

9014

FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
As Required by the Provisions of the A.S.M.E. Code Rules

- 1. Manufactured by **WYATT METAL & BOILER WORKS, Houston, Texas**
- 2. Manufactured for **Monsanto Chemical Company, Texas City, Texas**
(Name and address of the purchaser)
- 3. Type **Vertical** Unfired Pressure Vessel No. (**E-6567-53**) (**Texas 33**) Year built **1953**
(Horizontal or Vertical) (Serial No.) (State and State No.)
- 4. Have mill test reports been checked on all the plates entering this unfired pressure vessel. **Yes**
Do the chemical and physical properties of all plates meet the requirements of the Code. **Yes**
- 5. SHELL OR DRUMS: No. **1** Diameter **3** ft **6-1/2** in. Length over all **12** ft **6** in. Height **12** ft **6** in.
(or width)
- 6. STAMPS on shell plates. **SA-240 Gr. B, T-316** Rivets, stays and braces. **welded.**
(Brand and lowest tensile strength) (Iron or Steel)
- 7. SHELL PLATES **1/4** in. Butt Straps **1/4** in. Style of seams: Longitudinal **Double butt girth** **Double butt**
(Outer Thickness) (Thickness) (Riveted, Forge Welded, Braised, or Fusion Welded - Par. No.)
- 8. Diameter of rivet holes **1/4** in. Pitch of rivets **1 1/2** in. Efficiency of joint **90** %
- 9. GIRTH JOINTS. Diameter rivet holes **1/4** in. Pitch of rivets **1 1/2** in. No. of courses **9**
(Single or double riveted)
- 10. INNER SHELL. Style of seams: Longitudinal **Double butt girth** Length of section or course **12** ft **6** in.
(Thickness) (Riveted, Forge Welded, Braised, or Fusion Welded - Par. No.)
- 11. HEADS: **Concave** **1/4** in. Radius of dish **40** in. Side to pressure **Concave**
(Thickens) (Concave or convex)

If removable, bolts used _____ or method of fastening **Welded I.S. & O.S.**
(Number and size) (Describe or sketch)

STAYS	No.	Size	Net Area	Welded or Weldless	Area to be Stayed	Maximum Allowable Working Pressure
(a) F. H.						
(b) R. H.						
(c) Through						
(d) Diagonal and Gusset Stays						

- 13. STAYBOLTS. If hollow _____ 14. Maximum pitch _____ in.
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)
- 15. SAFETY VALVE outlets: No. **1** Size **1"**
- 16. FUEBLE PLUG (if used): No. _____ Diameter and material of filling _____ Location _____
- 17. OUTLETS: No. **2** Size **3"** No. **2** Size **2"** No. **2** Size **1"**
6 - 3/4" Coup. **3 - 1" Coup.** **SA-240 Gr. B** **Welded** How attached **Welded I.S. & O.S.**
No. **1** Size **1 1/2"** Material of nozzle or reinforcement (Riveted, welded, etc.)
- 18. DRAIN connection **3** in. HAND HOLES OR SIGHT HOLES. **2 - 12" in Shell.**
(Size) (Number, size and location)
- 19. MANHOLES: **3** **18"** **2 - Shell** Reinforcement. **Pad and welded I.S. & O.S.**
(Number) (Size and location of each) (Riveted, welded, etc.)
- 20. Nonpressure parts: (a) Supporting lugs, No. _____ Supporting skirts **SA-283 Gr. C, & A-240 Gr. B**
(b) Other nonpressure parts. Kind and number _____
(c) Where and how attached **Welded bottom head.**
- 21. Bursting pressure **727** lb. per sq. in. Hydrostatic test **90** lb.
- 22. Constructed for pressure of **45** lb. per sq. in. Factor of safety **5**

REMARKS: _____
(Vessel to be used for air, gas, ammonia, etc.)

We certify the above data to be correct and that all details of material and construction and workmanship on this unfired pressure vessel conform to the A.S.M.E. Code for Unfired Pressure Vessels. **1953**

Dated _____ 19 _____ Signed **WYATT METAL & BOILER WORKS.** By **F. J. Rowell**
(Manufacturer) (Date)

Certificate of Authorization Expires **December 31, 1953**

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number 13700

Vessel Made by WYATT METAL & BOILER WORKS at Houston, Texas

I, the undersigned, holding a certificate of competency as an inspector of pressure vessels in THE STATE OF Texas, and employed by the Hartford Steam Boiler Insurance & Inspection Company of Conn., inspected internally and externally, the vessel specified in this report, on

FEB 21 1953 19....., and certify that the statements made on this report are correct, corresponding with the mill test reports of material as furnished by the builders, and measurements made of the vessel when completed; and that this vessel is constructed in accordance with the A.S.M.E. Code Rules for the Construction of Unfired Pressure Vessels.

[Handwritten Signature]
Inspector for State or Boiler Insurance Company.

Nat'l. Board No. 1195
Texas Commission No. 33

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, inspector of pressure vessels employed by.....

of....., have compared the statement in this manufacturer's data report with the completed vessel and certify that parts referred to as data items..... not included in the certificate of shop inspection, are in accordance with the requirements of the A.S.M.E. Code for Unfired Pressure Vessels. The completed vessel was inspected and subjected to a hydrostatic test of.....psi.

Date....., 19..... Inspector..... Commissions..... State or Nat'l. Board, and No.....