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FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

As required by the Provisions of the ASME Code Rules and the National Board, SECTION VIII, DIVISION 1.

1. Manufactured by RILEY BEARD, INC., SHREVEPORT, LOUISIANA / SOUTHERN UNION GAS CO.
(Name and address of Manufacturer) TRENTHAM CORPORATION

2. Manufactured for APPLIED ENGINEERING CO., ORANGEBURG, S.C. SHIP TO FLAGSTAFF, ARIZONA
(Name and address of Purchaser)

3. Type Horiz. Kind Tank Vessel No. (112365-01-1) (Intra. Serial) (State & State No.)
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Nat'l Bd. No. 28769 Yr. Built 1974)

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-612-B T.S. 81,000# Nominal 13/16 Corrosion 0 in. Diam. 10 10-1/4 Length 122 6-1/2
(Kind and Spec. No.) (Fig. or P. D. & Spec. Min. T.S.) Thickness in. Allowance in. ft. in. ft. in.

5. SEAMS: Long Dbl. Butt H.T. No R.T. Complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form

Girth Dbl. Butt H.T. No R.T. Complete Sectioned No No. of Courses 17

6. HEADS: (a) Material SA-612-A T.S. 83,000# (b) 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) Ends 15/32" 65,1347" Concave

(b) _____

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

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

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

9. Constructed for max. allowable working press. 250 psi. at max. temp. 125 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press. 375 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)

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

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

Items 12-17 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ in. Corrosion Allowance _____ in. Diam. _____ ft. in. Length _____ ft. in.
(Kind and Spec. No.) (Fig. or P. D. & Spec. Min. T.S.)

13. SEAMS: Long Dbl. Butt H.T. No R.T. Complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form

Girth _____ H.T. _____ R.T. _____ 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) _____ (b) _____
(Material, Spec. No., T.S., Size, Number)

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

15. Constructed for max. allowable working press. _____ psi. at max. temp. _____ °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press. _____ psi.

Items below to be completed for all Vessels where applicable.

16. SAFETY VALVE OUTLETS: Number 2 Size 4" Location Top of tank in shell

NOZZLES:	Number	Purpose (Inlet, Outlet, Drain)	Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet (1)	3"	150# Slip on Flg.		SA-105 W/SA-106-B	13/16"	SA-612-B	Welded	
Outlet (1)	6"	150# Weld Neck Flg.		SA-105 W/SA-106-B	13/16"	SA-612-B	Welded	
Drain (2)	3/4"	6000# Cplgs.		F.S.			Welded	
(1)	2"	150# Weld Neck Flg.		SA-105 W/SA-106-B			Welded	
(2)	2"	150# Weld Neck Flgs.		SA-105 W/SA-106-B & SA-234-WPB			Welded	
(2)	4"	150# Weld Neck Flgs.		SA-105 W/SA-106-B	13/16"	SA-612-B	Welded	

* Head seams spot X-rayed Joint EFF. 85%

Purposes (Inlet, Outlet, Drain)	Number	Dims. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
(1) 2-1/4"	Special Drilled Pad Type Flg.					SA-516-70	Welded
(1) 3/4"	6000# Cplg. F.S.	(1) 1/4"	(1) 3/4"	6000# Special Cplgs.		SA-105	Welded
(1) 1" Drilled & Tapped hole in manway cover							

18. INSPECTION: Manholes, No. 1 Size 18" Location 150# Pad Type SA-105
 OPENINGS: Handholes, No. Size Location Bottom of tank in shell
 Threaded, No. Size Location Ring 9

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

20. REMARKS: 130-1/4" I.D. x 133' 4-1/4" O.A. Length 89,715 W.G. Prepare Storage Tank, per Riley Beard, Inc. Dwg. Order No. 112365-01

(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.)

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 Pressure Vessels, Section VIII, Division 1, 1971 Edition

Date 4-4, 1974 Signed RILEY BEARD, INC. By [Signature]

Certificate of Authorization Expires March 12, 1976

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY RILEY BEARD, INC. at SHREVEPORT, LOUISIANA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of... and employed by COMMERCIAL UNION INSURANCE CO. of... have inspected the pressure vessel described in this manufacturer's data report on 4-4, 1974, 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 5-9, 1974 [Signature] Commissions N. B. COMM. 2660 National Board, State, Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of... and employed by... of... have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data items... not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of... psi.

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 19... [Signature] Commissions National Board, State, Province and No.