

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

83168

1. Manufactured and certified by Milwaukee Boiler, 1101 S. 41st St., Milwaukee, WI 53215
(Name and address of manufacturer)

2. Manufactured for Wisconsin Gas Co., 626 E. Wisconsin Ave, Milwaukee, WI 53201
(Name and address of purchaser)

3. Location of installation not known
(Name and address)

4. Type Horiz. 923 83168 A-1 4553 1988
(Horiz. or vert. tank) (Mfr's serial No.) (ICRN) (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 1986
Year

to 1986 Winter
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA516-70 2 3/4" 1/16" 7'0" 15'3"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Cor Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: welded dbl butt full 100 1100 3 wlded dbl butt full 3
Long. (Welded, DM, Sngl., Lap, Butt) R.T. (Spot or Full) EN (%) H.T. Temp. (F) Time (hr) Girth (Welded, Obl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Mat'l. SA516 Gr. 70 (b) Mat'l. _____
(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)	<u>ends</u>	<u>2.5"</u>	<u>1/16</u>			<u>2:1</u>				<u>concave</u>
(b)										

If removable, bolts used (describe other fastenings) SA193 B-7 - Quan. 24 Size 1" NC
(Mat'l. Spec. No., Gr. Size, No.)

9. MAWP 1000 psi at max. temp. 120 °F
 Min. design metal temp. -20 °F at 1000 psi. Hydro. 1500 test pressure psi.

10. Nozzles, inspection and safety valve openings: Safety valves not provided by Milwaukee Boiler Mfg. Co.

Purpose (Inlet, Outlet, Drain)	No.	Diam or Size	Type	Mat'l.	Nom Thk	Reinforcement Mat'l.	How Attached	Location
<u>insp.</u>	<u>1</u>	<u>16" ID</u>	<u>forgng</u>	<u>SA105</u>	<u>4 3/4"</u>	<u>-</u>	<u>welded</u>	<u>head</u>
	<u>3</u>	<u>2"</u>	<u>NPT</u>	<u>SA105</u>	<u>3000</u>			<u>Shell</u>
	<u>5</u>	<u>3/4"</u>	<u>NPT</u>	<u>SA105</u>	<u>3000</u>			<u>Shell</u>

11. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(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: _____
(Name of part, item number, Mfr's name and identifying stamp)

CERTIFICATE OF SHOP 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. <u>440</u> expires <u>January, 1989</u> . Date <u>9-21-88</u> Co. name <u>Milwaukee Boiler Mfg. Co.</u> Signed <u>John E. Wilber</u> <small>(Manufacturer) (Representative)</small>	
CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>Milwaukee Boiler Mfg. Co.</u> at <u>Milwaukee, WI</u>	
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 <u>Wisconsin</u> and employed by <u>Hartford Steam Boiler & Inspection Co.</u>	
have inspected the component described in this Manufacturer's Data Report on <u>September 21</u> , 19 <u>88</u> , 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 a loss of any kind arising from or connected with this inspection.	
Date <u>9-21-88</u> Signed <u>[Signature]</u> <small>(Authorized Inspector)</small>	Commissioned <u>[Signature]</u> <small>(Nat'l Board (incl. endorsements), State, Prov. and No.)</small>