

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

36K

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by American Car and Foundry Division, Milton, Pennsylvania  
 Manufactured for Applied Engineering Co. Inc., 468 Carolina Ave., Orangeburg, S. C.  
 (Name and address of Purchaser)  
 2. Type Horiz. Vessel No. (34-0680-1) (Mfg. Serial) (State & State No.) Nat'l. Bd. No. 20694 Yr. Built 1960  
 3. SHELL: Mat'l. SA-212 Gr. B TS 70000 FB Nom. 15 Corr. In. Diam 10 Ft. In. Lgth 56 Ft. 2-3/16  
 (Kind and Spec. No.) (Fig. or P.B. & Spec. Min. T.S.) (Spot or Complete) (Yes or No) (Yes or No)  
 4. SEAMS: Long F.W. D.B. S.R. Yes XR Compl. Sectioned No Efficiency 100%  
 (Welded, P.B., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)  
 Girth F.W. D.B. S.R. Yes XR Compl. Sectioned No No. of Courses 5  
 5. HEADS: (a) Material SA-212 Gr. B TS 70000 (b) Material SA-212 Gr. B TS 70000

Location (Top, bottom, ends)	Thickness	Crown Radius	Kettle Radius	Elliptical Ratio	Conical Apex angle	Semispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) End	15/32					65-1/16		Concave
(b) End	15/32					65-1/16		Concave

If removable, bolts used \_\_\_\_\_ Other fastening \_\_\_\_\_ (Describe or Attach Sketch)

If riveted or brazed describe seams fully under remarks.

7. Constructed for Int. pressure of 250 psi Max Temp 650 °F Subzero \_\_\_\_\_ °F Hydrostatic Test 400 psi  
 8. SAFETY OR RELIEF VALVE OUTLETS: Number \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
 9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam or Size	Type	Material	Thickness	Reinforcement Material	How Attached
INSPECTION Manholes, No. <u>1</u>		Size <u>20"</u>	Location <u>Top of tank</u>				
OPENINGS Handholes, No. _____		Size _____	Location _____				
Threaded, No. _____		Size _____	Location _____				

1. SUPPORTS: Skirt \_\_\_\_\_ Lugs \_\_\_\_\_ (Number) \_\_\_\_\_ Legs \_\_\_\_\_ (Number) \_\_\_\_\_ Other \_\_\_\_\_ (Describe) \_\_\_\_\_ Attached \_\_\_\_\_ (Where & How)  
 REMARKS: Vessel fabricated under 1959 Code W-XR-SR for non-corrosive service (propane)  
Manway Cover: SA-212 Gr. B, 27-1/2" dia. x 2-5/16" thick x 25" bolt circle with additional openings 1 - 3/4", 1 - 1-1/4", 3 - 2", 1 - 2-5/16"  
Additional Openings in Tank - 1 - 4"

\* Furnished by customer.  
 (Brief description of purpose of the vessel, as Air Tank, Water Tank, L.P.G., Etc.—State Contents)  
 We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this vessel conform to the ASME Code for Unfired Pressure Vessels.  
 Date AUG 25 1960 19 \_\_\_\_\_ Signed ACF Industries, Incorporated By A. E. Snyder  
 (Manufacturer)  
 Certificate of Authorization Expires No. 677 expires Dec. 31, 1961

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. ASB 20694  
 VESSEL MADE BY ACF Industries, Incorporated at Milton, Pennsylvania  
 I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF PENNSYLVANIA and employed by HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY, HARTFORD, CONN.  
 inspected internally and externally, the vessel described in this report on AUG 25 1960, 19 \_\_\_\_\_, and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.  
 Date AUG 25 1960, 19 \_\_\_\_\_  
 Inspector's Signature \_\_\_\_\_ Commissions N.B. 1746  
 State or Nat'l Bd. & Number