

BSCo Order HA 11429 (#16) for United Petroleum Gas Co. Order B-5860
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, Pa.
(Name and address of the manufacturer)
2. Manufactured for Council Bluffs Gas Co., Council Bluffs, Iowa (UPG-540-30-ES)
(Name and address of the purchaser)
3. Type Horizontal Unfired Pressure Vessel No. (BSCo. 1030) (Net'l Bd 793) Year built 1948
(Horizontal or Vertical) (Mfrs. 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 1/2 in. Height — ft. — in.
 Grade "B" P.B. (or width)
6. STAMPS on shell plates SA 212, 70,000 Rivets, stays, and braces —
(Brand and Lowest Tensile Strength)
7. SHELL PLATES .96 in. Butt straps — in. Style of seams: Longitudinal Double Bevel Butt (Iron or steel) Double Bevel Butt
(Outer Thickness) (Thickness) (Riveted, Forge Welded, Braised, or Fusion Welded—Par. No.)
8. Diameter of rivet holes — in. Pitch of rivets X Efficiency of joint 80 %
9. GIRTH JOINTS — Diameter rivet holes — in. Pitch of rivets — in. No. of courses 7
(Single or double riveted)
10. INNER SHELL — in. Style of seams: Longitudinal — Girth — Length of section or course 8 ft. 10 9/16 in.
(Thickness) (Riveted, Forge Welded, Braised, or Fusion Welded—Par. No.)
11. HEADS — or dished .77 in. Radius of dish Elliptical Side to pressure Concave
(Thickness) (Concave or convex)
- If removable, bolts used — or method of fastening —
(Number and size) (Describe or sketch)

STAYS	Al 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. STAY BOLTS	If hollow	Size	14. Maximum pitch			
(Iron or Steel)	(Size of hole)		(Horizontal) (Vertical) (Over the threads)			
15. SAFETY VALVE outlets: No. <u>—</u> Size <u>—</u>						
16. FUSIBLE PLUG (if used): No. <u>—</u> Diameter and material of filling <u>—</u> Location <u>—</u>						
17. OUTLETS: No. <u>2</u> Size <u>2"</u> Material of nozzle or reinforcement <u>Forged Steel</u> How attached <u>Welded</u> <small>(Riveted, Welded, etc.)</small>						
18. DRAIN CONNECTION <u>3</u> in. HAND HOLES OR SIGHT HOLES <u>—</u> <small>(Size) (Number, size, and location)</small>						
19. MANHOLES: <u>1</u> <u>18" Dia Top</u> Reinforcement <u>.96" Welded Pad</u> <small>(Number) (Size and location of each) (Riveted, Welded, etc.)</small>						
20. NONPRESSURE PARTS: (a) Supporting lugs <u>—</u> Supporting skirts <u>—</u> (b) Other nonpressure parts <u>—</u> <small>(Number) (Kind and number)</small>						
(c) Where and how attached <u>—</u>						
21. Bursting pressure <u>1003</u> psi Hydrostatic test <u>400</u> lb 22. Constructed for pressure of <u>200</u> psi Factor of safety <u>5</u>						

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

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 31, 1948 Signed Bethlehem Steel Company
 Certificate of authorization expires Dec. 31, 1948.
 R. J. Pennington

Manufactured by
Name and address of the manufacturer
Name and address of the purchaser
Name and address of the contractor
Name and address of the inspector
Name and address of the user
Name and address of the owner
Name and address of the lessee
Name and address of the purchaser
Name and address of the contractor
Name and address of the inspector
Name and address of the user
Name and address of the owner
Name and address of the lessee

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number T-165-48-164

VESEL MADE BY Bethlehem 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 Travelers Indemnity Co.

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

28, 1948 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.

O. C. Kurtz
O. C. Kurtz

N.B. 2606, N.Y. 1455, Pa. 1489
Inspector for State or Boiler Insurance Company.

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