

BSCo. CD7186 (#4) For Pure Oil 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. (Name and address of the manufacturer)

2. Manufactured for Council Bluffs, Iowa. (Council Bluffs Gas Company.) (Name and address of the purchaser)

3. Type Horizontal Unfired Pressure Vessel No. BSCo. 1846 (N.B. 1414) Year built 1951 (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 Domes: No. 1 Diameter 8 ft. 10 in. Length over-all 67 ft. 0 1/2 in. Height 7 ft. in. (or width) Nuts A194 C1.2

6. Stays on shell plates A212 70,000 Rivets, stays, and braces Bolt A193 Gr. B7 Double Welded Butt or Fusion Welded Double Welded Butt or Fusion Welded (Brand and Lowest Tensile Strength)

7. Shell Plate 0.96 in. Butt straps 1/2 in. Style of seams: Longitudinal U-201 Girth U-201 (Plate Thickness) (Thickness) (Mfr'd, Forge Welded, Brazed, or Fusion Welded—Per. No.)

8. Diameter of rivet holes 7/8 in. Pitch of rivets X in. Efficiency of joint 80%

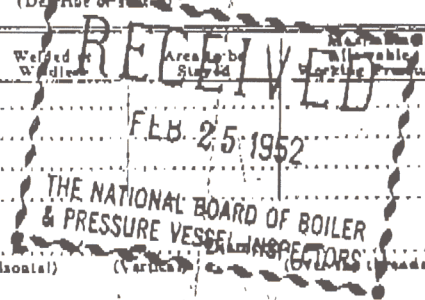
9. Girth Joints Diameter rivet holes 7/8 in. Pitch of rivets 7 in. No. of courses 7 (Single or double riveted)

10. Lower Shell 8 in. Style of seams: Longitudinal Girth 10 7/16 in. Length of section or course 8 ft. (Thickness) (Mfr'd, Forge Welded, Brazed, or Fusion Welded—Per. 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 if removable)

Table with 5 columns: STAYS, No., Size, Net Area, Welded or Walled. Rows (a) F. H., (b) R. H., (c) Through, (d) Diagonal and Gusset Stays.



13. STAY BOLTS If hollow (Size of hole) 14. Maximum pitch (Horizontal) (Vertical)

15. SAFETY VALVE OUTLETS No. Size Location

16. FILLING PIPE (If welded) No. Diameter and material of filling Location

17. OUTLETS No. 2 Size (1) 3/4 (1) 2 1/2 Material of nozzle or reinforcement Steel How attached Welded (Retard, Welded, etc.)

18. DRAIN CONNECTION 3 in. HAND HOLES OR SIGHT 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) (Mfr'd, Welded, etc.)

20. NONPRESSURE PARTS (a) Supporting lugs 4 Welded to Head 4 Shipping Lugs (b) Other nonpressure parts 4 Shipping Lugs (Where and how attached) (Kind and number)

21. Working pressure 1002 psi Hydrostatic test 400 lb 22. Constructed for pressure of 250 psi Factor of safety 4

Remarks: Vessel To Be Used For Propane Storage, Hammer Tested At 3137 (Vessel to be used for alt. gas, ammonia, etc.)

Vessel Constructed To ASME 1949 U-201 Code, Also Complies With ASME 1950

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.

10-31-51 Signed BETHLEHEM STEEL COMPANY M. T. Smith Certificate of Authorization Expires Dec. 31, 1952