

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

1. Manufactured by Sauder Industries Inc., 220 Weaver St., Emporia, Ks. 66801
 (Name and address of Manufacturer)

2. Manufactured for Stone & Webster Engineering One Penn Plaza, New York, New York 1001
 (Name and address of Purchaser)

3. Type Vert Vessel No. (137370) (Mfrs. Serial) (State & State No.) Natl. Bd. No. 2799 Yr. Built 1974
 (Horiz. or Vert.)

4. SHELL: Matl. SA 387 C T.S. 60,000 Nom. Thk. 2.25 in. Allow. 125 in. Diam. 7 Ft. 0 In. Length 18 Ft. 6 In.
 (Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long DBL Butt H.T. Yes * R.T. Comp Sectioned No Efficiency 100 %
 (Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
 Girth DBL Butt H.T. Yes * R.T. Comp Sectioned No No. of Courses 2

6. HEADS: (a) Material SA 387 C T.S. 60,000 (b) Material SA 387 C T.S. 60,000
 Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)
 (a) Top 2.25 Min 2:1 Concave
 (b) Bottom 2.25 Min 2:1 Concave

If removable, bolts used _____ Other fastening Welded to Shell
 (Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 545 psi at max. temp. 932 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Pneumatic Test Press 1167 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number _____ Size _____ Location _____

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>Conn</u>	<u>4</u>	<u>10"</u>	<u>Pipe</u>	<u>SA 335-P11</u>	<u>.500</u>	<u>SA 387 C</u>	<u>Welded</u>
<u>Conn</u>	<u>1</u>	<u>3"</u>	<u>Pipe</u>	<u>SA 335 P11</u>	<u>.438</u>	<u>SA 387 C</u>	<u>Welded</u>

10. INSPECTION Manholes, No. 2 Size 18" Location Shell
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt Yes Lugs _____ Legs _____ Other _____ Attached Shell, Welded
 (Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS (List applicable special services in accordance with UG-120(d)): Rich Gas Reactor TAG: 1203-B
P.O. # 12324-A1-6
Conn 1 1.5000" Pipe SA 335-P11 .400 Welded

HF: - 2 hours 15 minutes at 1350 Degrees Fahrenheit.

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.
 If postweld heat-treated.
 List other internal or external pressures with coincident temperature when applicable.

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 I.

Date April 2 19 74 Signed Sauder Industries Inc. By Robert A. Childress
 (Manufacturer)

Certificate of Authorization No. 4493 Expires December 31, 1975

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Sauder Industries Inc. at Emporia, Ks.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province Mass and employed by Commercial Union Ins. Co. of Boston, Mass have inspected the pressure vessel described in this manufacturer's data report on 11-20 1974, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel 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 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 11-20 19 74
E. J. Childress Inspector's Signature
 Commissions NIB-1354
 Nat'l Board, State, Province and No.