

**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**

1. Manufactured and certified by TAYLOR-WHARTON, 4075 HAMILTON BLVD., THEODORE, AL. 36590-0568  
(Name and address of manufacturer)

2. Manufactured for N/A  
(Name and address of purchaser)

3. Location of installation NOT KNOWN; BUILT FOR STOCK  
(Name and address)

4. Type VERTICAL TANK DM 1500 C2934 N/A D2200854M 26289 1995  
(Horiz. or vert. tank) (Mfg'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. Year 1992

to 1994 N/A LOW TEMPERATURE ULT-115  
Addenda (Late) Code Case Nos. Special Service per UG-120(d)

6. Shell SA553 GR. 1 .339" 0" 5'-0.25" 8'-9.31"  
Mat'l (Spec. No. Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams TYPE 1 FULL 100% N/A N/A TYPE 2 FULL 1  
Long. (Welded Dbl. Singl. Lap. Butt) R.T. (Spot. Partial) Eff. (%) H.T. Temp. (F) Time (hr) Girth (Welded Dbl. Singl. Lap. Butt) R.T. (Spot. Partial or Full) No. of Courses

8. Heads (a) Mat'l SA353 (b) Mat'l N/A  
(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>TOP&amp;BOT.</u>	<u>.321"</u>	<u>0"</u>	<u>N/A</u>	<u>N/A</u>	<u>2:1</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>CONCAVE</u>
(b) <u>N/A</u>									

If removable, bolts used (describe other fastenings) N/A  
(Mat'l Spec. No. Gr. Size No.)

9. MAWP 250 psi at max. temp. +100 °F  
 Min. design metal temp. -320 °F at 250 psi. Hydro., pneu., or comb. test pressure HYDRO 424 psi.

10. Nozzles, inspection and safety valve openings

Purpose (inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l	How Attached	Location
<u>INLET/OUTLET 3</u>	<u>3</u>	<u>1.00"</u>	<u>w.e.</u>	<u>SA312T-304</u>	<u>.250"</u>	<u>NOZZLE</u>	<u>WELDED</u>	<u>HEAD</u>
<u>INLET/OUTLET 1</u>	<u>1</u>	<u>1.12"</u>	<u>w.e.</u>	<u>SA479T-304</u>	<u>.250"</u>	<u>NOZZLE</u>	<u>WELDED</u>	<u>HEAD</u>
<u>INSTR./TRYCOCK 3</u>	<u>3</u>	<u>.75"</u>	<u>w.e.</u>	<u>SA479T-304</u>	<u>.250"</u>	<u>NOZZLE</u>	<u>WELDED</u>	<u>HEAD</u>
<u>INLET/OUTLET 2</u>	<u>2</u>	<u>2.50"</u>	<u>w.e.</u>	<u>SA312T-304</u>	<u>.552"</u>	<u>NOZZLE</u>	<u>WELDED</u>	<u>HEAD</u>

11. Supports: Surt. NO Lugs N/A Legs N/A Other STRAPS Attached WELDED TO SHELL  
(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: N/A  
(Name of part, item number, Mfg's name and identifying stamp)

**UT EXAMINATION PER UW-11(a)(7), FOR NON-CORROSIVE SERVICE PER UG-46(a).  
 SERVICE RESTRICTED TO OPER. TEMPS; LN<sub>2</sub> -255°F, LO<sub>2</sub> -224°F, LAR -230°F  
 IMPACT TESTED PER UHT-6. HYDRO TESTED VERTICAL. NOZZLES IMPACT EXEMPT PER UHA-51.**

**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. 13617 expires 17 OCT. 19 97  
 Date 12-12-95 Co. Name TAYLOR-WHARTON Signed [Signature]  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by TAYLOR-WHARTON at THEODORE, AL  
 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 MISSISSIPPI and employed by KEMPER NATIONAL INSURANCE COMPANIES  
12 DECEMBER 95  
 have inspected the component described in this Manufacturer's Data Report on 12 DECEMBER 95 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 12-30-95 Signed [Signature] NB. 9834."A"MS. 1720.PA. 3195.OHIO.  
(Authorized Inspector) (Commissions) (Nat'l. Board (incl. endorsements), State, Prov. and No.)