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# MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

As Required by the Provisions of the A. S. M. E. Code Rules and National Board

1. Manufactured by FLINT STEEL CORPORATION, MEMPHIS, TENNESSEE O # 3598  
(Name and address of the manufacturer)

2. Manufactured for Penns. Lumber Corporation Longview, Texas  
(Name and address of the purchaser)

3. Type Horizontal Unfired Pressure Vessel No. 8594 (Mfrs. serial No.) (State and State No.) 18612 (Nat. Board No.) Year built 1951  
(Horizontal or Vertical)

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. \_\_\_\_\_ Diameter 8 ft. 30 in. Length over-all 67 ft. 1 in. Height \_\_\_\_\_ ft. \_\_\_\_\_ in.  
(or width)

6. STAMPS on shell plates S4212-70000 Rivets, stays, and braces \_\_\_\_\_ (Iron or steel)  
(Brand and Lowest Tensile Strength)

7. SHELL PLATES .96 in. Butt straps \_\_\_\_\_ in. Style of seams: Longitudinal PW per U69 Girth PW per U69  
(Outer Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)

8. Diameter of rivet holes \_\_\_\_\_ in. Pitch of rivets X X Efficiency of joint 80 %

9. GIRTH JOINTS \_\_\_\_\_ Diameter rivet holes \_\_\_\_\_ in. Pitch of rivets \_\_\_\_\_ in. No. of courses 8  
(Single or double riveted)

10. INNER SHELL \_\_\_\_\_ in. Style of seams: Longitudinal \_\_\_\_\_ Girth \_\_\_\_\_ Length of section x course \_\_\_\_\_ ft. \_\_\_\_\_ in.  
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)

11. HEADS: Flat or dished .77 in. Radius of dish Ellipsoidal Side to pressure Concave  
(Thickness) (Concave or convex)

If removable, bolts used \_\_\_\_\_ or method of fastening PW per U69 double butt weld  
(Number and size) (Describe or sketch)

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

13. STAYBOLTS \_\_\_\_\_ If hollow \_\_\_\_\_ 14. Maximum pitch \_\_\_\_\_ Diameter \_\_\_\_\_ in.  
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)

15. SAFETY VALVE OUTLETS: No. 2 Size 4" flanged

16. FUSIBLE PLUG (if used): No. 1-6" nozzle Diameter and material of filling \_\_\_\_\_ Location \_\_\_\_\_

17. OUTLETS: No. 3 Size 2-4" nozzle Material of nozzle or reinforcement \_\_\_\_\_ How attached welded  
4-2" nozzle 1-1" nozzle (Riveted, Welded, etc.)

18. DRAIN CONNECTION 2 in. HAND HOLES OR SIGHT HOLES \_\_\_\_\_ (Number, size, and location)

19. MANHOLE: 1 17" ID Top Center shell Reinforcement FL 30 5/8" OD x 1" x 19" ID FG  
(Number) (Size and location of shell) (Riveted, Welded, etc.) Welded  
2 welded split cradles

20. NONPRESSURE PARTS. (a) Supporting lugs 2 Supporting skirts \_\_\_\_\_ (b) Other nonpressure parts \_\_\_\_\_ (Kind and number)  
(c) Where and how attached welded to bottom shell 1/2" wear PL.

21. Bursting pressure 1000 psi Hydrostatic test 400 lb. 22. Constructed for pressure of 200 psi Factor of safety 5

Remarks: Approved Unfired Petroleum Use  
(Vessel to be used for air, gas, ammonia, etc.)

30,000 gallon Water Capacity  
We certify the above data to be correct and that all details of material, construction, and workmanship on this unfired pressure vessel conform to the A.S.M.E. Code for Unfired Pressure Vessels.

Date 11-28-51 Signed \_\_\_\_\_ by [Signature]  
(Manufacturer)

(No. 72) December 31