

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

Alternate Form For 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 BEARD, INC., SHREVEPORT, LOUISIANA  
 (Name and address of Manufacturer) SHIP C/O DART INDUSTRIES, INC.

2. Manufactured for THE ORTLOFF CORPORATION, MIDLAND, TEXAS LA PORTE, TEXAS  
 (Name and address of Purchaser)

3. Type Horiz. Vessel No. 117738-01-1 (Mfrs. Serial) State & Std. No. LA Nat'l Bd. No. 37605 Yr. Built 1975

4. SHELL: Mat'l SA515-70 TS 70,000# Thk 1-3/16 in Allow 1/16 in Diam 11 ft 9-1/2 in Length 87 ft 7 in.  
 (Line and Spec. No. (CLR or F.B. & Spec. Min. TS) 1/16" Heads & Nozzles

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

6. HEADS: DO Material SA-515-70 TS 70,000# lbs Material SA-515-70 TS 70,000#

	Location (Top, Bottom, etc.)	Thickness	Crown Radius	Knockout Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Ends		.72"					70.7646"		Concave
(b) Other									

If removable, bolts used \_\_\_\_\_ Other fastening \_\_\_\_\_  
 Material Spec. No. TS (Size Number) (Describe or Attach Sketch)

7. Constructed for max allowable working press. 275 psi at max temp. 650 °F  
 (Min. temp. when less than -10°) \_\_\_\_\_ °F Test Press 435 psi

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 4" Location Top of tank in shell

9. NOZZLES: (1) 1" 6000# Cplg. SA-105 Welded  
 (1) 1" 6000# Special Cplg. SA-105 Welded

Purpose (Inlet, Outlet, Drain)	Number	Diam or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Inlet	(1)	4" 300#	Weld Neck Flg.	SA-105 W/SA-106-B	1-1/2"	SA-515-70	Welded
Outlet	(1)	6" 300#	Weld Neck Flg.	SA-105 W/SA-106-B	1-1/8"	SA-515-70	Welded
Drain	(1)	2" 300#	Weld Neck Flg.	SA-105 W/SA-106-B			Welded
	(2)	3" 300#	Weld Neck Flgs.	SA-105 W/SA-106-B	1-1/8"	SA-515-70	Welded
	(1)	4" 300#	Weld Neck Flg.	SA-105 W/SA-106-B	1-1/2"	SA-515-70	Welded

10. INSPECTION MANHOLES: No. 1 Size 18" Location Pad 1-1/4" Neck 1/2" SA-515-70

OPENINGS: Handholes: No. \_\_\_\_\_ Size \_\_\_\_\_ Location Flg. 300# Weld Neck SA-105

Threaded: No. \_\_\_\_\_ Size \_\_\_\_\_ Location Bottom of tank in shell

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

If riveted or brazed describe same fully under remarks

12. REMARKS: 141-1/2" I.D. x 99' 6" O.A. Length 77,778 W.G. Monomer Storage Tank,  
per Riley Beard, Inc. Dwg. Order No. 117738-01  
\* Head seams spot X-rayed Joint Eff. 85%

Date 8/19 1975 Signed RILEY BEARD, INC. (Manufacturer) [Signature]  
 Certificate of Authorization Expires March 17, 1976

**CERTIFICATE OF SHOP INSPECTION**

VESSEL MADE BY RILEY BEARD, INC. SHREVEPORT, LOUISIANA

The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, do hereby certify that the vessel described in this manufacturer's data report has been inspected and found to conform to the requirements of the ASME Code, Section VIII, Division I, and the National Board Code of Authorized Inspection Practices, Edition 1974.

This inspection was performed on 8/19/75 and the vessel was found to conform to the requirements of the ASME Code, Section VIII, Division I, and the National Board Code of Authorized Inspection Practices, Edition 1974.

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[Signature]