

**FORM P-3 MANUFACTURER'S DATA REPORT FOR WATERTUBE BOILERS, SUPERHEATERS,
WATERWALLS, AND ECONOMIZERS
As Required by the Provisions of the ASME Code Rules, Section I**

46

MASTER DATA REPORT YES
 (Check one) NO

*Corrected Copy

1. Manufactured by Cleaver-Brooks 6940 Cornhusker Highway Lincoln, NE 68507-3115
(Name and address of manufacturer)
2. Manufactured for Southern Co. Services 24 Inverness Ctr Pkwy Birmingham AL 39242
(Name and address of purchaser)
3. Location of installation Mississippi Power Co. Kemper County (IGCC Facility) Liberty, MS 39645
(Name and address)
4. Unit identification: Watertube Boiler ID Nos. CP-4143 - 521-2074 4625 2011
(Complete boiler, superheater, (Manufacturer's Serial No.) (CRN) (Drawing No.) (Nat'l Board No.) (Year built)
waterwall, economizer, etc.)
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 Section I of the ASME BOILER AND PRESSURE VESSEL CODE. 2007 Edition
(Year)
- Addenda to 2009 (if applicable), and Code Cases -
(Date) (Numbers)
- Supporting Manufacturer's Data Reports properly identified and signed by Commissioned Inspectors are attached for the following items of this report:
-
(Name of part, item number, manufacturer's name, and identifying Designator)

** 6 (a) 1 Steam Drum Wagner Plate Works (S) 10-7763-1
* Economizer By Economasters 11070 (S)

6(a). Drums

No.	Inside Diameter	Inside Length	Shell Plates			Tubesheets		Tube Hole Ligament Efficiency, %	
			Material Spec. No., Grade	Thickness	Inside Radius	Thickness	Inside Radius	Longitudinal	Circumferential
1	**	**	**	**	**	**	-	42.92%	57.77%
2	22.624	42'-4"	SA-106-C	0.688	11.312	-	-	42.92%	37.46%
3	-	-	-	-	-	-	-	-	-

No.	Longitudinal Joints		Circum. Joints		Heads					Hydro-static Test	
	No. & type*	Efficiency	No. & type	Efficiency	Material Spec. No., Grade	Thickness	Type**	Radius of Dish	Manholes No. Size		
1	**	*	2 (2)	100%	SA-516-70	1.25	1.20	Ellipsoidal	-	(2) 14" x 18"	-
2	0 (1)	100%	3 (2)	100%	SA-516-70	0.688	11.312	Ellipsoidal	-	(2) 14" X 16	-
3	-	-	-	-	-	-	-	-	-	-	-

*Indicate if (1) Seamless; (2) Fusion welded.

**Indicate if (1) Flat; (2) Dished; (3) Ellipsoidal; (4) Hemispherical.

6(b). Boiler Tubes

Diameter	Thickness	Material Spec. No., Grade
2" OD	0.105 MW	SA-192
2" OD	0.105 MW	SA-210 A-1
-	-	-
-	-	-

6(c). Headers No. -

(Box or sinuous or round; Material spec. no.; Thickness)
Heads or Ends - Hydro. Test -
(Shape; Material spec. no.; Thickness)

6(d). Staybolts

(Material spec. no.; Diameter; Size telltale; Net area)
Pitch - Net Area - MAWP -
(Horizontal and Vertical) (Supported by one bolt)

6(e). Mud Drum

Heads or Ends - Hydro. Test -
(For sect. header boilers. State Size; Shape; Material spec. no.; Thickness) (Shape; Material spec. no.; Thickness)

7(a). Waterwall Headers

No.	Size and Shape	Material Spec. No.	Thickness	Heads or Ends			Hydro. Test	7(b). Waterwall Tubes		
				Shape	Thickness	Material Spec. No.		Diameter	Thickness	Material Spec. No.
2 FR	3.286" ID PIPE	SA-106-B	0.337	-	-	-	-	2" OD	0.105 MW	SA-192
1 BR	3.826" ID PIPE	SA-106-B	0.337	-	-	-	-	2" OD	0.105 MW	SA-192
1 AD	2.900" ID PIPE	SA-106-B	0.300	FLAT PLATE	0.500	SA-516-70	-	2" OD	0.105 MW	SA-192

8(a). Economizer Headers

-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

8(b). Economizer Tubes

Form P-3

Boiler No. CP-4143 521-2074 4625
 (Mfr's. Serial No.) (CRN) (Drawing No.) (Nat'l Board No.)

9(a). Superheater Headers				Heads or Ends			9(b). Superheater Tubes			
No.	Size and Shape	Material Spec. No.	Thickness	Shape	Thickness	Material Spec. No.	Hydro. Test	Diameter	Thickness	Material Spec. No.
1	UP 9.062" ID PIPE	SA-335 P22	0.844	FLAT PLATE	0.750	SA-387 Gr22	-	2" OD	0.135 MW	SA-213 T22
1	LW 9.062" ID PIPE	SA-335-P22	0.844	FLAT PLATE	0.750	SA-387 Gr22	-	2" OD	0.135 MW	SA-213 T22

10(a) Other Parts (1)		Stam Drum Manway Rings (2)		Water Drum Manway Rings (3)		Feedwater Piping		10(b) Tubes for Other Parts	
1	14" X 18" ELLIP	SA-516-70	1.00	-	-	-	-	-	-
2	12" X 16" ELLIP	SA-106-B	1.00	-	-	-	-	-	-
3	6.065" ID PIPE	SA-106-B	.280"	RFWN FLG	600#	SA-105	-	-	-

11. Openings (1) Steam (1) 12" PIPE SCH 80 B.W. SA-106-B (2) Pressure Relief Valve (2) 4" 600# RFLWN FLG SA-105
 (No., size, and type of nozzles or outlets) (No., size, and type of nozzles or outlets)
 (3) Blowoff (2) 1-1/2" 600# RFWN FLG SA-105 (4) Feed (1) 6" 600# RFWN FLG SA-105 Steam Drum Burner End
 (No., size, and type of nozzles or outlets) (No., size, type, and location of connections)

12.		Maximum Allowable Working Pressure	Code Par. and/or Formula on Which MAWP is Based	Shop Hydro. Test	Heating Surface
a	Boiler	450 PSIG	PG,23,27,29,33,52,	675 PSIG	7584
b	Waterwall	450 PSIG	PG,23,27,31,52,	675 PSIG	1504
c	Economizer	-	-	-	-
d	Superheater	450 PSIG	PG,23,27,29,33,52,	675 PSIG	699
e	Other Parts	450 PSIG	PG,23,28,33,44,	675 PSIG	-

Heating surface to be stamped on on drum heads.
 This heating surface not to be used for determining minimum pressure relief valve capacity.

13. Field Hydro. Test
-
-
-
-
-

14. Maximum Designed Steaming Capacity 214.000

15. Remarks No connections to item 11 except at listed. All threaded piping minimum schedule 80 SA-106-B. Field welds required field hydro test required

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this boiler conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. 1,769 to use the (S) S Designator expires 03/30/13
 Date 4-23-12 Signed Bob Kurbatovich Name Cleaver-Brooks
 (Authorized Representative) (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Boiler made by Cleaver-Brooks at 6940 Cornhusker Highway Lincoln Ne. 68507-3115
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by HSB CT

have inspected parts of this boiler referred to as data items 6 (a), 6 (b), 7 (a), 7 (b), 9 (a), 9 (b), 10 (a), 11 < 12 (a), 12 (b), 12 (d), 12 (e), 14, 15, and have examined Supporting Manufacturer's Data Reports for items 6 (a) 1

and state that, to the best of my knowledge and belief, the Manufacturer has constructed this boiler in accordance with Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler 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 a loss of any kind arising from or connected with this inspection.

Date 4/23/12 Signed [Signature] Commissions Nat'l Bd 11808 A, B, NE 10000
 (Authorized Inspector) [National Board Commission Number and Endorsement]

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly of all parts of this boiler conforms with the requirements of SECTION I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. - to use the (A) or (S) - Designator expires -
 Date - Signed - Name -
 (Authorized Representative) (Assembler)

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Form P-3

Boiler No. CP-4143 521-2074 4625
(Mfr's. Serial No.) (CRN) (Drawing No.) (Nat'l Board No.)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by

_____ have compared statements in this Manufacturer's Data Report with the described boiler and state that the parts referred to as data items _____, not included in the Certificate of Shop Inspection, have been inspected by me and that to the best of my knowledge and belief the Manufacturer and/or the assembler has constructed and assembled this boiler in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE. The described boiler was inspected and subjected to a hydrostatic test of _____ psi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler 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 a loss of any kind arising from or connected with this inspection.

Date 11/21/11 Signed _____ Commissions _____
(Authorized Inspector) [National Board Commission Number and Endorsement]

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**FORM P-7 MANUFACTURER'S DATA REPORT FOR SAFETY VALVES
As Required by the Provisions of the ASME Code Rules, Section I**

1. Boiler manufactured by Cleaver-Brooks 6940 Cornhusker Highway Lincoln, NE 68507-3115 , P-7 ID No. CP-4143
(Name and address of manufacturer)
2. Boiler manufactured for Southern Co. Services 24 Inverness Ctr Pkwy Birmingham AL 35242
(Name and address of purchaser)
3. Location of installation Mississippi Power Co. Kemper County (IGCC Facility) Liberty MS. 39645
(Name and address)
4. Unit identification Watertube Boiler ID Nos. CP-4143 - 521-2074 4625
(Complete boiler, superheater, waterwall, economizer, etc.) (Mfr's. Serial No.) (CRN) (Drawing No.) (Nat'l. Board No.)

5. Identification of Pressure Relief Valves

Tag No.	Service Location	Quantity	Size	Manufacturer Name	Design or Type No.	Material*	Set Press.	Capacity
						Conn.**		
PSV-03480	Steam Drum	1	4"	Consolidated	1811NB	(5)(D)	420	87,678
-	-	-	-	-	-	-	-	-
PSV-08481	Steam Drum	1	4"	Consolidated	1811NB	(5)(D)	430	89,697
-	-	-	-	-	-	-	-	-
PSV-04306	Superheater	1	3"	Consolidated	1811MB	(2)(D)	370	58,627
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-

* Material: (1) SA-216, WCB. (2) SA-217, WC6. (3) SA-217, WC9. (4) SA-182, F22. (5) Other SA216 WCC

** Connector type: (A) Groove Weld. (B) Socket Weld. (C) Threaded. (D) Flanged.

6. Unit Relieving Capacity

Circuit	Minimum Required	Furnished
Boiler	214,000	177,375
Economizer	-	-
Superheater	-	58,627
Reheater Inlet	-	-
Reheater Outlet	-	-
Other	-	-

7. Determination of Unit Relieving Capacity
 Is PG-67.2.7 applicable to this boiler? No Yes
 Approach taken to address capacity PG-67.2.1.1.1 PG-67.2.1.1.2

P-7 ID No. CP-4143

CERTIFICATE OF COMPLIANCE

We certify the statements in this Manufacturer's Data Report for Pressure Relief Valves to be correct and that all details conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. 1,769 to use the (S) or (M) S Designator expires 3/30/2013

Date 4-23-12 Signed Bob Kneppel Name Cleaver-Brooks
(Authorized Representative) (Manufacturer)

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FORM P-6 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules

1. Manufacturer (or Engineering-Contractor) Cleaver-Brooks 6940 Cornhusker Highway Lincoln, NE 68507-3115
 (Name and address)

2. Purchaser Southern Co. Services 24 Inverness Ctr Pkwy Birming Al 35242
 (Name and address)


3. Type of Boiler Watetube Boiler

4. Boiler No. CP-4143 - 521-2074 4625
 (Manufacturer's Serial no.) (CRN) (Drawing no.) (National Board no.)

2011
 (Year built)

Data Items by Line No.	
10 (a) 4	FEEDWATER PIPING Drawing 504-10213 6" 300# RFWN FLG SCH 40 SA-105, 6" PIPE SCH 40
-	6.065" ID .280" THK SA-106-B, 6" ELBOW 90 DEG B.W. SCH 40 SA-234-WPB, 6" TEE B.W.
-	STD SA-234-WPB, 3" 300# RFWN FLG SCH 40 SA-105, 3" PIPE SCH 40 3.068" ID .216" THK
-	SA-106-B, 6" X 3" REDUCER B.W. SCH 40 SA-234-WPB.
-	-
10 (a) 5	SATURATED STEAM PIPING 12" PIPE 12.00" .375" THK SA-106-B, 12" ELBOW B.W. STD LONG
-	RADIUS SA-234-WPB, 12" X 10" REDUCER B.W. STD SA-234-WPB, 10" ELBOW STD B.W. LONG
-	RADIUS SA-234-WPB, 10" PIPE SCH 60 9.750" ID .500 THK SA-106-B, DRAWING 504-10209
-	-
10 (a) 6	SUPERHEATER OUTLET PIPING 12" PIPE SCH 40 11.938" ID .406" THK SA-106-B, 12" ELBOW
-	SCH 40 B.W. 90 DEG SA-234-WPB, 6" PIPE SCH 40 6.065" ID .280" THK SA-106-B
-	10" PIPE SCH 60 9.750" ID .500" THK SA-106-B, 12" X 10" REDUCER B.W. EX HVY
-	SA-234-WPB. DRAWING 504-10210
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Date 4-23-12 Signed Cleaver-Brooks By Bob Kirkpatrick

Date 4/23/12
 Commissions Nat'l Bd 11808 A, B, NE 10000
 (Authorized Inspector) (National Board Commission Number and Endorsement)

FORM P-4 MANUFACTURERS' PARTIAL DATA REPORT
As Required by the Provisions of the ASME Code Rules, Section I

5/6

1. Manufactured by WAGNER PLATE WORKS, LLC, 4142 W. 49TH STREET TULSA, OKLAHOMA 74107 P-4 ID No. 10-7763-1
(Name and address of manufacturer)

2. Manufactured for CB- NEBRASKA BOILER 6940 CORNHUSKER HWY. LINCOLN, NE 68507
(Name and address of purchaser)

3. Identification of Part(s)

Name of Part	Quantity	Line No.	Mfr's Identifying Numbers	Manufacturer's Drawing No.	CRN	National Board No.	Year Built
CYLINDER	1	6. (a) 1	10-7763-1	10-7763-1	-	-	2011
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

4. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design (as indicated on line 14, Remarks), construction and workmanship conform to ASME Rules, Section I of ASME Boiler and Pressure Vessel Code

2007 Addenda to 2009, and Code Cases
(Year) (Date) (Numbers)

6. (a) Drums:

No.	Inside Diameter, in.	Inside Length in.	Shell Plates			Tubesheets		Tube Hole Ligament Efficiency, %	
			Mat'l. Spec. No., Grade	Thickness, in.	Inside Radius, in.	Thickness, in.	Inside Radius, in.	Longitudinal	Circumferential
1	54"	42' - 4"	SA-516 Gr70	1 1/2"	27"	-	-	-	-
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-

No.	Longitudinal Joints		Circum. Joints		Heads					Hydrostatic Test, psi.
	No. & Type*	Efficiency	No. & Type	Efficiency	Mat'l. Spec. No., Grade	Thickness, in.	Type**	Radius of Dish	Manholes No. Size	
1	4-2	100%	3-2	100%	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-

*Indicate if (1) Seamless; (2) Fusion welded.

**Indicate if (1) Flat; (2) Dished; (3) Ellipsoidal; (4) Hemispherical

6. (b) Boiler tubes:

Diameter	Thickness	Mat'l. Spec. No., Grade
-	-	-
-	-	-
-	-	-
-	-	-

6. (c) Headers no. _____

(Box or sinuous or round, Mat'l. spec. no.; Thickness)

Heads or Ends _____ Hydro. Test, ps _____
(Shape; Mat'l. spec. no.; Thickness)

6 (d) Staybolts _____

(Mat'l. spec. no.; Diameter; Size telltale; Net area)

Pitch _____ in. Net Area _____ in.² MAWP _____ psi
(Hor. and Vert.) (Supported by one bolt)

6. (e) Mud Drum: _____

(For sect. header boilers, State size; Shape; Mat'l. spec. no.; Thickness)

Heads or Ends _____

(Shape; Mat'l. spec. no.; Thickness)

Hydro. Test, ps _____

7. (a) Waterwall Headers:

No.	Size and Shape	Material Spec. No.	Thickness, in.	Heads or Ends			Hydro. Test, psi.	7(b) Waterwall Tubes		
				Shape	Thickness, in.	Material Spec. No.		Diameter, in.	Thickness, in.	Material Spec. No.
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

FORM P-4 (Back)

8. (a) Economizer Headers

No.	Size and Shape	Material Spec. No.	Thickness, in.	Heads or Ends			Hydro. Test psi.	Diameter, in.	Thickness, in.	Material Spec. No.
				Shape	Thickness, in.	Material Spec. No.				
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

8(b) Economizer Tubes

9. (a) Superheater Headers

No.	Size and Shape	Material Spec. No.	Thickness, in.	Shape	Thickness, in.	Material Spec. No.	Hydro. Test psi.	Diameter, in.	Thickness, in.	Material Spec. No.
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

9 (b) Superheater Tubes

10. (a) Other Parts (1) -

(2) -

(3) -

10(b) Tubes for Other Parts

1	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-

11. Openings (1) Steam

(2) Safety Valve

(No., size, and type of nozzles or outlets)

(No., size, and type of nozzles or outlets)

(3) Blowoff

(4) Feed

(No., size, and type of nozzles or outlets)

(No., size, type and location of connections)

12.

	Maximum Allowable Working Pressure	Code Par. and/or Formula on Which MAWP is Based	Shop Hydro. Test, psi	Heating Surface Sq. Ft.
a Boiler	-	-	-	-
b Waterwall	-	-	-	-
c Economizer	-	-	-	-
d Superheater	-	-	-	-
e Other Parts	-	-	-	-

Heating surface to be stamped on drum heads
This heating surface not to be used for determining minimum safety valve capacity

13. Field Hydro. Test ps
-
-
-
-
-

14. Remarks: **WAGNER PLATE WORKS, LLC RETAINS RESPONSIBILITY FOR WORKMANSHIP AND MATERIAL ONLY.**

DESIGN IS THE RESPONSIBILITY OF THE CUSTOMER.

100% RT OF ALL SEAMS.

COLD FORMED. HAS NOT BEEN P.W.H.T. WPS QUALIFIED AS WELDED AND WITH P.W.H.T.

P.O. L160717 TAG: 172-04227-000 JOB: CP4143

HYDRO TEST BY CUSTOMER.

CERTIFICATE OF SHOP COMPLIANCE

We certify the statements made in this Manufacturers' Partial Data Report to be correct and that all details of design (as indicated on line 14, Remarks), material construction, and workmanship of this boiler part conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. 32,395 to use the (PP) or (S) S Symbol expires 02/27 2013

Date 06/03/2011

Signed

Jim Eastin
(Authorized Representative)

Name WAGNER PLATE WORKS, LLC
(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of OKLAHOMA and employed by HSB CT

have inspected the part of a boiler described in this Manufacturers' Partial Data Report on 06/03, 2011, and state that to the best of my knowledge and belief, the Manufacturer has constructed this part in accordance with the applicable sections of the ASME BOILER AND PRESSURE VESSEL CODE.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report. Furthermore, neither the inspector nor his 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

06/03/2011

[Signature]
(Authorized Inspector)

Commissions

OK 962 NB13413A

(Nat'l Board (incl. endorsements) State, Province, and No.)

**FORM P-3 MANUFACTURER'S DATA REPORT FOR WATERTUBE BOILERS, SUPERHEATERS,
WATERWALLS, AND ECONOMIZERS**

As Required by the Provisions of the ASME Code Rules, Section I

MASTER DATA REPORT YES
(Check one) NO

4143 8/6

1. Manufactured by Economasters, L.L.C. 3209 W. 21st St. Tulsa, Ok. 74107
(Name and address of manufacturer)

2. Manufactured for Eco, Inc. 3101 N. Hemlock Circle Ste. 110-F Broken Arrow, Ok. 74012
(Name and address of purchaser)

3. Location of installation Mississippi Power Co. Liberty, Ms. 39645
(Name and address)

4. Unit identification Economizer ID Nos. 11070 J-1348-1A Rev. 1 1491 2012
(Complete boiler, superheater, waterwall, economizer, etc.) (Manufacturer's Serial No.) (CRN) (Drawing No.) (Nat'l. Board 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 Section I of the ASME BOILER AND PRESSURE VESSEL CODE 2010
(Year)

Addenda to NA (Date) and Code Cases _____ (Numbers)

Supporting Manufacturer's Data Reports properly identified and signed by Commissioned Inspectors are attached for the following items of this report:

(Name of part, item number, manufacturer's name, and identifying stamp)

6(a). Drums

No.	Inside Diameter	Inside Length	Shell Plates			Tubesheets		Tube Hole Ligament Efficiency, %	
			Material Spec. No., Grade	Thickness	Inside Radius	Thickness	Inside Radius	Longitudinal	Circumferential
1									
2									
3									

No.	Longitudinal Joints		Circum. Joints		Heads					Hydro-static Test
	No. & type*	Efficiency	No. & type	Efficiency	Material Spec. No., Grade	Thickness	Type**	Radius of Dish	Manholes No. Size	
1										
2										
3										

*Indicate if (1) Seamless; (2) Fusion welded.

**Indicate if (1) Flat; (2) Dished; (3) Ellipsoidal; (4) Hemispherical.

6(b). Boiler Tubes

Diameter	Thickness	Material Spec. No., Grade

6(c). Headers No. _____
(Box or sinuous or round; Material spec. no.; Thickness)

Heads or Ends _____ Hydro. Test _____
(Shape; Material spec. no.; Thickness)

6(d). Staybolts _____
(Material spec. no.; Diameter; Size telltale; Net area)

Pitch _____ Net Area _____ MAWP _____
(Horizontal and Vertical) (Supported by one bolt)

6(e). Mud Drum _____

(For sect. header boilers. State Size; Shape; Material spec. no.; Thickness)

(Shape; Material spec. no.; Thickness)

Hydro. test _____

7(a). Waterwall Headers

No.	Size and Shape	Material Spec. No.	Thickness

Heads or Ends

Shape	Thickness	Material Spec. No.	Hydro. Test

7(b). Waterwall Tubes

Diameter	Thickness	Material Spec. No.

8(a). Economizer Headers

2	7.625" Rnd.	SA-106-B	.438"	Ellip.	.438"	SA234WPB

8(b). Economizer Tubes

(09/06)

ORIGINAL

JWD
01-16-2012

FORM P-3 (Back)

Boiler No. 11070 (Mfr's. Serial No.) J-1348-[A Rev.1] 1491 (Drawing No.) (Nat'l Board No.)

9(a). Superheater Headers				Heads or Ends			9(b). Superheater Tubes			
No.	Size and Shape	Material Spec. No.	Thickness	Shape	Thickness	Material Spec. No.	Hydro. Test	Diameter	Thickness	Material Spec. No.

10(a). Other Parts (1) Vent (2) Drain (3) _____ 10(b). Tubes for Other Parts

No.	Size and Shape	Material Spec. No.	Thickness						
1	1" TOL	SA-105	3000#						
2	1" TOL	SA-105	3000#						
3									

11. Openings (1) Steam (1) 6" -600# RFWN (2) Safety Valve _____
(No., size, and type of nozzles or outlets) (No., size, and type of nozzles or outlets)
 (3) Blowoff _____ (4) Feed (1) 6" - 600# RFWN Inlet Hdr.
(No., size, and type of nozzles or outlets) (No., size, type, and location of connections)

12.		Maximum Allowable Working Pressure	Code Par. and/or Formula on Which MAWP is Based	Shop Hydro. Test	Heating Surface	13. Field Hydro. Test
a	Boiler					
b	Waterwall					
c	Economizer	565	PG-27	848	24982	
d	Superheater					
e	Other Parts					

14. Maximum Designed Steaming Capacity _____
 15. Remarks SRV by others * w/ 8"x 6" sch.80 Conc. Reducer SA-234-WPB

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this data report are correct and that all details of design, material, construction, and workmanship of this boiler conform to Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. 32817 to use the (S) S Symbol expires Sept. 25, 2013
 Date 1/13/12 Signed [Signature] Name Economasters, LLC
(Authorized Representative) (Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Boiler made by Economasters, LLC at 3209 W. 21st St. Tulsa, Ok. 74107
 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 Okla. One Beacon America Ins Co. and employed by _____
 _____ have inspected parts of this boiler referred to as data items _____
8a, 8b, 10a, 11, 12, 15 and have examined Supporting Manufacturer's Data Reports for items _____
NA and state that, to the best of my knowledge and belief, the Manufacturer has constructed this boiler in accordance with Section I of the ASME BOILER AND PRESSURE VESSEL CODE.
 By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the boiler 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 a loss of any kind arising from or connected with this inspection.
 Date 1/13/2012 Signed [Signature] Commissions NB 11158 (A) OK 646
(Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Province, and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly of all parts of this boiler conforms with the requirements of Section I of the ASME BOILER AND PRESSURE VESSEL CODE.

Our Certificate of Authorization No. _____ to use the (A) or (S) _____ Symbol expires _____
 Date _____ Signed _____ Name _____
(Authorized Representative) (Assembler)