

BSCo. CD 7317 (T-9) for Anco Mfg. & Supply Co.
FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
 As Required by the Provisions of the A.S.M.E. Code Rules

ALS 3436

1. Manufactured by BETHLEHEM STEEL COMPANY, BETHLEHEM, PA. T-26-52-158
(Name and address of the manufacturer)
2. Manufactured for Orded. of Anco Mfg. & Supply Co., Council Bluffs, Iowa
(Name and address of the purchaser)
3. Type Horizontal Unfired Pressure Vessel No. (BSCo. 2121) (N.B. 1625) Year built 1952
(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 67 ft. 0-1/2" in. Height 7 ft. 10 in.
(or width)
6. STAMPS on shell plates A212 70,000 Rivets, stays, and braces Nuts -A194 Cl. 2
(Brand and Lowest Tensile Strength) (Iron or steel)
7. SHELL PLATES: 0.96 in. Butt straps 0.96 in. Style of seams: Longitudinal Double welded butt Girth Double welded butt
(Plate Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Par. No.)
8. Diameter of rivet holes 0.96 in. Pitch of rivets 1.5 in. Efficiency of joint 80 %
9. GIRTH JOINTS 0.96 in. Diameter rivet holes 0.96 in. Pitch of rivets 1.5 in. No. of courses 7
(Single or double riveted)
10. INNER SHELL 0.96 in. Style of seams: Longitudinal Double welded butt Girth Double welded butt 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 0.77 or method of fastening Concave
(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	-	-	-	-	-	-

13. STAY BOLTS: 0.77 If hollow 0.77 14. Maximum pitch 1.5 in.
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)
15. SAFETY VALVE outlets: No. 1 Size 1/2"
16. FUSIBLE PLUG (if used): No. 1 Diameter and material of filling 0.77 Location 0.77
17. OUTLETS: No. 4 Size (1) 3/4" Material of nozzle or reinforcement Steel How attached Welded
(Riveted, Welded, etc.)
18. DRAIN CONNECTION: 0.77 in. HAND HOLES OR STOUT HOLES 0.77
(Size) (Number, size, and location)
19. MANHOLES: 1 18" 3' - 11-1/2" from head seam Reinforcement 0.96" pad welded to shell
(Number) (Size and location of each) (Riveted, Welded, etc.)
20. NONPRESSURE PARTS: (a) Supporting lugs 4 Supporting skirts 3 (b) Other nonpressure parts 2
(Number) (Kind and number)
- (c) Where and how attached 4 lugs, 3 clips, & 2 bars welded to shell 4 shipping lugs
21. Bursting pressure 1002 psi Hydrostatic test 400 lb 22. Constructed for pressure of 250 psi Factor of safety 4

Remarks: 30,000 gal. propane storage tank. Hammer tested at 317#. Constructed to meet ASME 1949 code, Para. U69 for 200# w.p., also complies with Para. U201 for 250 #w.p. and ASME 1950 code, Section VIII for 250# w.p.
(Vessel to be used for all gas, ammonia, etc.)

Certificate of authorization expires 12/31/52

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.

7/31/52 Signed BETHLEHEM STEEL COMPANY M. T. Smith
(Manufacturer) (M. T. Smith)