

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 UNION CARBIDE CORP., ENGINEERING PRODUCTS DIVISION UCAR-833
4075 HAMILTON BLVD., THEODORE, ALABAMA 0568-36590

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 TM1500-C 1751 N/A D616466 AM 5522 1984
(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 1983
Year

to Summer 1983 1670 LOW TEMPERATURE ULT-115
Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA-553 GR 1 .339" 0 60.25" 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: WLD, SNGL, BUTT FULL 100 N/A N/A WLD, SNGL, BUTT FULL 1
Long (Welded, Dbl. Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (F) Time (hr) Girth (Welded, Dbl. Sngl., Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses

8. Heads: (a) Mat'l. SA-353 (Spec. No., Grade) (b) Mat'l. N/A (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	.321"	0	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE
(b)	BOTTOM	.321"	0	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE

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. temp. (when less than 20°F) -320 °F Hydro., pneu., or comb. test pressure HYDRO 429 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
OUTLET	3	1.0"	Pipe	SA312T-304	.250"	NOZZLE	WELD	HEAD
INLET/OUTLET	2	1.5"	"	"	.400"	"	"	"
INSTRUMENT	3	0.75"	DrBar(STOCK)	SA479T-304	.250"	"	"	"

11. Supports: Skirt NO Lugs N/A Legs N/A Other STRAPS Attached WELDED TO SHELL
(Yes or 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.; LN₂ -255°F, LO₂ -225°F, LAR -230°F, HYDRO TEST-VERTICAL.

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 OCT. 20, 1985
 Date 2/20/84 Co. name UNION CARBIDE ENGR. PROD. DIV. signed May Staffle
(Manufacturer) (Inspector)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by UNION CARBIDE CORP. ENGR. PROD. DIV. at THEODORE, ALABAMA
 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 Arkansas and employed by COMMERCIAL UNION INSURANCE COMPANY have inspected the component described in this Manufacturer's Data Report on FEBRUARY 20, 19 84, 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 4-11-84 Signed Samuel Flood Commissions NB-9834, ARK., 935
(Authorized Inspector) (National Board and employments, State, Prov. and No.)