

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

ALS 3036

Council Bluffs

1. Manufactured by BETHLEHEM STEEL COMPANY, BETHLEHEM, PA.
(Name and address of the manufacturer)
 2. Manufactured for Council Bluffs Gas Co., Council Bluffs, Iowa
(Name and address of the purchaser)
 3. Type Horiz. Unfired Pressure Vessel No. (BSCo. 1847) (N.B. 1415) Year built 1951
(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 67 ft. 0-1/2 in. Height - ft. - in.
(for width) A212 Gr. B Fbx. Buts-A 194 Cl. 2
 6. STAMPS on shell plates 70,000 Rivets, stays, and braces Buts-A 193 Gr. B7
(Brand and Lowest Tensile Strength) Double Welded Butt Double Welded Butt
 7. SHELL PLATE 0.96 in. Butt straps - in. Style of seams: Longitudinal Fusion Weld. U-69 Girth Fusion Welded U-69
(Plate 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 7
(Single or double riveted)
 10. INNER SHELL - in. Style of seams: Longitudinal - Girth - Length of section or course 8 ft. 10-7/16 in.
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
 11. HEADS: Flat or dished 0.77 in. Radius of dish Ell. in. Side to pressure Concave
(Thickness) (Concave or convex)
- If removable, bolts used - or method of fastening -
(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	-	-	-	-	-	-

12. STAYBOLTS: - If hollow - 14. Maximum pitch - X - Diameter - in.
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)
15. SAFETY VALVE outlets: No. - Size -
16. FILLING PIPE (if used): No. (1) 3/4 Diameter and material of filling - Location -
17. OUTLETS: No. 2 Size (1) 2-1/2 Material of nozzle or reinforcement Steel How attached Welded
(Riveted, Welded, etc.)
18. DRAIN CONNECTION 3 in. HAND HOLES OR STORM HOLES -
(Size) (Number, size, and location)
19. MANHOLES: 1 18" In Shell Reinforcement 0.96 Pad welded to shell
(Number) (Size and location of each) (Riveted, Welded, etc.)
20. NONPRESSURE PARTS (a) Supporting lugs 4 Welded to shell Supporting skirts - (b) Other nonpressure parts 6 Ladder & plat. lugs
(c) Where and how attached 4 Shipping lugs
(Kind and number)
21. Bursting pressure 1002 psi Hydrostatic test 400 lb 22. Constructed for pressure of 250 psi Factor of safety 4 (ASME 1950)

Remarks: Vessel complies with ASME 1949 U-69 and also ASME 1950 codes
(Vessel to be used for air, gas, ammonia, etc.)
Vessel to be used for propane storage. Hammer tested at 3137.

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: 11-5-51 Signed: BETHLEHEM STEEL COMPANY M. T. Smith
Certificate of authorization expires Sept 31, 1952 M. T. Smith

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number **T-26-51-319**

VESSEL 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 **11-5-51**

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.

R. H. Boggs

N.B.183 Pa.17

R.H. Boggs
Inspector for State of Boiler Insurance Company.
Ohio 310