

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 Pathebon Steel Company, Bethlehem, Pa.
(Name and address of the manufacturer)
2. Manufactured for Council Bluffs Gas Co., Council Bluffs, Iowa (UPV-572 10-223)
(Name and address of the purchaser)
3. Type Horizontal Unfired Pressure Vessel No. (3500-1027) (1948 Pa 790) Year built 1948
(Horizontal or Vertical) (Mfr.' serial, or A.S.M.E. 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 8 ft. 10 in. Length over all 57 ft. 0 in. Height 7 ft. 0 in.
(or width) Grade "B" P.B.
6. STAMPS on shell plates SA 212, 70,000 Rivets, stays, and braces Double Bevel Butt (Iron or steel) Double Bevel Butt
(Brand and Lowest Tensile Strength) Flusion Welded U69 Girth Flusion Welded U69
(Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
7. SHELL PLATES 0.5 in. Butt straps 0.5 in. Style of seams: Longitudinal Flusion Welded U69 Girth Flusion Welded U69
(Outer Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
8. Diameter of rivet holes 0.5 in. Pitch of rivets X X Efficiency of joint 80 %
9. GIRTH JOINTS 0.5 in. Diameter rivet holes 0.5 in. Pitch of rivets X No. of courses 1
(Single or double riveted)
10. INNER SHELL 0.5 in. Style of seams: Longitudinal Flusion Welded U69 Girth Flusion Welded U69 Length of section or course 8 ft. 10 in.
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
11. HEADS Elliptical or dished 0.75 in. Radius of dish Elliptical in. Side to pressure Concave
(Thickness) (Convex or concave)
- If removable, bolts used None or method of fastening None
(Number and size) (Describe or sketch)

STAYS	No.	Size	Net Area	Welded or Riveted	Attachment	Maximum Allowable Working Pressure
(a) F, H,						
(b) R, H						
(c) Through						
(d) Diagonal and Gusset Stays						

13. STAYBOLTS None If hollow None 14. Maximum pitch None
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)

15. SAFETY VALVE outlets: No. None Size None
16. FUSIBLE PLUG (if used): No. None Diameter and material of filling None Location None
17. OUTLETS: No. 2 Size 2" Material of nozzle or reinforcement Forged Steel How attached Welded
(Riveted, Welded, etc.)
18. DRAIN connection None in. HAND HOLES OR SIGHT HOLES None
(Size) (Number, size, and location)
19. MANHOLES: 1 18" Dia Top Reinforcement Welded
(Number) (Size and location of each) (Riveted, Welded, etc.)
20. NONPRESSURE PARTS (a) Supporting lugs None Supporting skirts None (b) Other nonpressure parts None
(Number) (Kind and number)
- (c) Where and how attached None
21. Bursting pressure 1000 psi Hydrostatic test 400 lb 22. Constructed for pressure of 100 psi Factor of safety 10

Remarks: Vessel to be used for propane storage
(Vessel to be used for air, gas, ammonia, etc.)
Welder tested at 300 lbf.

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.

By Pathebon Steel Company Signed Pathebon Steel Company (Manufacturer)
Date Oct 12 1948 at Bethlehem, Pa.

By J. H. Pennington (Inspector)

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CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number T-165-48-161

VESEL MADE BY Bathlehem Steel Co. at Bethlehem, Pa.

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in THE STATE OF Pennsylvania, and employed by the Employers Indemnity Co.

of Hartford, Conn., inspected internally and externally, the vessel specified in this report, on June

24, 1937, and certify that the statements made on this report are correct, corresponding with the mill test reports of material as furnished by the builder, 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.

R. A. H. [Signature]

N. E. 2420, N. Y. 1220, Pa. 1277

Inspector for State or Boiler Insurance Company.