

**BSCo. CD7319 (T-1) for Anco Manufacturing & 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

11.8.1946

1. Manufactured by **BETHLEHEM STEEL COMPANY, BETHLEHEM, PA.** T-9B-52-213.  
(Name and address of the manufacturer)

2. Manufactured for **Order of Anco Manufacturing & Supply Co., Council Bluffs, Iowa**  
(Name and address of the purchaser)

3. Type **Horizontal** Unfired Pressure Vessel No. (**BSCo. 2186**) (**N.P. 1690**) Year built **1952**  
(Horizontal or Vertical) (Mfr.'s 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. **7** in.  
(or width)

6. STAMPS ON SHELL PLATES **A212** **70,000** Rivets, stays, and braces... **Double welded butt** **Double welded butt**  
(Brand and Lowest Tensile Strength) (Type or steel)

7. SMALL PLATES **0.96** in. Butt straps... in. Style of seams: **Longitudinal** **Double welded butt** **Double welded butt**  
(Plate Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded—Pat. 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. IRON 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—Pat. No.)

11. HEADS **Flat or dished**... 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	Arranged Stayed	Maximum Allowable Working Pressure
(a) F. H.						
(b) R. H.						
(c) Through						
(d) Diagonal and Gusset Stays						

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13. STAYBOLTS... If hollow... 14. Maximum pitch... X... Diameter...  
(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. **4** Size **1 1/2"** Material of nozzle or reinforcement... **Steel** How attached... **Welded**  
(Riveted, Welded, etc.)

18. DRAIN CONNECTION... in. HAND HOLES OR STAY HOLES...  
(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... Supporting skirts... (b) Other nonpressure parts...  
 4 lugs, 3 clips, & 2 bars welded to shell 4 shipping lugs...  
 (c) Where and how attached... 4 clips welded to head 2 centering bars

21. Working 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 313#.** Constructed to meet **ASME 1949**  
 code, para. **UG9** for **200# w.p.**, also complies with para. **UG1** for **250# w.p.** and **ASME 1950** code,  
 section **III** for **250# w.p.**

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.

Date: **9/18/52** Signed: **BETHLEHEM STEEL COMPANY**  
(Manufacturer) **M. T. Smith**  
**M. T. Smith**  
(Inspector)