



TRANSTECH ENERGY

10,000-Gallon Storage Vessel Rocky Mount, NC

VESSEL SPECIFICATIONS

Manufacturer	Year	Capacity	PSI	Serial Number/ National Board Number
ACF Co.	1955	10,000	250	14-781-2 / 4424

The vessel listed is ASME certified and was manufactured by ACF Co. It has a National Board number with a U-1A data sheet. The vessel is 79" in diameter with welded steel saddles and 42' in length. Its shell sections and elliptical heads are constructed of SA-212 steel and are 15/16" thick. The vessel is 30.5-foot in length and 84 inches in diameter (ID).





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XRF

SP V-X TEMP 250 LBS

SH9 HDS 17 F EL

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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 THE BERKSHIRE GAS COMPANY, 31 SOUTH ST., PITTSFIELD, MASS.
(Name and address of Purchaser)
 3. Type Horiz. Kind Tank Vessel No. 14-78/-2 () Nat'l Bld. No. 4424 Yr. Built 1955
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Mfrs. Serial) (State & State No.)

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" T.S. 70000 P.B. 15/16 Corrosion Allowance in Diam 10 ft. in Length 49 11-1/2 in
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.)

5. SEAMS: 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 5

6. HEADS: (a) Material SA-212 Gr. "B" T.S. 70000 (b) Material SA-212 Gr. "B" T.S. 70000
(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 riveted describe seams fully on reverse side of form

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

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

8. JACKET CLOSURE: _____ (Describe as open & 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 _____ (Kind & Spec. No.) Diam _____ in. Thickness _____ in. Attachment _____ (Welded, Bolted)
(Subject to Pressure)

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

11. TUBES: Material _____ O.D. _____ in. Thickness _____ inches 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 _____ T.S. _____ Thickness _____ in. Allowance _____ in. Diam _____ ft. in Length _____ ft. in
(Kind and Spec. No.) (Fig. or F. B. & lowest T. S.) Corrosion

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

Girth _____ S.R. _____ X.R. _____ Sectioned _____ No. of Courses _____

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)

If riveted describe seams fully on reverse side of form

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 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: Manholes, No. 1 Size 18" Location Top End of Tank Steel Welded
 Openings: Manholes, No. _____ Size _____ Location _____
 ☉☉ Threaded, No. _____ Size _____ Location _____

19. DIMENSIONS: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____