> Source To Obj.: <u>15.68"</u> IQI Essential Wire: <u>013</u>
								Exp. Time: <u>0</u> min. <u>55</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>.005</u> Avg. Density: <u>2.9</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
 PGE ATS NDE L1/III
 10.16.13

Defect Code

- BT - Burn Through
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- 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 Carpenter* Level II
 Radiographer: **STEPHEN CARPENTER**
 2. *Gerrit Vansickle* Level I
 Radiographer's Assistant: **GERRIT VANSICKLE**

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Jerry Hayes B172 Date 10/16/13
 Customer's Signature



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Date 10/16/2013 Page 5 Of 7
 Radiographic Report or Control # RIG-D
 Customer PGE
 Address _____
 Customer's P.O. Number _____
 Job Location BRENTWOOD CA LINE 114
 Job Number 30943472
 Item Description 8"/16"/22"/24" GIRTH 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-34D/JT-34A	TI-985	3	✓			8"X.322	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>I-192</u> Curies <u>100</u>
								Physical Source Size: <u>106X.114</u> Effective Focal Spot: <u>156</u>
								Pb Screens: Front <u>005</u> Center <u>N/A</u> Back <u>005</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>34</u> sec. Dev. Time: <u>5</u> @ <u>68</u> deg.
								Film Manufacturer: <u>Agfa</u> Speed: <u>D-4</u> No. of Exp. <u>3</u> Film <u>3</u>
								Geometric Unsharpness (Ug): <u>008</u> Avg. Density: <u>3.11</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
 PGE AT&S NDE Lvl III
 10.16.13

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1. *Stephen Carpenter* Level II
 Radiographer **STEPHEN CARPENTER**
 2. *Gerrit Vansickle* Level I
 Radiographer's Assistant **GERRIT VANSICKLE**

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Jerry Blyes BI 72 Date 10/16/13
 Customer's Signature





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 Job Location BRENTWOOD CA LINE 114
 Job Number 30943472
 Item Description 8"1/16"/22"/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
JT-516C/JT-515A	TI-980	3	✓			24"X.375	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>100</u> Physical Source Size: <u>106X114</u> Effective Focal Spot: <u>156</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>24.62"</u> IQI Essential Wire: <u>.013</u> Exp. Time: <u>2</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>.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: _____	
							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
 PGE ATS NDE L1 III
 10.16.13

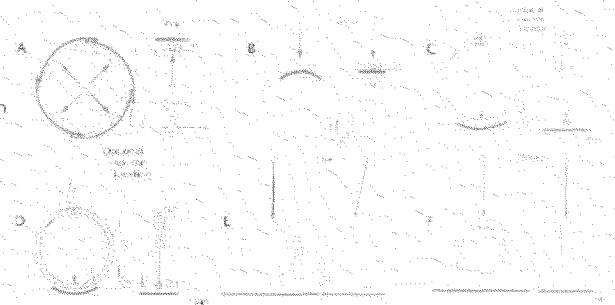
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- CV - Root Concavity
- CX - Root Convexity
- DT - Drop Through
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- Ox - Oxidation
- P - Porosity
- SL - Slag Lines
- SI - Slag Inclusions
- UC - Undercut
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1. STEPHEN C. SPENTER Level II
 Radiographer
 2. GERRIT VANSICKLE Level I
 Radiographer's Assistant

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 Item Description 8"116"/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-510/EXT L-114	TI-981	3	✓			24"X-500	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>Ir192</u> Curies <u>100</u>
								Physical Source Size: <u>106X114</u> Effective Focal Spot: <u>156</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>500</u> Reinf.: <u>125</u>
								SFD: <u>24"</u> Source To Obj.: <u>24.5"</u> IQI Essential Wire: <u>016</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>004</u> Avg. Density: <u>2.7</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
 PGE ATS MDE L1111
 10-16-13

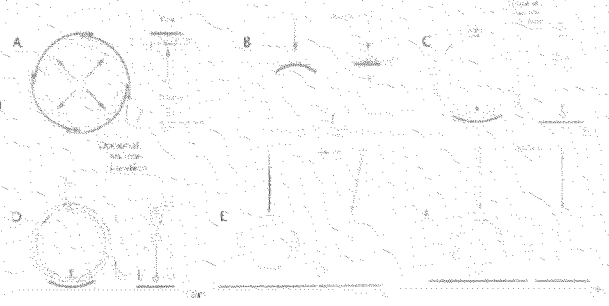
Defect Code

- 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. Radiographer: STEPHEN CARPENTER Level II
 2. Radiographer's Assistant: GERRIT VANSICKLE Level I

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.

Jerry Hayes B172 Customer's Signature Date 10/16/13



1.2.4 Quality Control Level I - Daily Field Weld Summary Report



DAILY FIELD WELD SUMMARY REPORT

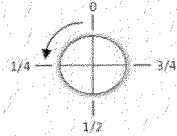
For welds on pipelines operating greater than 60 psi

Date: 10/16/2013-1

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

Project: R134 L-114, Pipe Replacement, Order# - 30943472	Location: Brentwood, MP 12.70 to 16.57
Welding Organization: PG&E/Snelson	NDE Contractor: (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

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)		<table border="1" style="font-size: 8px; width: 100%; border-collapse: collapse;"> <tr> <td>Joint Cleaning</td> <td>Bowl Cond. & Fit up</td> <td>Preheat & Interpass Temperature</td> <td>Electrode Type</td> <td>Time Between Passes</td> <td>Electrical Characteristics: DCEP/DCEN & D/AC</td> <td>Voltage & Amperage Range</td> <td>Travel Speed & Direction</td> <td>Visual weld Defects</td> <td>Visual Defects, Repaired</td> <td>Released for NDT (Y or NA)</td> <td>NDT Results</td> <td>NDT Repaired (if Rejected)</td> <td>Soap Test*</td> </tr> </table>														Joint Cleaning	Bowl Cond. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics: DCEP/DCEN & D/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)
				Joint Cleaning	Bowl Cond. & Fit up	Preheat & Interpass Temperature	Electrode Type	Time Between Passes	Electrical Characteristics: DCEP/DCEN & D/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*																			
jt.516C to jt.515A	TJ-980	24.00/.375/X-60 24.00/.375/X-60	262Sc-G	BCGB	MIMS	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test															
Multiple Repair Procedure Number (If used)								NA																												
jt.510 to jt.L-114 Existing	TJ-981	24.00/.500/X-60 24.00/.500/X-60	232Sc-G	EISP	KBSA	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test															
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:

Total Welds Rejected:

Inspector ID: **A900**

Company: **Canus**

Signature:

Inspector qualified by:

OQ <input checked="" type="checkbox"/> Exp. Date: <u>9/1/2017</u> CWI <input type="checkbox"/> Cert. # _____	Experience <input type="checkbox"/> CPWI <input checked="" type="checkbox"/> Cert. # <u>63725242</u>
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_0067049

1.2.4 Quality Control Level I - Daily Field Weld Summary Report



DAILY FIELD WELD SUMMARY REPORT

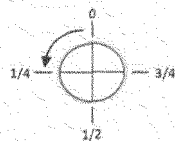
For welds on pipelines operating greater than 60 psi

Date: 10/16/2013-2

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

Project: R134 L-114, Pipe Replacement, Order# - 30943472	Location: Brentwood, MP 12.70 to 16.57
Welding Organization: PG&E/Snelson	NDE Contractor: (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

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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#) (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/EP/DCEN & DC/AC	Voltage & Amperage Range	Travel Speed & Direction	Visual weld Defects	Visual Defects Repaired	Released for NDT [Y or NA]	NDT Results	NOT Repaired [if Rejected]	Soap Test*	Remarks Record all weld defect codes with welder ID (See Note C)																					
				Welder 1	Welder 2	R, H	R, H																Welder 1	Welder 2	A	A																	
Jt. 532B to Jt. 532	TI-982	24.00/.375/X-60	232Sc-G	A835	D2BE	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																					
L-114 Existing to Jt. 537A	TI-983	22.00/.375/X-42	332Sc-G	JSDQ	E1M8	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																					
L-316 Existing to Jt. 28	TI-984	16.00/.250/X-52	232Sc-G	TXBY	R1T5	A	A	A	A	A	A	A	A	A	A	A	NA	Y	A	NA	A	Soap Test																					
		16.00/.375/X-52		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. 34D to Jt. 34A	TI-985	8.625/.322/Gr. B	122Sc-G	KRP9	TXBY	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		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: 4

Total Welds Rejected: 0

Inspector ID: B-172

Company: Canus

Signature: *Tommy Blaylock*

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

Qualification by Experience or CPWI is for NEW construction ONLY.