

**FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS**  
 Alternate Form For Single Chamber Completely Shop Fabricated Vessels Only  
 As required by the Provisions of the ASME Code Section VIII — Division I and the National Board

1. Manufactured by RILEY BEAIRD, INC., SHREVEPORT, LOUISIANA LUCAS RD TANK FARM  
 (Name and address of Manufacturer)

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

3. Type Horiz. Vessel No. 102725-01-25 (Mfrs. Serial) (State & Std. No.) Nat'l Bd. No. 11537 Yr. Built 1973  
 (Horiz. or Vert.)

4. SHELL: Mat'l SA-612-B T.S. 81,000# Nom. Thk. 13/16 in. Allow. 0 in. Diam. 10 ft. 10-1/4 in. Length 79 ft. 3-1/2 in.  
 (Kind and Spec. No.) (Flg. or F. B. & Spec. Min. T.S.)

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

Girth Dbl. Butt HT. No R.T. Complete Sectioned No No. of Courses 11

\* 6. HEADS: (a) Material SA-612-A T.S. 83,000# (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_

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) <u>Ends</u>	<u>15/32"</u>					<u>65.1347"</u>		<u>Concave</u>
(b) _____								

If removable, bolts used \_\_\_\_\_ Other fastening \_\_\_\_\_

7. Constructed for max. allowable working press. 250 psi. at max. temp. 100 °F. Min. temp. (when less than -20°) \_\_\_\_\_ °F. Hydrostatic Test Press. 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 3 Size 4-1/8" Location In Manway Cover

9. NOZZLES: (3) 4-1/8" Openings in Manway Cover

Purpose (Inlet Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
(1) <u>1" 3000# Cplg.</u>				<u>F.S.</u>			<u>Welded</u>
(1) <u>2-1/2" Float Gage Adapter</u>				<u>SA-515-70 &amp; SA-106-B</u>			<u>Welded</u>
(1) <u>1" x 1/4" 3000# Reducing Cplg.</u>				<u>SA-105-II</u>			<u>Welded</u>
(1) <u>3/4" Sch. 80 Seamless Pipe (Thermowell)</u>				<u>SA-106-B</u>			<u>Welded</u>
(2) <u>2" (2) 3" 300# Pad Type Drilled &amp; Tapped</u>				<u>SA-515-70</u>			<u>Welded</u>

10. INSPECTION Manholes, No. 1 Size 18" Location 300# Pad Type SA-105-71 & SA-515-70  
 OPENINGS Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location Top of tank  
 Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

11. SUPPORTS: Skirt \_\_\_\_\_ Lugs \_\_\_\_\_ Legs \_\_\_\_\_ Other (2) Saddles Attached Welded to shell  
 (Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: 130-1/4" I.D. x 90' 0-1/2" O A. Length 59,775 W.G. Propane Storage Tank, per Riley Beard, Inc. Dwg. Order 102725-01

If riveted or brazed describe seams fully under remarks.

\* Head seams spot X-rayed Joint Eff. 85%  
 (Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State contents.)  
 1 If Postweld Heat Treated 2 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, Section VIII, Division I, 1971 Edition

Date 1973 Signed RILEY BEAIRD, INC. By W. B. Thomas  
 (Manufacturer)

Certificate of Authorization Expires March 12, 1976

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY RILEY BEAIRD, 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 19.73 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 30. 19.73

Inspectors Signature \_\_\_\_\_ Commissions N. B. COMM.  
 Nat'l Board, State, Province and No. \_\_\_\_\_