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

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

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

2. Manufactured for Drake & Townsend, Inc., 11 W. 42nd St., New York 36, New York (Name and address of Purchaser)

3. Type Horiz. (Horiz. or Vert.) Kind Tank (Tank, Jacketed, Heat Exch.) Vessel No. (14-875-2) (Mfrs.' Serial) (.....) (State & State No.) Nat'l Bd. No. 4531 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. SHELL: Material SA-212 Gr. "B" (Kind and Spec. No.) T.S. 70000 F.B. (Fig. or F. B. & lowest T. S.) Thickness 15/16 in. Corrosion Allowance ..... in. Diam 10 ft 3-9/16 in. Length 49 ft 11 in. 1/2

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

Girth F.W. D.B. S.R. Yes X.R. Compl. Sectioned No No. of Courses 5

If riveted describe seams fully on reverse side of form

6. HEADS: (a) Material SA-212 Gr. "B" T.S. 70000 (b) Material SA-212 Gr. "B" T.S. 70000

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	15/16"			D/4 Ell.				Concave
(b) End	15/16"			D/4 Ell.				Concave

If removable, bolts used ..... (Material, Spec. No., T.S., Size, Number) Other fastening ..... (Describe or Attach Sketch)

7. STAYBOLTS: ..... (Material) If hollow ..... (Size of Hole) Attachment ..... (Threaded, Welded) Pitch ..... (Horiz.) × ..... (Vert.) Diam. ..... (Nominal)

8. JACKET CLOSURE: ..... (Describe as ogee & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for {Int. / ~~Ext.~~} 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 ..... (Kind & Spec. No.) Diam. ..... (Subject to Pressure) in. Thickness ..... in. Attachment ..... (Welded, Bolted)

Floating. Material ..... (Kind & Spec. No.) Diam. ..... in. Thickness ..... in. Attachment .....

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

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material ..... (Kind and Spec. No.) T.S. ..... (Fig. or F. B. & lowest T. S.) Thickness ..... Corrosion Allowance ..... in. Diam ..... ft ..... in. Length ..... ft ..... in.

13. SEAMS: Long ..... (Welded, Dbl., Single, Lap, Butt) S.R. ..... (Yes or No) X.R. ..... (Spot or Complete) Sectioned ..... (Yes or No) Efficiency ..... %

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. ..... (c) Material ..... T.S. .....

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top, bottom, ends								
(b) Channel								
(c) Floating								

If removable, bolts used (a) ..... (Material, Spec. No., T.S., Size, Number) (b) .....

(c) ..... Other fastening ..... (Describe or Attach Sketch)

15. Constructed for {Int. / Ext.} 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 2 Size 4-1/16" Location Manway Cover

17. NOZZLES:

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

18. INSPECTION OPENINGS: Manholes, No. 1 Size 20" Location Top End of Tank Steel Welded

Handholes, No. ..... Size ..... Location .....

Threaded, No. ..... Size ..... Location .....

19. SUPPORTS: Skirt ..... (Yes or No) Lugs ..... (Number) Legs ..... (Number) Other ..... (Describe) Attached ..... (Where & How)

20. 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, as Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.) (Over)