

6055

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 Bethlehem Steel Company, Bethlehem, Penna.
- 2. Manufactured for Indiana Gas & Water Co., Lafayette, Indiana
- 3. Type Horizontal Unfired Pressure Vessel No. (IS Co. 1734) (No. 1302) Year built 1951
- 4. Have mill test reports been checked on all the plates entering this unfired pressure vessel. Yes
- 5. SHELL OR DRUMS: No. 1 Diameter 8 ft. 20 in. Length over-all 67 ft. 1/2 in. Height 0 ft. 0 in.
- 6. STAMPS on shell plates Grade B Pk. (Brand and Lowest Tensile Strength) 70,000 psi Boiler Grade A135 or A175 Boiler Grade A135 or A175
- 7. SHELL PLATES 0.75 in. Butt straps 0.75 in. Style of seams: Longitudinal Transverse Diagonal
- 8. Diameter of rivet holes 0.875 in. Pitch of rivets 2 in. Efficiency of joint 80 %
- 9. GIRTH JOINTS 0 Diameter rivet holes 0.875 in. Pitch of rivets 2 in. No. of courses 7
- 10. INNER SHELL 0.75 in. Style of seams: Longitudinal Transverse Diagonal Length of section or course 0 ft. 30-1/2 in.
- 11. HEADS: Flat or dished 0.77 min. in. Radius of dish 111 in. Side to pressure Concave

If removable, bolts used 0 or method of fastening 0

STAYS	No.	Size	Net Area	Welding or Riveting	Area to be Stayed	Maximum Allowable Working Pressure
(a) F. H.	0					
(b) R. H.	0					
(c) Through	0					
(d) Diagonal and Gusset Stays	0					

- 13. STAY BOLTS: 0 If hollow 0 (Size of hole) 14. Maximum pitch 0 in. (Horizontal) 0 in. (Vertical)
- 15. SAFETY VALVE outlets: No. 0 Size 0
- 16. FUSIBLE PLUG (if used): No. 0 Diameter and material of filling 0 Location 0
- 17. OUTLETS: No. 3 Size 3/4 in. Material of nozzle or reinforcement CRS Steel How attached Welded
- 18. DRAIN CONNECTION 0 in. HAND HOLES OR SIGHT HOLES 0 (Number, size, and location)
- 19. MANHOLES: 1 18" ID, In Shell Reinforcement 3/8" x 0.75" Plate, Welded End
- 20. NONPRESSURE PARTS: (a) Supporting lugs 0 Supporting skirts 0 (b) Other nonpressure parts 0
- 21. Bursting pressure 1000 psi Hydrostatic test 400 lb 22. Constructed for pressure of 0 psi Factor of safety 5

Remarks: Vessel to be used for Propene Storage; 30,000 Gal. Capacity
Certificates of Authorization Expires December 31, 1952

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 August 17, 1951 Signed Bethlehem Steel Company by O. J. Johnson
(Manufacturer)