

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by AMF BEAIRD, INC., SHREVEPORT, LOUISIANA
(Name and address of Manufacturer)

2. Manufactured for MAHAFFY MERCANTILE, INC. ALTHEIMER, ARKANSAS
(Name and address of Purchaser)

3. Type Horiz. Vessel No. (214331-3) () Natl. Bd. No. 85225 Yr. Built 1970
(Horiz. or Vert.) (Mfr. Serial) (State & State No.)

4. SHELL: Matl. SA-515-70 T.S. 70,000# Nom. 674 In. Diam. 7 Ft. 9-1/2 In. Length 44 Ft. 1-1/2 In.
(Kind and Spec. No.) (Plg. or F.B. & Spec. Min. T.S.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Dbl. Butt H.T. Yes 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. Yes R.T. Complete Sectioned No No. of Courses 6

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA-455-A-Flg T.S. 75,000# (b) Material T.S. * See remarks
(Top, bottom, ends) Thickness Crown Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Size to Pressure (Convex or Concave)

(a) Ends 3/8" 47.049" Concave

(b)

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

7. Constructed for max. allowable working press. ² 250 psi at max. temp. 150 °F. Min. temp. (when less than -20°) °F. Hydrostatic Pneumatic or Combination } Test Press 375 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 2" Location Top of tank in shell

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>(2) 3" 6000# Cplgs.</u>	<u>(1) 3/4" 3000#</u>	<u>Special Cplg.</u>	<u>SA-105-II</u>	<u>Welded</u>			
<u>(1) 3/4" (1) 1-1/4" 3000# Cplgs.</u>	<u>SA-105-II</u>	<u>Welded</u>					
<u>(3) 2" (1) 2-1/2" 3000# Half Cplgs.</u>	<u>SA-105-II</u>	<u>Welded</u>					
<u>(2) 1-1/4" x 1-1/2" (2) 3" x 2-1/2" 3000# Reducing Cplgs.</u>	<u>SA-105-II</u>	<u>Welded</u>					
<u>(1) 3/4" Sch. 80 Seamless Pipe (Thermowell)</u>	<u>SA-106-B</u>	<u>Welded</u>					

10. INSPECTION Manholes, No. Size Location

OPENINGS: Handholes, No. Size Location

Threaded, No. Size Location

11. SUPPORTS: Skirt Lugs Legs (2) (2) Saddles Shipped loose
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: One 93-1/2" I.D. x 52' 1-1/16" O.A. Length 17,627 W.G. Anhydrous Ammonia Storage Tank, per Beaird Dwg. 6-1D68

* Head seams spot X-rayed Joint Eff. 85%
(Give description of purpose of the vessel as Air Tank, Water Tank, L.P.G., 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. 1968 Edition Div. 1

Date 2-25, 1970 Signed AMF BEAIRD, INC. By W. O. Thomas
(Manufacturer)

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY AMF BEAIRD, INC. at SHREVEPORT, LOUISIANA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province N. B. AMERICA and employed by EMPLOYERS COMMERCIAL UNION INSURANCE CO. of have inspected the pressure vessel described in this manufacturer's data report on 2-25, 1970 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 2-25, 1970 Commissioner N. B. COMM. 2660
(Inspector's Signature) (Natl Board or State and No.)