

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 NORTH SHORE GAS COMPANY, CHICAGO, ILLINOIS SHIP C/O NORTH SHORE INSTALLATION
(Name and address of Purchaser) MUNDELEIN, ILLINOIS

3. Type Horiz. Vessel No. 182750-01-17 (State & State No.) Natl. Bd. No. 85836 Yr. Built 1971
(Horiz. or Vert.) (Mfr. Serial) (Spot or Complete) (Yes or No)

4. SHELL: Matl. SA-515-70 T.S. 70,000# Thk. 15/16 In. Allow 0 In. Diam. 10 Ft. 10 In. Length 80 Ft. 5-1/4 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

6. HEADS: (a) Material SA-455-B T.S. 73,000# (b) Material See remarks
Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius T.S. *
(a) Ends .528" 65.0235" 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. 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 4" Location Top of tank in shell

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
(1) 3/4" 6000# Cplg.	SA-105-II (1)	3/4" Sch. 80	Seamless Pipe	(Thermowell)	SA-106-B	Welded	
(1) 2" (1) 3" 300#	Drilled & Tapped	Pad Type	Flgs.		SA-515-70	Welded	
(2) 4" 300#	Drilled	Pad Type	Flgs.		SA-515-70	Welded	
(1) 2-1/2" Special	(Slip on Type)	Flg.	SA-106-B	SA-515-70	3/8"	SA-515-70	Welded
(2) 3/4" (1) 2" (1) 3"	Drilled & Tapped	Holes in Manway Cover					

10. INSPECTION Manholes, No. 1 Size 18" Location Pad 7/8" SA-515-70 Neck 3/8"
OPENINGS: Handholes, No. Size Location SA-515-70 Flg. 300# S.O. SA-181-I
Threaded, No. Size Location Top of tank in shell

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

12. REMARKS: 130" I.D. x 91' 9-3/16" O.A. Length 60,248 W.G. Propane Storage Tank, per Beaird
Dwg. Order 182750-01

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

(Brief 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 8-25, 1971 Signed AMF BEAIRD, INC. By J. P. Bamberg
(Manufacturer)

Certificate of Authorization Expires December 31, 1974

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. and employed by EMPLOYERS COMMERCIAL UNION INSURANCE CO. of

have inspected the pressure vessel described in this manufacturer's data report on 8-25, 1971, 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 8-25, 1971

J. P. Bamberg
Inspector's Signature

Commission N. B. COMM. 2660
Nat'l Board or State and No.