

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

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 (UPG-54/-30-RES)
(Name and address of the purchaser)
3. Type... Horizontal Unfired Pressure Vessel No. (..... B300. 1023.....) (Nat'l B4 786) 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..... 67 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) Double Bevel Butt (Iron or steel) Double Bevel Butt
7. SHELL PLATES..... 96 in. Butt straps..... in. Style of seams: Longitudinal..... Fusion Welded, U69 Girth..... Fusion Welded, 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..... 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, Brazed, or Fusion Welded—Par. No.)
11. HEADS: ELL or dished..... 77 in. Radius of dish..... Elliptical in. Side to pressure..... Concave
(Thickness) (Concave or convex)
- If removable, bolts used..... or method of fastening.....
(Number and size) (Describe or sketch)

CERTIFICATE OF SHOP INSPECTION

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

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13. STAY BOLTS..... If hollow..... 14. Maximum pitch.....
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)
15. SAFETY VALVE outlets: No..... Size.....
16. FUSIBLE PLUG (if used): No..... Diameter and material of filling..... Location.....
17. OUTLETS: No..... 2..... Size..... 2 1/2"..... Material of nozzle or reinforcement..... Forged Steel..... How attached..... Welded
(Riveted, Welded, etc.)
18. DRAIN CONNECTION..... 3 in. HAND HOLES OR SIGHT HOLES.....
(Size) M.H. Cover 25"OD, 2 3/16", 16 Bolt H 1 1/2" (Number, size, and location)
19. MANHOLES: 1..... 18" Dia Top Reinforcement..... 96" Welded Pad
(Number) (Size and location of each) (Riveted, Welded, etc.)
20. NONPRESSURE PARTS. (a) Supporting lugs..... Supporting skirts..... (b) Other nonpressure parts.....
(Number) (Kind and number)
(c) Where and how attached.....
21. Bursting pressure..... 1000 psi Hydrostatic test..... 400 lb 22. Constructed for pressure of..... 200 psi Factor of safety..... 5

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

As prepared by the provisions of the A.S.M.E. Code Rules

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number T-100-10-157

VESEL MADE BY Douglas Steel Co. at St. Louis, Mo.

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

18 1918, 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.A. Agnew

Inspector for State or Boiler Insurance Company.