

THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY
MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
 Form No. U-1 As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by Downingtown, Iron Works, Inc., Downingtown, Pa.
(Name and address of the manufacturer)

2. Manufactured for United Petroleum Gas Co., For. Nyman-Gordon Co., Harvey, Ill.
(Name and address of the purchaser)

3. Type Horizontal unfired Pressure Vessel No. 2984 / N.B., 2221 Year built 1947
(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 DRUM: No. 1 Diameter 8 ft 10 1/2 in Length over all 36 ft 11 in 2 s. of heads
(for width)

6. STAYS on shell plates 70, 8000 P.S. Rivets, stays and braces Fusion welded (Iron or Steel) Fusion welded
(Brand and lowest tensile strength)

7. SHELL PLATES 957 in. Best shape in. Style of seams: Longitudinal Par. U-89 Girth Par. U-89
(Thickness) (Thickness) (Riveted, Forge Welded, Draped, or Fusion Welded - Par. No.)

8. Diameter of rivet holes in. Pitch of rivets X X Efficiency of joint 80
(Single or double riveted)

9. GIRTH JOINTS in. Diameter rivet holes in. Pitch of rivets in. No. of covers 7
(Single or double riveted)

10. LUGGED SHELL in. Style of seams: Longitudinal Girth Length of section or courses ft in.
(Thickness) (Riveted, Forge Welded, Draped, or Fusion Welded - Par. No.)

11. HEADS: HEMISPHERICAL 2784 in. Radius of head 271 in. Side to pressure CONCRETE
(Thickness) (Concave or convex)

If removable, bolts used or method of fastening (Describe or sketch)

STAYS	No.	Size	Net Area	Welded or Wrought	Area to be Stayed	Material Allowed for Working Pressure
(a) F. H.						
(b) R. H.						
(c) Through						
(d) Diagonal and Gusset Stays						

12. STAYS in. If hollow in. 14. Maximum pitch X Diameter
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the throat)

15. SAFETY VALVE outlets: No. 2 Size 4"

16. FLEXIBLE PLUG (if used) No. 2 Diameter and material of lining 2" 1-1/2", 1", & 3/4" Location in shell

17. OUTLETS: No. 7 Size 2 1/2" Material of nozzle or reinforcement Steel How attached Welded
(Riveted, welded, etc.)

18. DRAIN CONNECTION 3 in. HAND HOLES OR SIGHT HOLES
(Number, size and location)

19. MANHOLES 1 18" dia. in shell Reinforcement Welded
(Number) (Size and location of hole) (Riveted, welded, etc.)

20. NONPRESSURE PARTS (a) Supporting legs Supporting skirts (b) Other nonpressure parts Tank supported by two concrete saddles.
(c) Where and how attached

21. Working pressure 1000 psi Hydrostatic test 300 & 400 in. 22. Constructed for pressure of 200 psi Factor of safety 3.00

Remarks: Tank used for storage of propane gas, max. oper. temp. 850 deg. F.
(Vessel to be used for oil, gas, ammonia, etc.)

We certify the above data to be correct and that all details of material and construction and workmanship on this unfired pressure vessel conform to the A. S. M. E. Code for Unfired Pressure Vessels. (Date of birth expires Jan. 31, 1950)

Date FEB 7 - 1947 Signed Downingtown Iron Works, Inc. by W. F. Egan
(Inspector) V. F. Egan
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