

CN

WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Cody Nicholson Clock No. \_\_\_\_\_ Stamp No. CN  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 0800 to 1000, 2 Hours - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.322" / 8.625" OD  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (6.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure \_\_\_\_\_ X Qualifying test \_\_\_\_\_ X Qualified \_\_\_\_\_  
 X Welder \_\_\_\_\_ Line test \_\_\_\_\_ Disqualified \_\_\_\_\_  
 Maximum Tensile n/a Minimum tensile n/a Average Tensile n/a

Remarks on tensile-strength test:

- n/a
- 
- 
- 

Remarks on bend test:

- Face Bend - Satisfactory
- Root Bend - Satisfactory
- Face Bend - Satisfactory
- Root Bend - Satisfactory

Remarks on nick-break test:

- Nick-break - Satisfactory
- Nick-break - Satisfactory
- Nick-break - Satisfactory
- Nick-break - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Brett Jeannotte - Chippewa Resources, QA Date November 7, 2013

Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by \_\_\_\_\_

*[Signature]*  
 LARRY R. EWER  
 87122901  
 CWI

**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

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 Attn: Harold Rhodes  
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 Stanley, ND 58784

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ETI PROJECT NO: 13-700  
 Welding Cont: Summit Midstream LP

Welder Name Cody Nicholson Clock No. \_\_\_\_\_ Stamp No. CN  
 Type of Welder Welder Performance Certification  
 Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly Clear  
 Time of Day/Welding Time: 1000 to 1230, 2 1/2 Hours - includes cutting & filing

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Branch Weld nipple down  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.322" / 8.625" to 6.625" OD  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled				
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

Qualifying test  
 Line test  
 Minimum tensile n/a

Qualified  
 Disqualified  
 Average Tensile n/a

**Remarks on tensile-strength test:**

- n/a
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Remarks on bend test:**

- n/a
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

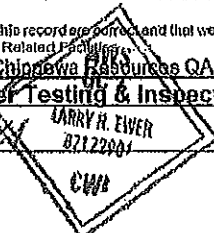
**Remarks on nick-break test:**

- Nick-break - 1 Throat - Satisfactory
- Nick-break - 2 Face - Satisfactory
- Nick-break - 3 Throat - Satisfactory
- Nick-break - 4 Face - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 6.8 of API Standard 1104 Tenth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Brett Jeannotte - Chiodawa Resources QA Date November 7, 2013

Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
1101 Fourth Street SE, Suite 201  
Stanley, ND 58784

DATE: November 13, 2013  
 ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Cody Nicholson Clock No. \_\_\_\_\_ Stamp No. CN  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-2 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 1230 to 1300, 1/2 Hour - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.145" / 1.900" OD  
 Qualified Thickness/Outside Diameter Range: Less than 0.188" / under 2.375" OD

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

Qualifying test  
 Line test  
 Minimum tensile n/a

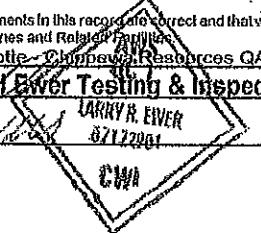
Qualified  
 Disqualified  
 Average Tensile n/a

Remarks on tensile-strength test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on bend test:  
 1. Root Bend - Satisfactory  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on nick-break test:  
 1. Nick-break - Satisfactory  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.0 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.  
 Test Witnessed by Brett Jeannotte - Chippewa Resources QA Date November 7, 2013  
 Weld Tests Performed by ETI Ever Testing & Inspection Inc ETI Project No. 13-700  
 by [Signature]



WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

*CW*

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: November 13, 2013  
 ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Cody Wright Clock No. \_\_\_\_\_ Stamp No. CW  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 0800 to 1000, 2 Hours - includes cutting & filing

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.322" / 8.625" OD  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

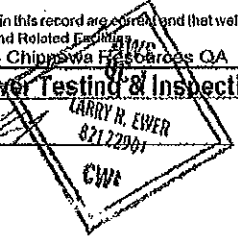
Procedure \_\_\_\_\_  Qualifying test \_\_\_\_\_  Qualified  
 Welder \_\_\_\_\_ Line test \_\_\_\_\_  Disqualified  
 Maximum Tensile n/a Minimum tensile n/a Average Tensile n/a

Remarks on tensile-strength test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on bend test:  
 1. Face Bend - Satisfactory  
 2. Root Bend - Satisfactory  
 3. Face Bend - Satisfactory  
 4. Root Bend - Satisfactory

Remarks on nick-break test:  
 1. Nick-break - Satisfactory  
 2. Nick-break - Satisfactory  
 3. Nick-break - Satisfactory  
 4. Nick-break - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.9 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities  
 Test Witnessed by Brett Jeannotte - Chippewa Falls Cores QA Date November 7, 2013  
 Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
1101 Fourth Street SE, Suite 201  
Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700  
 Welding Cont: Summit Midstream LP

Welder Name Cody Wright Clock No. \_\_\_\_\_ Stamp No. CW  
 Type of Welder Welder Performance Certification  
 Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly Clear  
 Time of Day/Welding Time: 1000 to 1230, 2½ Hours - includes capping & fitting

Voltage/Amperage: 22 to 28 volts / .80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Branch Weld nipple down  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010/1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.322" / 8.625" to 6.625" OD  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled				
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure X Welder X Qualifying test X Qualified  
 Maximum Tensile n/a Line test Minimum tensile n/a Disqualified  
 Average Tensile n/a

**Remarks on tensile-strength test:**

- n/a
- 
- 
- 

**Remarks on bend test:**

- n/a
- 
- 
- 

**Remarks on nick-break test:**

- Nick-break - 1 Throat - Satisfactory
- Nick-break - 2 Face - Satisfactory
- Nick-break - 3 Throat - Satisfactory
- Nick-break - 4 Face - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.9 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Brett Jeannotte - Chippewa Resources QA Date November 7, 2013

Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: **Summit Midstream LP**  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: **November 13, 2013**

ETI PROJECT NO: **13-700**  
 Welding Cont: **Summit Midstream LP**

Welder Name Cody Wright Clock No. \_\_\_\_\_ Stamp No. CW  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-2 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 1230 to 1300, 1/2 Hour - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.145" / 1.900" OD  
 Qualified Thickness/Outside Diameter Range: Less than 0.188" / under 2.375" OD

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

Qualifying test  
 Line test  
 Minimum tensile n/a

Qualified  
 Disqualified  
 Average Tensile n/a

Remarks on tensile-strength test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on bend test:  
 1. Root Bend - Satisfactory  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on nick-break test:  
 1. Nick-break - Satisfactory  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 6.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.  
 Test Witnessed by Brett Jeannotte - Chippenwold Resources CA Date November 7, 2013  
 Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  
  
**LARRY R. EWER**  
 821-22901  
 CW

JM

WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: Summit Midstream LP  
Attn: Harold Rhodes  
1101 Fourth Street SE, Suite 201  
Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700  
Welding Contr: Summit Midstream LP

Welder Name Jason Mellinger Clock No. \_\_\_\_\_ Stamp No. JM  
Type of Welder Welding Performance Certification  
Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
Mean Temperature: 26° to 35° F  
Weather Conditions: Mostly clear & Sunny  
Time of Day/Welding Time: 0800 to 1000, 2 Hours - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
Welding Machine Type/Size: Lincoln SA 200  
Weld Type/Position: Butt Weld / 6G - 45° fixed  
Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
Pipe Type and Grade: ASTM A106 Grade B, API 5L  
Wall Thickness/Outside Diameter: 0.322" / 8.625" OD  
Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure \_\_\_\_\_  Qualifying test  
 Welder \_\_\_\_\_ Line test  
Maximum Tensile n/a Minimum tensile n/a  Qualified  
Average Tensile n/a \_\_\_\_\_ Disqualified

Remarks on tensile-strength test:

- n/a
- 
- 
- 

Remarks on bend test:

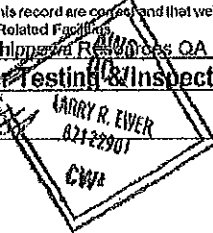
- Face Bend - Satisfactory
- Root Bend - Satisfactory
- Face Bend - Satisfactory
- Root Bend - Satisfactory

Remarks on nick-break test:

- Nick-break - Satisfactory
- Nick-break - Satisfactory
- Nick-break - Satisfactory
- Nick-break - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.0 & 5.0 of API Standard 1104 Twentieth Edition, November 2006 Welding of Pipelines and Related Facilities

Test Witnessed by Brett Jeannotte - Chippewa Resources QA Date November 7, 2013  
Weld Tests Performed by ETI-Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Jason Mellinger Clock No. \_\_\_\_\_ Stamp No. JM  
 Type of Welder Welder Performance Certification  
 Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly Clear  
 Time of Day/Welding Time: 1000 to 1230, 2 1/2 Hours - Includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Branch Weld nipple down  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010/1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.322" / 8.625" to 6.625" OD  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled				
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

Qualifying test  
 Line test  
 Minimum tensile n/a

Qualified  
 Disqualified  
 Average Tensile n/a

**Remarks on tensile-strength test:**

- n/a
- 
- 
- 

**Remarks on bend test:**

- n/a
- 
- 
- 

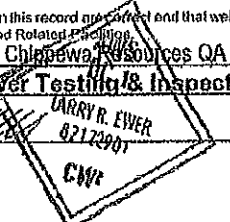
**Remarks on nick-break test:**

- Nick-break - 1 Throat - Satisfactory
- Nick-break - 2 Face - Satisfactory
- Nick-break - 3 Throat - Satisfactory
- Nick-break - 4 Face - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Working of Pipelines and Related Facilities.

Test Witnessed by Brett Jeannotte - Chippewa Resources QA Date November 7, 2013

Weld Tests Performed by ETI Ever Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Jason Mellinger Clock No. \_\_\_\_\_ Stamp No. JM  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-2 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 1230 to 1300, 1/2 Hour - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.145" / 1.900" OD  
 Qualified Thickness/Outside Diameter Range: Less than 0.188" / under 2.375" OD

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (6.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

Qualifying test  
 Line test  
 Minimum tensile n/a

Qualified  
 Disqualified  
 Average Tensile n/a

**Remarks on tensile-strength test:**

- n/a
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Remarks on bend test:**

- Root Bend - Satisfactory
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

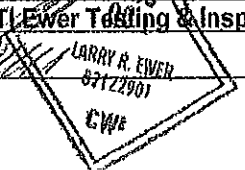
**Remarks on nick-break test:**

- Nick-break - Satisfactory
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Brett Jeannotte - Chief QA/ Resources QA Date November 7, 2013

Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


KH

WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: Summit Midstream LP
Attn: Harold Rhodes
1101 Fourth Street SE, Suite 201
Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700
Welding Contr: Summit Midstream LP

Welder Name: Kevin Heer
Type of Welder: Welding Performance Certification
Welding Procedure Specification No.: WP-1
Date: September 9, 2013

Process Type: SMAW - Manual without backing
Mean Temperature: 25° to 35° F
Weather Conditions: Mostly clear & Sunny
Time of Day/Welding Time: 0800 to 1000, 2 Hours - includes cutting & fitting
Voltage/Amperage: 22 to 28 volts / 80 to 150 amps
Welding Machine Type/Size: Lincoln SA 200
Weld Type/Position: Butt Weld / 6G - 45° fixed
Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1
Reinforcement Size/Welding Direction: up to 1/8" / Downhill
Pipe Type and Grade: ASTM A106 Grade B, API 5L
Wall Thickness/Outside Diameter: 0.322" / 8.625" OD
Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

Table with 5 columns: Test Name, 1, 2, 3, 4. Rows include: VISUAL INSPECTION (6.4) Acceptable YES or NO Yes, TENSILE TESTS (5.6.2), Coupon stenciled (Not performed), Original specimen dimensions (in.), Original specimen area (in.), Maximum load (lbs), Tensile Strength (psi), Fracture location.

Procedure: [ ]
Welder: [X]
Maximum Tensile: n/a
Qualifying test: [X]
Line test: [ ]
Minimum tensile: n/a
Qualified: [X]
Disqualified: [ ]
Average Tensile: n/a

Remarks on tensile-strength test:
1. n/a
2.
3.
4.

Remarks on bend test:
1. Face Bend - Satisfactory
2. Root Bend - Satisfactory
3. Face Bend - Satisfactory
4. Root Bend - Satisfactory

Remarks on nick-break test:
1. Nick-break - Satisfactory
2. Nick-break - Satisfactory
3. Nick-break - Satisfactory
4. Nick-break - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Brett Jeannotte - Chipewaut Resources QA Date November 7, 2013
Weld Tests Performed by ETI Welding & Inspection Inc. ETI Project No. 13-700

by [Signature]
DORV R. EWER
201122001
CWE

**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: **Summit Midstream LP**  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: **November 13, 2013**

ETI PROJECT NO: **13-700**  
 Welding Contr: **Summit Midstream LP**

Welder Name Kevin Heer Clock No. \_\_\_\_\_ Stamp No. KH  
 Type of Welder Welder Performance Certification  
 Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly Clear  
 Time of Day/Welding Time: 1000 to 1230, 2½ Hours - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Branch Weld nipple down  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010/1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.322" / 8.625" to 6.625" OD  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled				
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  Qualifying test  Qualified  
 Welder  Line test  Disqualified  
 Maximum Tensile n/a Minimum tensile n/a Average Tensile n/a

Remarks on tensile-strength test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on bend test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on nick-break test:  
 1. Nick-break - 1 Throat - Satisfactory  
 2. Nick-break - 2 Face - Satisfactory  
 3. Nick-break - 3 Throat - Satisfactory  
 4. Nick-break - 4 Face - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Brett Jeannotte - Operations Resources QA Date November 7, 2013  
 Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
1101 Fourth Street SE, Suite 201  
Stanley, ND 58784

DATE: November 13, 2013  
 ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Kevin Heer Clock No. \_\_\_\_\_ Stamp No. KH  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-2 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 1230 to 1300, 1/2 Hour - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.145" / 1.900" OD  
 Qualified Thickness/Outside Diameter Range: Less than 0.188" / under 2.375" OD

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (6.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

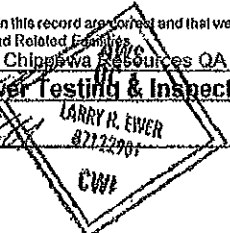
Qualifying test  
 Line test  
 Minimum tensile n/a

Qualified  
 Disqualified  
 Average Tensile n/a

Remarks on tensile-strength test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on bend test:  
 1. Root Bend - Satisfactory  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on nick-break test:  
 1. Nick-break - Satisfactory  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.  
 Test Witnessed by Brett Jeannotte - Chippewa Resources QA Date November 7, 2013  
 Weld Tests Performed by ETI Ever Testing & Inspection Inc ETI Project No. 13-700  
 by [Signature]  


JG

WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Juan Garza Clock No. \_\_\_\_\_ Stamp No. JG  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-1 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 0800 to 1000, 2 Hours - includes cutting & fitting

Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010 /1

Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.322" / 8.625" OD  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure \_\_\_\_\_  Qualifying test  
 Welder \_\_\_\_\_ Line test  
 Maximum Tensile n/a Minimum tensile n/a  Qualified  
 \_\_\_\_\_ Disqualified  
 Average Tensile n/a

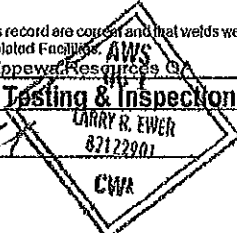
Remarks on tensile-strength test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on bend test:  
 1. Face Bend - Satisfactory  
 2. Root Bend - Satisfactory  
 3. Face Bend - Satisfactory  
 4. Root Bend - Satisfactory

Remarks on nick-break test:  
 1. Nick-break - Satisfactory  
 2. Nick-break - Satisfactory  
 3. Nick-break - Satisfactory  
 4. Nick-break - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 & 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Brett Jaannotte - Chippewa Resources Co. Date November 7, 2013  
 Weld Tests Performed by ETI Ewer Testing & Inspection Inc. ETI Project No. 13-700

by [Signature]  


**WELDER or WELDING OPERATOR COUPON QUALIFICATION TEST RECORD**

REPORTED TO: Summit Midstream LP  
 Attn: Harold Rhodes  
 1101 Fourth Street SE, Suite 201  
 Stanley, ND 58784

DATE: November 13, 2013

ETI PROJECT NO: 13-700  
 Welding Contr: Summit Midstream LP

Welder Name Juan Garza Clock No. \_\_\_\_\_ Stamp No. JG  
 Type of Welder Welding Performance Certification  
 Welding Procedure Specification No. WP-2 Rev. \_\_\_\_\_ Date September 9, 2013

Process Type: SMAW - Manual without backing  
 Mean Temperature: 25° to 35° F  
 Weather Conditions: Mostly clear & Sunny  
 Time of Day/Welding Time: 1230 to 1300. 1/2 Hour - includes cutting & fitting  
 Voltage/Amperage: 22 to 28 volts / 80 to 150 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Bull Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1. Filler & Cap = E7010 /1  
 Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: ASTM A106 Grade B, API 5L  
 Wall Thickness/Outside Diameter: 0.145" / 1.900" OD  
 Qualified Thickness/Outside Diameter Range: Less than 0.188" / under 2.375" OD

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	Not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure \_\_\_\_\_  Qualifying test \_\_\_\_\_  Qualified  
 Welder \_\_\_\_\_ Line test \_\_\_\_\_  Disqualified  
 Maximum Tensile n/a Minimum tensile n/a Average Tensile n/a

**Remarks on tensile-strength test:**

- n/a
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Remarks on bend test:**

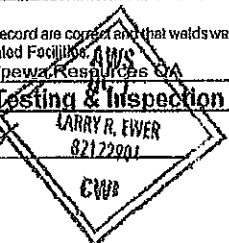
- Root Bend - Satisfactory
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Remarks on nick-break test:**

- Nick-break - Satisfactory
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.0 & 5.0 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities. **AMIS**  
 Test Witnessed by Brett Jeannotte - Chipewauk Resources SA Date November 7, 2013

Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-700

by [Signature]  


# WELDER OR WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: LoenBro  
 Attn: Cody Fryberger  
 409 14<sup>th</sup> Street SW  
 Great Falls, MT 59404

DATE: April 8, 2013

ETI PROJECT NO: 13-213  
 Welding Contr:

Welder Name Garet Urick Clock No. 8528 Stamp No. \_\_\_\_\_  
 Type of Welder Welder Performance  
 Welding Procedure Specification No. Bridger PL = EQ52V Rev. 0 Date 02/05 Rev 1.0

Process Type: SMAW - Manual without backing  
 Mean Temperature: 35° F  
 Weather Conditions: Cloudy  
 Time of Day/Welding Time: 0900 to 1100, 2 Hours - includes fitting & cutting  
 Voltage/Amperage: 22 to 30 volts / 85 to 145 amps  
 Welding Machine Type/Size: Lincoln Classic 300 D  
 Weld Type/Position: Butt Weld / 6G - 45° fixed  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010/1  
 Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: API 5L/ASTM A53 Grade B  
 Wall Thickness/Outside Diameter: 0.250"/12.750"  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	n/a			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

Qualifying test  
 Line test  
 Minimum tensile n/a

Qualified  
 Disqualified  
 Average Tensile n/a

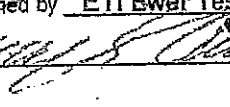

Remarks on tensile-strength test:  
 1. n/a  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_

Remarks on bend test:  
 1. Face Bend - 1 Satisfactory  
 2. Root Bend - 3 Satisfactory  
 3. Face Bend - 5 Satisfactory  
 4. Root Bend - 7 Satisfactory

Remarks on nick-break test:  
 1. Nick-break - 2 Satisfactory  
 2. Nick-break - 4 Satisfactory  
 3. Nick-break - 6 Satisfactory  
 4. Nick-break - 8 Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 and/or 5.8 of API Standard 1104  
 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities

Test Witnessed by Alan Mehrer, - ETI Ewer Testing & Inspection Inc Date April 4, 2013  
 Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-213

by \_\_\_\_\_  
  


# WELDER OR WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO:

LoenBro  
 Attn: Cody Fryberger  
 409 14<sup>th</sup> Street SW  
 Great Falls, MT 59404

DATE: April 8, 2013

ETI PROJECT NO.: 13-213

Welding Contr:

Welder Name Garrett Dink Clock No. 8528 Stamp No. \_\_\_\_\_  
 Type of Welder Welder Performance  
 Welding Procedure Specification No. Bridger PL = EQ52F Rev. 0 Date 02/05 Rev 1.0

Process Type: SMAW - Manual without backing  
 Mean Temperature: 35° F  
 Weather Conditions: Cloudy  
 Time of Day/Welding Time: 1100 to 1400, 2½ Hours - includes cutting & fitting  
 Voltage/Amperage: 22 to 29 volts / 85 to 145 amps  
 Welding Machine Type/Size: Lincoln SA 200  
 Weld Type/Position: Branch Weld nipple down  
 Filler Metal/Group Number: Root Bead = E6010/1, Filler & Cap = E7010/1  
 Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: API 5L/ASTM A53 Grade B  
 Wall Thickness/Outside Diameter: 0.250"/12.750" to 12.750"  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	n/a			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile n/a

Qualifying test  
 Line test  
 Minimum tensile n/a

Qualified  
 Disqualified  
 Average Tensile n/a

Remarks on tensile-strength test:

1. Not performed
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Remarks on bend test:

1. Not performed
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Remarks on nick-break test:

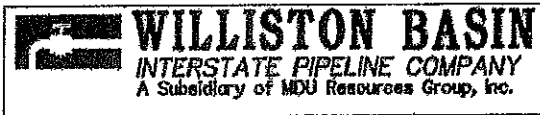
1. Nick-break - 1 Throat - Satisfactory
2. Nick-break - 2 Face - Satisfactory
3. Nick-break - 3 Throat - Satisfactory
4. Nick-break - 4 Face - Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of paragraph 5.6 and/or 5.8 of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

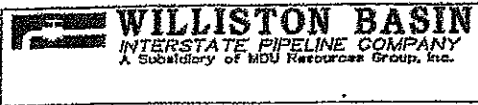
Witnessed by Alan Mehrer, - ETI Ewer Testing & Inspection Inc Date April 4, 2013  
 Field Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-213

by [Signature]

**LARRY R. EWER**  
 8272701  
 CWI

**PIPE WELDING PROCEDURE: SMAW4****2-12" X46-X60 Butt Weld  
Shielded Metal Arc**

<b>1</b> Welding Process:	Shielded Metal Arc. Butt Weld
<b>2</b> Qualifying Code:	API 1104, Seventeenth Edition
<b>3</b> Test Pipe Material Grade:	API5LX-X60
<b>4</b> Test Pipe Dia. and W.T.:	12 3/4" O.D. X 0.190" W.T. ( REQUALIFICATION on 0.250"W. T.
<b>5</b> Pipe Grade Qualified:	API 5LX X-46, X-52, & X-60
<b>6</b> Pipe Dia./W.T Qualified:	2 3/8" through 12 3/4" O.D. and 0.188" through 0.750" W.T.
<b>7</b> Weld Joint Design and Parameters:	Refer to applicable sketch, Page 2 AWS E7010-G on all passes OR E6010 root and E7010 on all remaining passes.
<b>8</b> Filler Metal:	
<b>9</b> Electrical Characteristics:	Direct Current - Reverse Polarity
<b>10</b> Position of Weld Sample:	Horizontal (5G) FIXED
<b>11</b> Direction of Welding:	Vertical Down
<b>12</b> Welding Technique:	Stringer/Weave
<b>13</b> Number of Welders:	One or Two
<b>14</b> Time Lapse Between Passes:	5 Min. Max. Between Root and Hot Pass; Remaining passes within 24 hours
<b>15</b> Type of Line-up Clamp:	External/Internal After 50% of Root Pass Completed with External; After 100% W/Internal.
<b>16</b> Removal of Line-Up Clamp:	
<b>17</b> Method of Weld Cleat	Power Grinding and Power Brushing
<b>18</b> Preheat Temperatures:	None required to 40 degrees F. Below 40 degrees, 150 degree minimum.
<b>19</b> Post-heat Temperature:	None required
<b>20</b> Speed of Travel:	Refer to Page 2
<b>21</b> Shield Gas:	None required



QUALIFICATION FOR WELD PROCEDURE: BUTT   
 QUALIFICATION FOR WELD PROCEDURE: BRANCH

Welder Name: Garrett Urick  
 Welders Company/ID Number: Hot Rod Welding  
 Description of Qualification: Welder  
 Welding Process: SMAW-G  
 Date: 5-14-2012  
 Location of Welding: Worland Wg Welding Shop (outside)  
 Avg Temp: 80°F  
 Welding Machine Type/Size: Lincoln 300 D  
 Weather Conditions: 65°F  
 Material Used to Qualify Welder: X-52  
 Diameter: 12.75  
 Wall thickness: .250

**COUPON LOCATION SEE QUALIFYING WELD PROCEDURE PAGE 2.**

Qualification by section 6 API-1104 (Radiography)

YES  NO  If yes report must be attached.

Qualification by section 3 API-1104 (Destructive)

TENSILE STRENGTH TEST							
Test Specimen No.	Failure Pipe	Failure Weld	Specimen Width	Specimen Thickness	Specimen Area	Pound Pull	Tensile Strength
T1	X		.970	.247	.23959	17,544	73,225
T2	X		1.005	.245	.246225	18,576	75,443

BEND TEST AND NICK BREAK TEST							
Root or Side Bend		Face or Side Bend		Nick Break			
Specimen No.	Results	Specimen No.	Results	Specimen No.	Results	Specimen No.	Results
Root 1	OK	Face-1	OK	Nick Break 1	OK		
Root 2	OK	Face-2	OK	Nick Break 2	OK		
				Branch -1	OK		
				Branch -2	OK		
				Branch -3	OK		
				Branch -4	OK		

Welder is  Qualified  Disqualified

To Weld on the Following: per API 1104 Welder Qualification

Remarks: \_\_\_\_\_

Qualification Expiration Date: 5-14-2013

Welder Garrett Urick

Date 5-14-2012

Tested by [Signature]

Approved \_\_\_\_\_

PAGE:  
REVISED:  
REVISED BY:  
ADOPTED:



COPY

WELDER OR WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: LoenBro
Attn: Cody Fryberger
409 14th Street SW
Great Falls, MT 59404

DATE: January 28, 2013

ETI PROJECT NO: 13-051
Welding Contr:

Welder Name Stephen Kembel Clock No. 6496 Stamp No.
Type of Welder Welder Performance
Welding Procedure Specification No. API-SMA-2 [7010] Rev. 0 Date October 22, 2012

Process Type: SMAW - Manual without backing
Mean Temperature: 15° - 25° F
Weather Conditions: Mostly Clear
Time of Day/Welding Time: 1230 to 1630, 4 Hours - includes cutting & fitting

Voltage/Amperage: 14 to 28 volts / 105 to 145 amps
Welding Machine Type/Size: Lincoln 200
Weld Type/Position: Branch Weld = Nipple Down
Filler Metal/Group Number: E6010/1 = Root, E7010/1 = Hot Pass, Filler & Cap.(2-5)

Reinforcement Size/Welding Direction: up to 1/8" / Downhill
Pipe Type and Grade: API 5L X42 / X52 - 66 ksi
Wall Thickness/Outside Diameter: 0.250"/12.750" to 12.750"
Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

Table with 5 columns: Test Name, 1, 2, 3, 4. Rows include: VISUAL INSPECTION (6.4) Acceptable YES or NO Yes, TENSILE TESTS (5.6.2), Coupon stenciled (not performed), Original specimen dimensions (in.), Original specimen area (in.), Maximum load (lbs), Tensile Strength (psi), Fracture location.

Procedure
[X] Welder
Maximum Tensile
[X] Qualifying test
Line test
Minimum tensile
[X] Qualified
Disqualified
Average Tensile

Remarks on tensile-strength test and Macro Etch test:

- 1. none
2. none
3. none
4. none

Remarks on bend test:

- 1. not performed
2. not performed
3. not performed
4. not performed

Remarks on nick-break test:

- 1. Nick-break - 1 = Satisfactory
2. Nick-break - 2 = Satisfactory
3. Nick-break - 3 = Satisfactory
4. Nick-break - 4 = Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of Appendix B of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Witnessed by Alan Mehrer, - ETI Ewer Testing & Inspection Inc Date January 25, 2013
Weld Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-051

Signature of Alan Mehrer and a circular stamp for LARRY K. EWER 02122004 C100

# WELDER OR WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: LoenBro  
 Attn: Cody Fryberger  
 409 14<sup>th</sup> Street SW  
 Great Falls, MT 59404

DATE: January 28, 2013

ETI PROJECT NO: 13-051  
 Welding Contr: \_\_\_\_\_

Welder Name Stephan Kembe Clock No. 6496 Stamp No. \_\_\_\_\_  
 Type of Welder Welder Performance  
 Welding Procedure Specification No. API-SMA-2 (7010) Rev. 0 Date October 22, 2012

Process Type: SMAW - Manual without backing  
 Mean Temperature: 15° - 25° F  
 Weather Conditions: Mostly Clear  
 Time of Day/Welding Time: 0830 to 1100, 2½ Hours - includes cutting & fitting  
 Voltage/Amperage: 22 to 32 volts / 105 to 140 amps  
 Welding Machine Type/Size: Lincoln 200  
 Weld Type/Position: Butt Weld = 6G - 45° fixed  
 Filler Metal/Group Number: E6010/1 = Root, E7010/1 = Hot Pass, Filler & Cap (2-5)  
 Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: API 5L X42 / X52 - 66 ksi  
 Wall Thickness/Outside Diameter: 0.375"/12.750" to 12.750"  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure \_\_\_\_\_  Qualifying test  Qualified  
 Welder \_\_\_\_\_ Line test \_\_\_\_\_ Disqualified  
 Maximum Tensile \_\_\_\_\_ Minimum tensile \_\_\_\_\_ Average Tensile \_\_\_\_\_

**Remarks on tensile-strength test and Macro Etch test:**

1. None performed
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**Remarks on bend test:**

1. Face Bend - 2 = Satisfactory
2. Root Bend - 4 = Satisfactory
3. Face Bend - 6 = Satisfactory
4. Face Bend - 8 = Satisfactory

**Remarks on nick-break test:**

1. Nick-break - 1 = Satisfactory
2. Nick-break - 3 = Satisfactory
3. Nick-break - 5 = Satisfactory
4. Nick-break - 7 = Satisfactory

We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of Appendix B of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Alan Mehrer - ETI Ewer Testing & Inspection Inc Date January 25, 2013  
 Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-051



# WELDER OR WELDING OPERATOR COUPON QUALIFICATION TEST RECORD

REPORTED TO: LoenBro  
 Attn: Cody Fryberger  
409 14<sup>th</sup> Street SW  
Great Falls, MT 59404

DATE: January 28, 2013

ETI PROJECT NO: 13-051  
 Welding Contr: \_\_\_\_\_

Welder Name Stephen Kemel Clock No. 6496 Stamp No. \_\_\_\_\_  
 Type of Welder Welder Performance  
 Welding Procedure Specification No. API-SMA-2 [7010] Rev. 0 Date October 22, 2012

Process Type: SMAW - Manual without backing  
 Mean Temperature: 15° - 25° F  
 Weather Conditions: Mostly Clear  
 Time of Day/Welding Time: 1230 to 1630, 4 Hours - includes cutting & fitting  
 Voltage/Amperage: 14 to 28 volts / 105 to 145 amps  
 Welding Machine Type/Size: Lincoln 200  
 Weld Type/Position: Branch Weld = Nipple Down  
 Filler Metal/Group Number: E6010/1 = Root, E7010/1 = Hot Pass, Filler & Cap (2-5)  
 Reinforcement Size/Welding Direction: up to 1/8" / Downhill  
 Pipe Type and Grade: API 5L X42 / X52 - 66 ksi  
 Wall Thickness/Outside Diameter: 0.250"/12.750" to 12.750"  
 Qualified Thickness/Outside Diameter Range: 0.188" to 0.750" / 2.375" to 12.750"

VISUAL INSPECTION (6.4) Acceptable YES or NO Yes				
TENSILE TESTS (5.6.2)				
	1	2	3	4
Coupon stenciled	not performed			
Original specimen dimensions (in.)				
Original specimen area (in.)				
Maximum load (lbs)				
Tensile Strength (psi)				
Fracture location				

Procedure  
 Welder  
 Maximum Tensile \_\_\_\_\_

Qualifying test  
 Line test  
 Minimum tensile \_\_\_\_\_

Qualified  
 Disqualified  
 Average Tensile \_\_\_\_\_

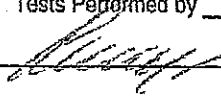
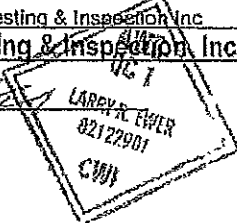
Remarks on tensile-strength test and Macro Etch test:  
 1. none  
 2. none  
 3. none  
 4. none

Remarks on bend test:  
 1. not performed  
 2. not performed  
 3. not performed  
 4. not performed

Remarks on nick-break test:  
 1. Nick-break - 1 = Satisfactory  
 2. Nick-break - 2 = Satisfactory  
 3. Nick-break - 3 = Satisfactory  
 4. Nick-break - 4 = Satisfactory



We, the undersigned, certify that the statements in this record are correct and that welds were prepared and tested in accordance with the requirements of Appendix B of API Standard 1104 Twentieth Edition, November 2005 Welding of Pipelines and Related Facilities.

Test Witnessed by Alan Mehrer - ETI Ewer Testing & Inspection Inc Date January 25, 2013  
 Tests Performed by ETI Ewer Testing & Inspection Inc ETI Project No. 13-051

**WELDING PROCEDURE AND WELDER QUALIFICATION**  
WS 7-10-78 (2-98) (7-98E)


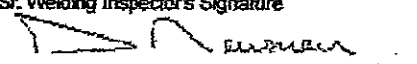
**COUPLON TEST REPORT**

Welder's Name (print) <b>Stephen Kembel</b> 6496				Welder's ID Mark <b>A1</b>				Test Location and Spread No. <b>Big Country Yard, Williston, ND</b>												
<b>TEST CONDITIONS AND RESULTS</b>																				
				Test 1				Test 2				Test 3								
<b>Weld Type</b>				Butt				Branch Fillet				Lap Fillet								
Pipe Nominal Outside Diameter in Inches				16" OD x 0.250 wt				N/A				N/A								
Centerline of Pipe Axis 2G, 5G, or 6G				6G				N/A				N/A								
Pipe Specification and Grade				API 5L X-80				N/A				N/A								
AWS Electrode Filler Metal Identification				E-6010 and E-7010				N/A				N/A								
Welding Procedure Specification No.				ORM-WP-1				N/A				N/A								
<b>LIST TYPE OF DESTRUCTIVE TEST AND RESULTS</b>																				
FB=Face Bend, RB=Root Bend, NB=Nick Break, SB=Side Bend, ACC=Accepted Results, REJ=Rejected Results. Substitute Tensile Strength Tests with Nick Breaks				N/A																
				N/A																
				N/A																
Welder Qualified <input checked="" type="checkbox"/>				Welder Disqualified <input type="checkbox"/>																
This certifies the above welder (if the Welder is Qualified) to weld on the Bear Paw Pipeline Project facilities limited to the following:																				
<b>WELDING</b>																				
Welding Process																				
Welding Equipment																				
SMAW																				
Test Number	Shielded Metal Arc Welding (SMAW)				Gas Tungsten Arc Welding (GTAW)				Flux Core Arc Welding (FCAW)				Manual (M)	Semi-Automatic (SA)	Automatic (A)	API Filler Metal Group Number	Welding Electrode Direction of Travel		Qualification	
	Gas Metal Arc Welding (GMAW)				Submerged Arc Welding (SAW)												Up	Down		
	X												X			1&2	X		X	
<b>ADDITIONAL LIMITATIONS FOR SINGLE QUALIFICATION</b>																				
Pipe																				
Test Number	Outside Diameter Inches				Wall Thickness Inches				Centerline of Pipe (Axis)				Position		Butt Weld		Fillet Weld			
	<2.375	≥2.375 <12.75	>12.75	All	<.1875	≥.1875 <.750	>.750	All	Vertical 2G	Horizontal 5G	All Pipe Axis Positions	Fixed	Rolled	Manual Welding Bevel	Automatic Welding Bevel	Branch Fillet	Lap Fillet			
		X			X						X	X		X						
Welding Inspector's Name (Please Print) <b>Danny Newman</b>				Welding Inspector's Signature 				Date that the Welder was tested <b>4/20/2012</b>												
<b>WELDER QUALIFICATION BASED ON NDT TEST OF PRODUCTION OR TEST BUTT WELD</b>																				
Pipe & Test Weld Data																				
Pipe Diameter <b>16"</b>		Wall Thickness <b>0.250 wt</b>		Pipe Specification and Grade <b>API 5L X-80</b>				Welding Procedure Specification No. <b>ORM-WP-1</b>				Production Weld <input type="checkbox"/>		Test Weld <input checked="" type="checkbox"/>						
NDT Method		X Radiographic Testing (RT)				Radiographic Report No.				X-Ray Film No.'s. <b>Stephen Kembel</b>										
		<input type="checkbox"/> Ultrasonic Testing (UT)				Ultrasonic Report No.				Ultrasonic Data file name or No. (if applicable)										
Welder Qualified <input checked="" type="checkbox"/>				Welder Disqualified <input type="checkbox"/>																
Sr. Welding Inspector's Name (Please Print) <b>Danny Newman</b>				Sr. Welding Inspector's Signature 				Date <b>4/20/2012</b>		Report No. <b>N/A</b>										
Inspector's Name (Please Print)				Chief Inspector's Signature				Date		Job No.										

# WELDING PROCEDURE AND WELDER QUALIFICATION

WS 7-10-78 (2-98) (7-98E)

## COUPON TEST REPORT

Welder's Name (print) <b>Stephen Kembel</b> 6496				Welder's ID Mark: <b>A1</b>				Test Location and Spread No. <b>Big Country Yard, Williston, ND</b>																									
<b>TEST CONDITIONS AND RESULTS</b>																																	
				Test 1				Test 2				Test 3																					
<b>Weld Type</b>				Butt				Branch Fillet				Lap Fillet																					
<b>Pipe Nominal Outside Diameter in Inches</b>				12"OD x 0.250 wt				N/A				N/A																					
<b>Centerline of Pipe Axis 2G, 5G, or 6G</b>				6G				N/A				N/A																					
<b>Pipe Specification and Grade</b>				API 5L X-52				N/A				N/A																					
<b>AWS Electrode Filler Metal Identification</b>				E-6010 and E-7010				N/A				N/A																					
<b>Welding Procedure Specification No.</b>				ORM-WP-1				N/A				N/A																					
<b>LIST TYPE OF DESTRUCTIVE TEST AND RESULTS</b>																																	
FB=Face Bend, RB=Root Bend, NB=Nick Break, SB=Side Bend, ACC=Accepted Results, REJ=Rejected Results. Substitute Tensile Strength Tests with Nick Breaks				N/A																													
				N/A																													
				N/A																													
Welder Qualified <input checked="" type="checkbox"/>				Welder Disqualified <input type="checkbox"/>																													
This certifies the above welder (if the Welder is Qualified) to weld on the Bear Paw Pipeline Project facilities limited to the following:																																	
<b>WELDING</b>																																	
Welding Process						Welding Equipment						Welding Electrode Direction of Travel		Qualification																			
<b>SMAW</b>																																	
Test Number	Shielded Metal Arc Welding (SMAW)		Gas Metal Arc Welding (GMAW)		Submerged Arc Welding (SAW)		Gas Tungsten Arc Welding (GTAW)		Flux Core Arc Welding (FCAW)		Manual (M)		Semi-Automatic (SA)		Automatic (A)		API Filler Metal Group Number		Up Down		Multiple, all diameters, all wall thickness, and all positions.		Single (See Additional Limitations Below)										
	X										X				1&2										X		X						
<b>ADDITIONAL LIMITATIONS FOR SINGLE QUALIFICATION</b>																																	
<b>Pipe</b>																																	
Test Number		Outside Diameter Inches				Wall Thickness Inches				Centerline of Pipe (Axis)				Position		Butt Weld		Fillet Weld															
		<2.375		≥2.375 <=12.75		>12.75		All		<.1875		≥.1875 <=750		>.750		All		Vertical 2G		Horizontal 5G		All Pipe Axis Positions		Fixed		Rolled		Manual Welding Bevel		Automatic Welding Bevel		Branch Fillet	
		X								X						X																	
Welding Inspector's Name (Please Print) <b>Danny Newman</b>						Welding Inspector's Signature 						Date that the Welder was tested <b>4/20/2012</b>																					
<b>WELDER QUALIFICATION BASED ON NOT TEST OF PRODUCTION OR TEST BUTT WELD</b>																																	
<b>Pipe &amp; Test Weld Data</b>																																	
Pipe Diameter <b>12"</b>				Wall Thickness <b>0.250 wt</b>				Pipe Specification and Grade <b>API 5L X-52</b>				Welding Procedure Specification No. <b>ORM-WP-1</b>				Production Weld <input type="checkbox"/>				Test Weld <input checked="" type="checkbox"/>													
NDT Method		<input checked="" type="checkbox"/> Radiographic Testing (RT)				Radiographic Report No.				X-Ray Film No.'s. Stephen Kembel																							
		<input type="checkbox"/> Ultrasonic Testing (UT)				Ultrasonic Report No.				Ultrasonic Data file name or No. (if applicable)																							
Welder Qualified <input checked="" type="checkbox"/>						Welder Disqualified <input type="checkbox"/>																											
Sr. Welding Inspector's Name (Please Print) <b>Danny Newman</b>						Sr. Welding Inspector's Signature 						Date <b>4/20/2012</b>				Report No. <b>N/A</b>																	
Inspector's Name (Please Print)						Chief Inspector's Signature						Date				Job No.																	