

Form No. U-1 As Required by the Provisions of the A. S. M. E. Code Rule

1. Manufactured by Dowlingtown Iron Works, Inc., Dowlingtown, Pa.
(Name and address of the manufacturer)
2. Manufactured for Phillips Petroleum Company, Bartlesville, Oklahoma
(Name and address of the purchaser)
3. Type Horizontal Unfired Pressure Vessel No. 4880 (N.E. 3835) Year built 1948
(Horizontal or Vertical) (Serial number as shown on tag) (State and Serial No.)
4. Have 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 I.D. 10 in. Length over all 86 ft. 11 in. Height 1 ft. 8 in. (for width)
6. STAMPS on shell plates SA-218-F.B. Rivets, stays and bracks Fusion welded (Iron or Steel)
(Brand and lowest tensile strength)
7. SHELL PLATES 557 in. Butt straps 557 in. Style of seams: Longitudinal Par. U-60 Girth Par. U-60
(Outer) (Thickness) (Thickness) (Riveted, Fusion Welded, Beveled, or Fusion Welded-Par No.)
8. Diameter of rivet holes 1 in. Pitch of rivets X Efficiency of joint 80 %
9. GIRTH JOINTS Diameter rivet holes 1 in. Pitch of rivets X in. No. of courses 7
(Single or double riveted)
10. INNER SHELL 557 in. Style of seams: Longitudinal Par. U-60 Girth Par. U-60 Length of section or course 86 ft. 11 in.
(Thickness) (Riveted, Fusion Welded, Beveled, or Fusion Welded-Par No.)
11. HEADS Concave dished 764 in. Radius to dish 2:1 in. Side to pressure Concave
(Thickness) (Concave or convex)
- If removable, bolts used None or methods of fastening None
(Number and size) (Describe or sketch)

STAYS	No.	Size	Net Area	Welded or Weldless	Area in or around	Remarks
(a) F. H.						
(b) R. H.						
(c) Through						
(d) Diagonal and Girth Stays						

12. STAYBOLTS None If hollow None 14. Maximum pitch X Diameter None in.
(Iron or Steel) (Class or size) (Horizontal) (Vertical) (Over the diameter)
13. SAFETY VALVE outlets: No. 2 Size 4"
16. FUSIBLE PLUG (if used): No. None Diameter and material of filling None Location None
17. OUTLETS: No. 7 Size 2 1/2", 2", 1 1/2", 1 1/4" Material of nozzle or attachment Steel How attached Welded
(Riveted, welded, etc.)
18. DRAIN connection 2 in. HAND HOLES OR SIGHT HOLES (Number, size and location)
19. MANHOLES: 1 18" dia. in shell Welded Reinforcement None (Riveted, welded, etc.)
20. NONPRESSURE PARTS (a) Supporting legs None Supporting skirts None (b) Other Nonpressure parts None (Kind and number)
(c) Where and how attached None - tank supported by concrete cradles.
21. Bursting pressure 1000 psi Hydrostatic test 300 psi (Constructed for pressure of 200 psi factor of safety 5.00)

Remarks: Vessel used for storage of propane gas. Max. oper. temp. 680 deg. F.
(Vessel to be used for air, gas, ammonia, etc.)

We certify the above data to be correct and that all details of materials and construction and workmanship on this unfired pressure vessel conform to the A. S. M. E. Code for Unfired Pressure Vessels. Cert. of Auth. expires Dec. 31, 1959.
Date OCT 27 1948 Signed Dowlingtown Iron Works, Inc. by W. F. Kechn
(Manufacturer) (Name)

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number H. S. B. # 3641

VESSEL MADE BY Downingtown Iron Works, Inc., Downingtown, Pa.

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in THE STATE OF

~~PA~~ Penna. and employed by THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY

of HARTFORD, CONN., inspected internally and externally, the vessel specified in this report on

OCT 27 1948

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.

J. Gallagher
Inspector

Wat. Board 1837