

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

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by American Car and Foundry Division, Milton, Pennsylvania  
(Name and address of Manufacturer)

2. Manufactured for Gas, Incorporated, 81-95 East Merrimack St., Lowell, Massachusetts  
(Name and address of Purchaser)

3. Type Horiz. Vessel No. 44-62031-3 (Mfrs. Serial) 15/16 State No. 15/16 Natl Bd. No. 21103 Yr. Built 1964  
(Horiz. or Vert.)

4. SHELL: Matl. SA-212 Gr. B T.S. 70000 FB Num. 15/16 Corr. 10-1/8 In. 10 Ft. 0-13/16  
(Kind and Spec. No. Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long F.W. D.B. HT No XR Compl. Sectioned No Efficiency 100  
(Welded, Dbl. Single, Lap, Butt Yes or No (Spot or Complete) (Yes or No))  
Girth F.W. D.B. HT No XR Compl. Sectioned No No. of Courses 4

6. HEADS (a) Material SA-212 Gr. B T.S. 70000 FB (b) Material SA-212 Gr. B T.S. 70000 FB  
Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical 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 \_\_\_\_\_  
Material Spec. No. T.S. Size Number Describe or Attach Sketch

7. Constructed for max. allowable working press. 250 psi at max. temp. 650 °F Min. temp. when less than -20° 400 psi  
Hydrostatic Test 400 psi

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 4" Location Top of tank

9. NOZZLES:  
Purpose (Inlet, Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached

10. INSPECTION Manholes, No. 1 Size 18" Location Top of tank  
OPENINGS: Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

11. SUPPORTS: Skirt \_\_\_\_\_ Lugs \_\_\_\_\_ (Yes or No) (Number) \_\_\_\_\_ (Number) \_\_\_\_\_ Other Saddles Attached Welded to tank  
(Where & How)

12. REMARKS: Vessel fabricated under 1962 Code W-XR for non-corrosive service (propane)  
Manway cover: SA-212 Gr. B 25" dia. x 2-1/4" thick x 22-3/4" bolt circle with additional openings: 2 - 1-1/4", 2 - 2".  
Additional openings in tank: 1 - 3/4", 1 - 2.323", 2 - 3".

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc. - State Contents)  
If postweld heat treated \_\_\_\_\_  
List other internal or external pressures with coincident temperature when applicable \_\_\_\_\_

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Unfired Pressure Vessels.

Date 7-31-1964 Signed ACF Industries, Incorporated By C. E. Snyder  
Manufacturer

Certificate of Authorization Expires No. 677 Dec., 31, 1964

## CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY American Car and Foundry Division, Milton, Pennsylvania

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Pennsylvania and employed by Hartford Steam Boiler Insp. & Ins. Co. Hartford, Connecticut have inspected the pressure vessel described in this manufacturer's data report on 7-31-1964 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 7-31-1964

Inspector's Signature \_\_\_\_\_ NB 1746  
National Board of Boiler and Pressure Vessel Inspectors