

FORM H-2 MANUFACTURER'S DATA REPORT FOR ALL TYPES OF BOILERS
EXCEPT WATERTUBE AND THOSE MADE OF CAST IRON
As Required by the Provisions of the ASME Code Rules, Section IV1. Manufactured and certified by Hurst Boiler & Welding Co., Inc., 21971 U.S. Hwy 319 North, Coolidge, Georgia, 31738
(name and address of manufacturer)Manufactured for YOWN'S BOILER, 3501 W. 20TH ST., JACKSONVILLE, Florida, 32254
(name and address of purchaser)3. Location of installation LAKE TRIBE BREWING CO., 3357 GARBER DR. UNIT #4, TALLAHASSEE, Florida, 32303
(name and address)4. Unit identification VERTICAL TUBELESS V55-15/30W-30 N/A 1501118 20882 2015
(complete boiler, superheater, (manufacturer's serial no.) (CRN) (drawing no.) (National Bd. 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 ASME Code, Section IV, 2013 NONE NONE
(year) [addenda (as applicable) (date)] (Code Case no.)

Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this report

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

6. Shells or drums 1 SA-53-B ERW 3/8" 1' 11.25" 5' 2" N/A N/A
(no.) (material spec., gr.) (thickness) (inside diameter) [length (overall)] (inside diameter) [length (overall)]7. Joints SEAMLESS 100% SEAMLESS 1
[long. (seamless, welded)] [eff. (compared to seamless)] [girth (seamless, welded)] (no. of shell courses)8. Tubesheet N/A N/A Tube holes N/A
(material spec., grade) (thickness) (number and diameter)9. Tubes: No. N/A N/A Diameter N/A Length N/A Gauge N/A
(material spec., grade) (straight or bent) (if various, give max. and min.) (or thickness)10. Heads SA-516-70 1/2" FLAT N/A
(material spec. no.) (thickness) (flat, dished, ellipsoidal) (radius of dish)11. Furnace SA-53-B ERW 3/8" 1 16" 48" 48" PLAIN Seams SEAMLESS
(material spec., gr.) (thickness) (no.) [size (O.D. or W x H)] [length (each section)] (total) [type (plain, corrugated, etc.)] [type (seamless, welded)]12 Staybolts 1 1-1/8" SA-675-70 0.99 SQ IN 11.625" 1530W
(no.) [size (diameter)] (material spec., gr.) (size) (tell tale) (net area) [pitch (horizontal and (MAWP)

ays or braces:

Location	Material Spec.	Type	Number and Size	Pitch	Total Net Area	Fig. HG-343 L/I	Dist. Tubes to Shell	MAWP
(a) F.H. above tubes								N/A
(b) R.H. above tubes								N/A
(c) F.H. below tubes								N/A
(d) R.H. below tubes								N/A
(e) Through stays	SA-675-70	THRU	1 @ 1-1/8"	11.625"	0.99 SQ IN	N/A	N/A	15/3W

14. Other parts: 1. BURNER PORT 2. FURNACE PORTS 3. BOTTOM RING
(brief description, i.e. dome, boiler piping)1. (1) 8" x 7-1/2" SCH 40, SA-53-B ERW PIPE, WELDED SIDE SHELL2. (2) 6" x 5-1/2" SCH 40, SA-53-B ERW PIPE, WELDED SIDE SHELL3. (1) 1/2" THICKNESS SA-516-70 PLATE, WELDED BOTTOM SHELL
(material spec., grade, size, material thickness, MAWP)

15. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Diameter or Size	Type	How Attached	Material	Nominal Thickness	Reinforcement Material	Location
Handhole	4	3" x 4"	NA	WELDED	NA	N/A	N/A	HEAD/SHELL
Manhole	N/A							
SUPPLY	1	2"	THREADED CPLG	WELDED	SA-105	3000#	N/A	TOP HEAD
FEEDWATER	1	2"	THREADED CPLG	WELDED	SA-105	3000#	N/A	BOTTOM SHELL
SAFETY VALVE	1	2"	THREADED CPLG	WELDED	SA-105	3000#	N/A	TOP HEAD
DRAIN / BLOWDOWN	1	1"	THREADED CPLG	WELDED	SA-105	3000#	N/A	BOTTOM SHELL
LWCO / SPARE	6	1"	THREADED CPLG	WELDED	SA-105	3000#	N/A	HEAD/SHELL

16. Boiler supports 2 SKIDS WELDED
 (no.) [type (saddles, legs, lugs)] [attachment (bolted or welded)]

17. MAWP 15 psi Based on HG-301 Heating surface 55 sq. ft. Shop hydro. test 60 psi
 (Code par. and/or formula) (total) (complete boiler)

18. Maximum water temperature 250° F

19. Remarks
CODE STAMPING LOCATED AT BOTTOM OF SHELL.

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 IV of the ASME BOILER AND PRESSURE VESSEL CODE.

"H" Certificate of Authorization no. 17221 expires January 6, 2018

Date 10/19/2015 Signed [Signature] Name Hurst Boiler & Welding Co., Inc.
 (by representative) (manufacturer that constructed and certified boiler)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and employed by Hurst Boiler & Welding Co., Inc. at 21971 U.S. Hwy 319 North, Coolidge, Georgia, 31738

Boiler Construction Company have inspected parts of this boiler referred to as data items 4 THRU 19

and have examined Manufacturers' Partial Data Reports for items NONE

and state that, to the best of my knowledge and belief, the manufacturer has constructed this boiler 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 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 10/19/2015 Signed [Signature] Commission: 13637A
 (Authorized Inspector) (National Board commission number and endorsements)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

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

"H" Certificate of Authorization no. _____ expires _____

Date _____ Signed _____ Name _____
 (by representative) (assembler that certified and constructed field assembly)

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 the 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 _____.

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 _____ Signed _____ Commission _____
 (Authorized Inspector) (National Board commission number and endorsements)

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 Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Hurst Boiler & Welding Co., Inc., 21971 U.S. Hwy 319 North, Coolidge, Georgia, 31738

(Name and address of Manufacturer)

2. Manufactured for STOCK

(Name and address of Purchaser)

3. Location of Installation STOCK

(Name and address)

4. Type VERTICAL TANK

(Horizontal or vertical, tank)

1401618 BDS

(Manufacturer's serial number)

N/A

(CRV)

BD8 REV. 5

(Drawing number)

20318

(National Board number)

2014

(Year built)

5. ASME Code, Section VIII, Division 1

2013/ NONE

(Edition and Addenda, if applicable (date))

NONE

(Code Case numbers)

NONE

(Special service per UG-120(d))

6. Shell:

SA-53-B

(Material spec. number, grade)

.322 in

(Nominal thickness)

0.0625 in

(Corr. allow.)

7.981" (ID)

(Inner diameter)

16"

(Length (overall))

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams:

ERW WELDED

(Long. (welded, dbl., singl., lap, butt))

NONE

(R.T. (spot or full))

85%

(Eff. %)

NA

(H.T. temp)

NA

(Time, hr)

WELDED, SINGLE

(Girth. (welded, dbl., singl., lap, butt))

NONE

(R.T. (spot or full))

65%

(Eff. %)

1

(No. of courses)

8. Heads: (a) Material

SA234 WPB

(Spec. no., grade)

(b) Material

SA234 WPB

(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)	TOP	0.2595"	0.0625"	6.98"	1.33"	2:1	N/A	N/A	N/A	CONCAVE
(b)	BOTTOM	0.2595"	0.0625"	6.98"	1.33"	2:1	N/A	N/A	N/A	CONCAVE

Body Flanges on Heads

	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

MAWP

250 psi

(Internal)

N/A

(External)

at max. temp.

450 °F

(Internal)

N/A

(External)

Min. design metal temp. -20 °F

at

250 psi

Hydro, pneu., or comb. test pressure

325 psi

Proof test

NONE

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
INLET	1	1.25"	PIPE	SA-106-B		SCH 80		INHERENT	WELDED		S. SHL.
VENT	1	2.5"	THD. CPLG.	SA-105		3000#		INHERENT	WELDED		TOP
DRAIN	1	2.5"	THD. CPLG.	SA-105		3000#		INHERENT	WELDED		BOTTOM

11. Supports: Skirt

NO

(Yes or no)

Lugs

NA

(Number)

Legs

3

(Number)

Other

NONE

(Describe)

Attached

WELDED SHELL

(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:

N/A

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

*CODE STAMPING ATTACHED TO PLATE WELDED TO BOTTOM HEAD OF VESSEL SHELL

*HYDRO TESTED IN THE

VERTICAL POSITION *IMPACT TEST EXEMPT PER UCS-66 (a)

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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 17223

expires January 6, 2018

Date 01/15/2015

Co. name

Hurst Boiler & Welding Co., Inc.
(Manufacturer)

Signed

[Signature]
(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Hurst Boiler & Welding Co., Inc. at 21971 U.S. Hwy 319 North, Coolidge, Georgia, 31738

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

OneCIS Insurance Company, of Lynn, MA

have inspected the component described in this Manufacturer's Data Report on January 15, 2015

and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel 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 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 01/15/2015

Signed

[Signature]
(Authorized Inspector)

Commissions

13637A

[National Board (incl. endorsements)]