

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
(Name and address of Manufacturer) IOWA POWER LIGHT CO.

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

3. Type HORIZ. Vessel No. 102505-01-10 (Mfrs. Serial) (State & Std. No.) Nat'l Bd. No. 9496 Yr. Built 1973
(Horiz. or Vert.)

4. SHELL: Mat'l SA612-B T.S. 81,000# Nomin. 13/16 in. Corr. 0 in. Diam. 10 ft. 10-1/4 in. Length 79 ft. 3-1/2 in.
(Kind and Spec. No.) (Fig. or F. B. & Spec. Min. T.S.)

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)
 Girth Dbl. Butt H.T. No R.T. Complete sectioned No No. of Courses 11

If riveted or brazed describe same fully under remarks

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

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 4" Location In manway cover

9. NOZZLES: (1) 2" Opening Drilled & Tapped in Manway Cover

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
(1) 1" 3000# Coupling				F.S.			Welded
(1) 2-1/2" Special Flg. for Float Gage Adapter				SA-515-70 & SA-106-B, SA-612-A			Welded
(1) 1" x 1/4" 3000# Reducing Coupling				SA-105-II			Welded
(1) 3/4" Sch. 80 Seamless Pipe (Thermowell)				SA-106-B			Welded
(1) 2" (2) 3" 300# Pad Type				SA-515-70			Welded

10. INSPECTION Manholes, No. 1 Size 16" Location 150# Pad Type SA-105-II
 OPENINGS Handholes, No. _____ Size _____ Location Top of tank
 Threaded, No. _____ Size _____ Location _____

11. SUPPORTS: Skirt _____ Lugs _____ Legs _____ Other (2) Saddles Attached Welded to tank
(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 Beaird Inc. Dwg. Order 102505-01

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

(Brief description of purpose of the vessel, as Air Tank, After Cooker, 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 7-27-73 Signed RILEY BEAIRD, INC. By W. J. 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 7-27-73 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 7-27-73
W. J. Thomas
 Inspectors Signature

Commissions N. B. COMM. 2660
 Nat'l Board, State, Province and No.