



DBI, Inc. Quality Inspection and Consulting Services

*Reliable...Responsive...Resourceful...Proactive*

Williams Field Services

Stewart Dew Point Hickory, PA

7-19-2012

A-Scan Baseline Inspection

Vessel No.: AC-190

Vessel Name: Condensate Cooler

P&ID No: STWT-P01-008



**DBI Incorporated**

**Lincoln Nebraska**

4223 Progressive Avenue.Lincoln NE 68504.Telephone: 402-467-1818 Fax: 402-467-1766

**Omaha Nebraska**

2211 S. 156<sup>th</sup> Circle.Omaha NE 68130.Telephone:402-330-9612.Fax: 402-330-9640

**Overland Park Kansas**

11660 West 90th.Overland Park KS 66214.Telephone: 913-888-2321 Fax: 913-888-2351



## Summary Report

Report Reviewed By:

API 510 #30888

Client: Williams Field Services

Location: Stewart Dew Point Hickory, PA

Vessel No.: AC-190

Vessel Name: Condensate Cooler

Inspection Date: 7-19-2012

Type of Inspection: A-Scan Baseline Inspection

Note: An A-Scan baseline inspection was performed on the AC-190 Condensate Cooler. The AC-190 Condensate Cooler meets MAWP of 300 psi with a remaining service life of 20+ years. The long and short term corrosion rates were determined using the nominal thickness of the vessel.

Next UT Inspection: 7/18/2017 API 510 para. 6.4

Next Visual Inspection: 7/18/2017

								Short Term	Long Term	Remaining
								Corrosion	Corrosion	Life
	TNom	Top	Bottom	North	South	East	West	Rate	Rate	(Years)
TML 1	1.000			1.053				<1 mil	<1 mil	20+
TML 2	0.500	0.503	0.502					<1 mil	<1 mil	20+
TML 3	0.500	0.506	0.504					<1 mil	<1 mil	20+
TML 4	1.000			1.049				<1 mil	<1 mil	20+
TML 5	1.000				1.053			<1 mil	<1 mil	20+
TML 6	0.500	0.510	0.502					<1 mil	<1 mil	20+
TML 7	0.500	0.506	0.503					<1 mil	<1 mil	20+
TML 8	1.000				1.041			<1 mil	<1 mil	20+



Client: Williams Field Services  
Location: Stewart Dew Point Hickory, PA

Vessel No.: AC-190  
Vessel Name: Condensate Cooler

### Vessel Parameters

Design Pressure (MAWP):	300 psi	North Head Material:	SA-516-70N
Design Temperature:	225 F	North Head Type:	Flat
Operating Pressure:	180 psi	Allowable Stress:	20,000
Operating Temperature:	126 F	Joint Efficiency:	Corner Joint
Diameter: I.D or O.D	Fr. 5.8138" Bk. 9.875"	South Head Material:	SA-516-70N
Length S/S:	12'-11"	South Head Type:	Flat
Shell Material:	N/A	Allowable Stress:	20,000
Allowable Stress:	N/A	Joint Efficiency:	Corner Joint
Joint Efficiency:	N/A	Date Manufactured:	2008
Corrosion Allowance:	.125	In Service Date:	2008

### ASME CODE EDITION USED FOR CALCULATIONS ASME Section VIII, Division 1. 2004 Edition

### Paint Information

Average paint coating thickness:	N/A	Thickness measured with paint:	N/A
Paint Multiplier:	N/A	Thickness measured without paint:	N/A

### Name Plate Information

U1A Available:	Yes	ASME stamp present on vessel:	Yes
Name Plate present:	Yes	Rubbing taken:	Digital Photo



Client: Williams Field Services  
Location: Stewart Dew Point Hickory, PA

Vessel No.: AC-190  
Vessel Name: Condensate Cooler

### Vessel Data

Vessel Class:	2	Date Manufactured:	2008
Manufactures Serial #:	2008B5351-A	In Service Date:	2008
Product in Vessel:	Process Gas	Date of ASME VIII Vessel	2004
		Mfg. under:	
P&ID Drawing #:	008	Code Cases:	None
P&ID Prepared By:	Laurel Mountain Midstream, LLC	Addenda:	2006 ADD
Manufacturer:	SmithCo	National Board Number:	11571
Vessel Length S/S:	12'-11"	Vessel Insulated:	No
Diameter I.D or O.D:	Fr. 5.8138" Bk. 9.875"	Describe openings (if any):	N/A
No. of Shell Sections:	None	ANSI Flange Rating:	150 #
No. of Nozzles:	6	Vessel Orientation:	Horizontal
Design Pressure (MAWP):	300 psi	Operating Pressure:	180 psi
Design Temperature:	225 F	Operating Temperature:	126 F
North Head Type:	Flat	South Head Type:	Flat
North Head Material:	SA-516-70N	South Head Material:	SA-516-70N
North Head Weld Type:	Corner Joint	South Head Weld Type:	Corner Joint
Shell Material:	N/A	Shell Weld Type:	N/A
Radiography:	N/A	Hydrostatic:	390 psi

### Relief Valve Information

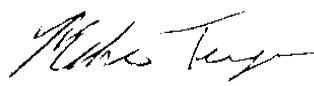
Relief Valve Tag Number:	237	Relief Valve Pressure Setting:	250 psi
Relief Valve Test Date:	9/10/10	Relief Valve Size:	1 1/2 "x 2"



DBI, Inc. Quality Inspection and Consulting Services

*Reliable...Responsive...Resourceful...Proactive*

## PRESSURE VESSEL EXTERNAL INSPECTION

Client: Williams Field Services Date Inspected: 7-19-2012  
Location: Stewart Dew Point Hickory, PA Inspector(s): Mike Troyer  
Vessel No.: AC-190  
Vessel Name: Condensate Cooler Signature: 

### NAME PLATE

Item Inspected	Yes	No	NA = Not Applicable	Comments:
Name Plate present & legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
National Board #	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11571
Manufacturer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SmithCo
Serial #/ Year Built	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2008B5351-A/ 2008
Repair or Rerate Name Plate	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

### FOUNDATION

Concrete condition (spalling, cracks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Foundation settling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appears level
Coating condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Cradle supports (moisture, cracks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted

### SUPPORTS

Describe type (legs, saddle, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Legs
Corrosion, pitting (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Weld condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Paint condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No paint failure noted
Anchor bolts (tightness & corrosion)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appears tight
Insulation deterioration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

### SHELL

Corrosion, pitting (describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Bulges/ Blisters/ Deformations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Weld condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Paint condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Insulation deterioration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Biological growth	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
UT Measurements	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A



## HEADS

Item Inspected	Yes	No	NA = Not Applicable	Yes	No	N/A	Comments:
Corrosion, pitting (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Bulges/ Blisters/ Deformations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Weld condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Paint condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No paint failure noted
Insulation deterioration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
UT Measurements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See autocad drawing

## MANWAYS & NOZZLES

Corrosion, pitting (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Weld condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Flange condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Bolting condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Repad condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Insulation deterioration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
UT Measurements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See autocad drawing

## APPURTENANCES

Grounding (tightness & corrosion)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Ground connection is tight
Gauges, Sight glass (damage)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No damage noted
Relief Valve #/ Size/ Set Pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	237/ 1 1/2 "x 2"/ 250 psi

## LADDERS, STAIRS, PLATFORMS

Corroded, Broken Parts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None noted
Paint condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No paint failure noted
Wear (ladder rungs, stair treads)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None noted
Handrails secure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Handrails are secure
Flooring condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Good condition
Tightness (bolts, tie down clips)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Appear tight
Attachment welds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Good condition
Corrosion, pitting (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	None noted

## ADDITIONAL COMMENTS:



VI

HT

CERTIFIED BY SMITHCO ENGINEERING, INC.  
TULSA, OKLAHOMA

MAWP 300 PSIG AT 225 °F  
INTERNAL

MAWP PSIG AT °F  
EXTERNAL

MDMT 0 °F AT 300 PSIG  
EXTERNAL

S/N 2008B5351 YB 2008

TEST PRESS. 300 PSIG ITEM AC-100 STEEL

SERVICE: STABILIZER CONDENSAT

P215



112

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
**(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)**  
**As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1**

1. Manufactured and certified by SMITHCO Engineering, Inc., 6211 S. 39th W. Avenue, Tulsa, Oklahoma 74132  
(Name and address of manufacturer)
2. Manufactured for PREMIER INDUSTRIES, INC Harvey, LA  
(Name and address of purchaser)
3. Location of installation Premier Industries, Inc. unknown  
(Name and address)
4. Type Horiz(Non-Cir) 2008B-5351-A 2008B-5351 11571 2008  
(Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE.  
The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2004 Year  
to 2006 ADD Addenda (Date)
6. Shell: Tube & Plug Sheets: SA-516 GR-70 N Fr 1.000/ Bk 1.000 .1250 Fr 0' 7.8750"/Bk 0' 7.8750" 5' 11.7500"  
Mat'l. (Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))
7. Seams: Corner Joint 100 1150 45min. 1  
Long. (Welded, Dbl., Spot, Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Spot, Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses
8. Heads: (a) Mat'l. (a) Covers: SA-516 GR-70 N (b) Mat'l. (b) Ends: SA-516 GR-70 N  
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Fr/Bk	0.500/0.500	0.1250	--	--	--	--	--	1.8750/1.8750 x 71.7500	Flat
(b)	Fr/Bk	0.500/0.500	0.1250	--	--	--	--	--	1.8750/1.8750 x 7.3125/7.3125	Flat

- If removable, bolts used (describe other fastenings) N/A  
(Mat'l., Spec. No., Gr., Size, No.)
9. MAWP 300 psi at max. temp 225 °F  
(internal) (external) (internal) (external)
- Min. design metal temp. 0 °F at 300 psi. Hydro., pneu., or comb. test pressure 390 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Inlet/Outlet	1/1	2"300/160	RFWN	SA-105/	0.344	Integral	UW-16.1(a)	Front Head
Vent/Drain	2	1.0	6000CPLG	SA-105		Integral	UW-16.1(a)	Back Head

11. Supports: Skirts No Lugs            Legs 4 Other            Attached Welded to covers  
(Yes or No) (No.) (No.) (Describe) (Where and how)
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:  
INLET & RETURN BOX HEADER, 2238AF/AB, ENTERPRISE WELDING, LLC, "U"  
(Name of part, item number, Mfr's name and identifying stamp)

Impact testing exempt per: UG-20(f) Item: AC-190 STEWA Service: STABILIZED CONDENSAT

Tubes: SA-214 WLD- 122 x 1.00" x .083" x 7.0000'-Straight

Constructed in conformance with appendix 28

**CERTIFICATE OF SHOP/FIELD COMPLIANCE**

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 4175 expires February 28th, 2009  
Date 09-24-2008 Co. name SMITHCO Engineering, Inc. Signed [Signature]  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

Vessel constructed by SMITHCO Engineering, Inc. at Tulsa, Oklahoma  
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Oklahoma and employed by Seneca Insurance Company of Texas  
have inspected the component described in this Manufacturer's Data Report on 9/17 20 08, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.  
Date 9/25/08 Signed [Signature] Commissions NB12736 A OK914  
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)



2/2  
#11571

**FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)**  
**A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer**  
**As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1**

1. Manufactured and certified by Enterprise Welding, LLC, 7415 New Sapulpa Road, Sapulpa, Ok. 74131  
(Name and address of Manufacturer)
2. Manufactured for Smithco, Inc., 6211 S. 39th W. Ave., Tulsa, Oklahoma 74132  
(Name and address of Purchaser)
3. Location of installation UNKNOWN  
(Name and address)
4. Type: INLET & RETURN BOX HEADER 2238AF/AB  
[Description of vessel part (shell, two-piece head, tube bundle)] (Manufacturer's serial number) (CRN)  
2008 B 535 1 SMITHCO, INC. 2008  
(National Board number) (Drawing number) (Drawing prepared by) (Year built)
5. ASME Code Section VIII Div 1 2007/2007  
[Edition and Addenda (date)] (Code Case number) [Special Service per UG-120(d)]
6. Shell (a) No. of course (s): (WRAPPER) 4EA. (b) Overall Length: 71.750"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
2	1.8750"	71.750"	SA-516-70N	.500"	.125"	C.J.	NONE	100	C.J.	NONE	100	NONE	N/A
2	1.8750"	71.750"	SA-516-70N	.500	.125"	C.J.	NONE	100	C.J.	NONE	100	NONE	N/A

7. Heads: (a) FRONT HEADER ENDPLATES SA-516-70N (b) BACK HEADER ENDPLATES SA-516-70N  
(Material spec. number, grade or type) (H.T. - time & temp) (Material spec. number, grade or type) (H.T. - time & temp)
- |     | Location (Top, Bottom, Ends) | Thickness |       | Radius |         | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure |         | Category A |                  |     |
|-----|------------------------------|-----------|-------|--------|---------|------------------|--------------------|----------------------|---------------|------------------|---------|------------|------------------|-----|
|     |                              | Min.      | Corr. | Crown  | Knuckle |                  |                    |                      |               | Convex           | Concave | Type       | Full, Spot, None | Eff |
| (a) | (2) FR. ENDS                 | .500"     | .125" |        |         |                  |                    | 1.8750" X            | 7.3125"       |                  |         |            |                  |     |
| (b) | (2) BK. ENDS                 | .500"     | .125" |        |         |                  |                    | 1.8750" X            | 7.3125"       |                  |         |            |                  |     |

If removable, bolts used (describe other fastenings) N/A  
(Material spec. number, grade, size, number)

8. MAWP N/A at max temp. N/A Min. design metal temp. N/A at N/A  
(Internal) (External) (Internal) (External)
9. Impact Test NO. at test temperature of \_\_\_\_\_  
Indicate yes or no and the component(s) impact tested

10. Hydro., pneu., or comb. test press. NONE Proof Test \_\_\_\_\_
11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET	1	2" 300#	RFWN		SA-105	160	.125"	-	UW16.1a	TYPE 1	hdr
OUTLET	1	2"300#	RFWN		SA-105	160	.125"	-	UW16.1a	TYPE 1	hdr

12. Identification of parts

Name of Part	Quantity	Line No.	Mfr's Identification No.	Mfr's Drawing no.	CRN	National Board No.	Year Built
N/A							
N/A							

13. Supports: Skirt NO Lugs NO Legs NO Others NO Attached NO  
(Yes or No) (Number) (Number) (Describe) (Where and how)

14. Remarks NO DESIGN BY ENTERPRISE WELDING, LLC. WPS QUALIFIED IN PWHT & NO PWHT CONDITIONS. IN ACCORDANCE WITH APP. 28.

INSP. OPEN.: (122)15/16"X UNF. PLUG SHEET(1) VENT(1) DRAIN 1"6000# CPLG, UW16.1a, HDR.

(4) TUBE & PLUG SHEETS: SA-516-70N, INLET /OUTLET 1.000" X 8.6250" X 71.750"

**CERTIFICATE OF SHOP/FIELD COMPLIANCE**

We certify that the statements made in this report are correct and that all details of material, construction and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U Certificate of Authorization No. 35,987 Expires 08/25/2009

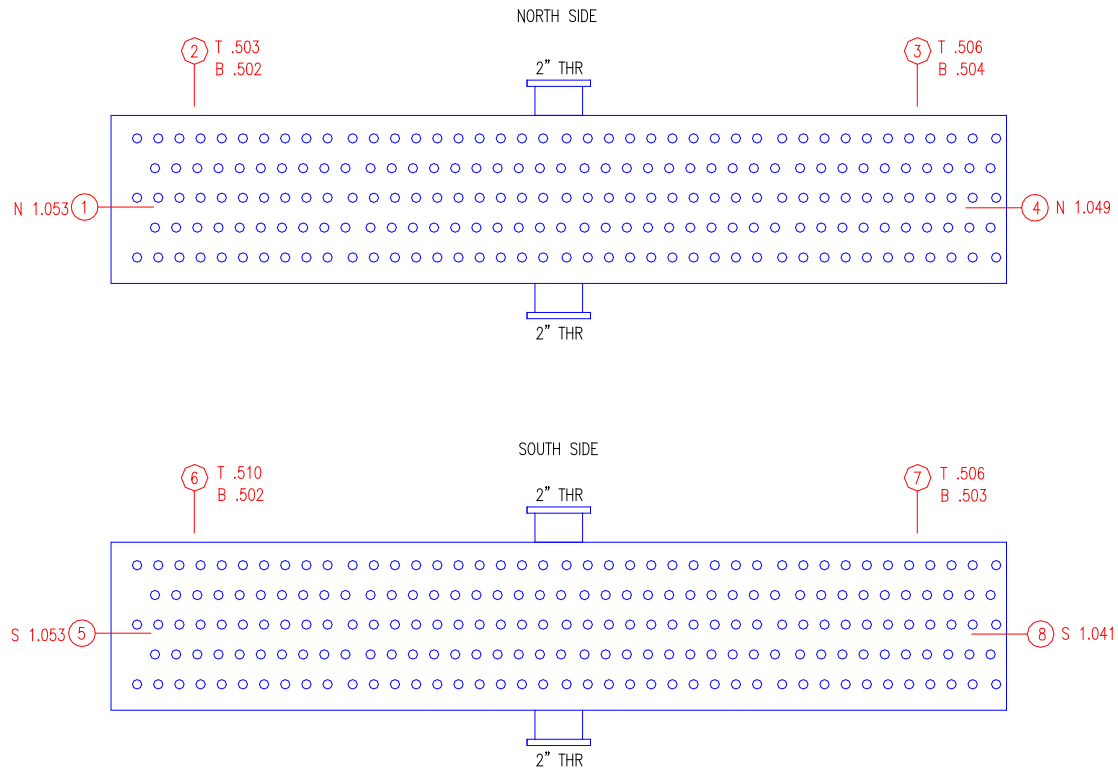
Date 9/18/08 Name Enterprise Welding, LLC Signed [Signature]  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP/FIELD INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of OKLAHOMA and employed by OneBeacon America Insurance Company of Lynn, Ma.

have inspected the pressure vessel part described in this Manufacturer's Data Report on 9/18/08 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 9/19/08 Signed [Signature] Commissions OK 572  
(Authorized Inspector) [National Board (Incl endorsements) State, Province and number]



## NOTES

1. P&ID NO: STWT-P01-008
- 2.
- 3.
- 4.
- 5.
- 6.

<b>CLIENT:</b> Williams Field Services		<b><i>DBI, Incorporated</i></b> 5330 N. 57th Street Lincoln, Nebraska 68507	
<b>LOCATION:</b> Stewart Dew Point Hickory. PA			
<b>INSPECTION DATE:</b> 7-19-2012		<b>ACAD DWG. FILE:</b> AC-190	
<b>VESSEL No:</b> AC-190		<b>DWN BY:</b> MCS	<b>CKD BY:</b>
<b>VESSEL ID:</b> Condensate Cooler		<b>MECHANICAL INTEGRITY INSPECTION</b>	