

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

As required by the President of the ASME Code Rules and the National Board

1. Manufactured by ACF Industries, Incorporated, Milton, Pennsylvania

2. Manufactured for U.S. NATURAL GAS CO., ROUTE 6, LEDGEWOOD, NEW JERSEY
(Name and address of Purchaser)

3. Type Horizontal Kind Tank Vessel No. 14-954-1 (Mfg. Serial) (State & State No.) Nat'l Bd. No. 4588 Yr. Built 1956

Items 4, 9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of Heat Exchangers

4. SHIELD: Material Case 1056-4 Gr. "B" T.S. Fig. 73000 Thickness 9/16 Corrosion Allowance _____ in. Diam. 6 ft. 5 1/2 in. Length 50 ft. 5-13/16 in.

5. SHAMS: Long F.W. D.B. S.R. Yes X.R. Compl. Sectioned No Efficiency 95%
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth F.W. D.B. S.R. Yes X.R. Compl. Sectioned No No. of Courses 6

If riveted describe seams fully on reverse side of form

6. HEADS: (a) Material Case 1056-4 Gr. B T.S. 73000 (b) Material Case 1056-4 Gr. "B" T.S. 73000

Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter
(a) End 17/32 D/4 Ell. Concave
(b) End 17/32 D/4 Ell. Concave

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

7. STAYBOLTS: (Material) _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Size of Hole) (Threaded, Welded) (Horizontal) (Vertical) (Nominal)

8. JACKY CLOSURE: _____ (Describe as eyes & weld, bar, etc. If bar give dimensions. If bolted, describe or sketch)

9. Constructed for Int. pressure of 250 psi. Max. Temp. 650 °F. Subzero _____ °F. Hydrostatic Test 400 psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary, Material _____ Diam. _____ in. Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)
Floating, Material _____ Diam. _____ in. Thickness _____ in. Attachment _____
(Kind & Spec. No.)

11. TUBES: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

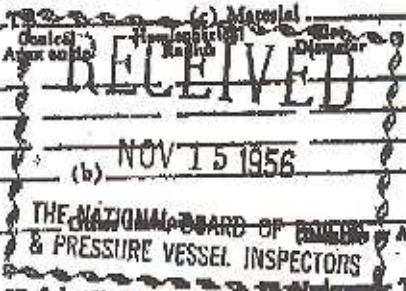
Items 12-13 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Thickness _____ in. Corrosion Allowance _____ in. Diam. _____ ft. In. Length _____ ft. In.

13. SHAMS: Long S.R. X.R. _____ Sectioned _____ Efficiency 95%
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)
Girth S.R. X.R. _____ Sectioned _____ No. of Courses _____

If riveted describe seams fully on reverse side of form

14. HEADS: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter
(a) Top, bottom, ends _____
(b) Channel _____
(c) Floating _____



If removable, bolts used (a) _____ (Material, Spec. No., T.S., Size, Number)
(b) _____
(c) _____ (Describe or Attach Sketch)

15. Constructed for Int. pressure of _____ psi. Max. Temp. _____ °F. Subzero _____ °F. Hydrostatic Test _____ psi.

Items below to be completed for all Vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

Table with 7 columns: NOZZLES Purpose (Inlet, Outlet, Drain), Number, Diam. or Size, Type, Material, Thickness, Reinforcement Material, Flap Attached

17. INSPECTION Manholes, No. _____ Size _____ Location _____

OPENINGS: Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

18. SUPPORTS: Skirt _____ Lug _____ (Number) _____ Leg _____ (Number) _____ Other _____ (Describe) _____ Attached _____ (Where & How)

19. REMARKS: Vessel fabricated and intended for service as an unfired pressure vessel under 1952 Code, W-XR-SR (Propane)

(Brief description of purpose of the vessel, see Air Tank, Motor Casing, Jacketed Casing, etc. State contents of each part.) (Over)

** ADDITIONAL OPENINGS IN TANK: 6 - 2", 1 - 1", 1 - 3/4" and 2 - 1/2"

NOTE: 16" ACCESS OPENING PERMANENTLY CLOSED WITH A.S.T.M. SPEC. A-299 STEEL PLATE 3/4" THICKNESS. PLATE ATTACHED BY FILLET WELD.

FOR NON-CORROSIVE SERVICE

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

Date September 10, 1956 Signed ACF Industries, Inc.

By Charles R. Newhard

Certificate of Authorization Expires No. 677 expires December 31, 1958

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. KSB 3223

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 September 10, 1956, 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 September 10, 1956

Inspector's Signature

Commission N.B. 1888

State or Nat'l Bd. & Number

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF _____ and employed by _____ of _____ have compared the statements in this manufacturer's data report with the completed vessel, and certify that parts referred to as data items _____ were completed in the field in accordance with the requirements of the ASME Code for Unfired Pressure Vessels. The completed vessel was inspected and subjected to a hydrostatic test of _____ psi.

Date _____, 19_____

Inspector's Signature

Commission

State or Nat'l Bd. & Number