

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

SHEET I OF II

1. Manufactured and certified by Beaird Industries, Inc., 601 Benton Kelly Road, Shreveport, LA 71106
(Name and address of manufacturer)
2. Manufactured for Energy Products of Idaho, 4006 Industrial Ave., Coeu D'Alene, ID 83814
(Name and address of purchaser)
3. Location of installation Dupont Industries, Staton Road, Cedar Mountain, NC 28718
(Name and address)
4. Type Horiz. Tank 142416-01-1 142416-01-B 56325 1990
(Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1989
Year

to None None None
Addenda (Date) Code Case Nos. Special Corrosion per UG-120(a)

6. Shell: SA-516-70 .6875" 0" 7' -9-11/16" 22' -1"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Welded Dbl. Butt Full 100 1100 42 Mins. Welded Dbl. Butt Spot 3
Long. Welded, Dbl., Sing., Lap, Butt R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Circ. Welded, Dbl., Sing., Lap, Butt R.T. (Spot, Partial, or Full) No. of Courses
8. Heads: (a) Mat'l. SA-516-70 (b) Mat'l. _____
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	<u>Ends</u>	<u>.401"</u>	<u>0"</u>					<u>46.987"</u>		<u>Concave</u>
(b)										

If removable, bolts used (describe other fastenings) _____

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 250 150 psi at max. temp. 150 °F
 Min. design metal temp. -20 °F at 250 psi. Hydro. XXXXXXX test pressure 380 psi.
10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
<u>Manway</u>	<u>1</u>	<u>16"</u>	<u>Pad</u>	<u>SA-516-70</u>	<u>150#</u>		<u>Welded</u>	<u>Head</u>
<u>Liq. Out</u>	<u>1</u>	<u>3"</u>	<u>Spec. Scrd. Cplg.</u>	<u>SA-516-70</u>	<u>6000#</u>		<u>Welded</u>	<u>Shell</u>
<u>Relief</u>	<u>2</u>	<u>2"</u>	<u>Scrd. Half Cplg.</u>	<u>SA-105</u>	<u>3000#</u>		<u>Welded</u>	<u>Shell</u>
<u>Vap. Ret.</u>	<u>1</u>	<u>2"</u>	<u>Scrd. Half Cplg.</u>	<u>SA-105</u>	<u>3000#</u>		<u>Welded</u>	<u>Shell</u>

11. Supports: Skirt No Lugs Legs Other (2) Saddles Attached Shell Welded
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: None

(Name of part, item number, Mfr's name and identifying stamp)

93-11/16" I.D. x 29' -10-13/16" O.A. Length 9,776 W.G. Anhydrous Ammonia Storage Tank
UG-20(f)

CERTIFICATE OF SHOP COMPLIANCE

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 Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 11,840 expires March 12, 1991.
 Date 12/5/90 Co. name Beaird Industries, Inc. Signed BTW
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Beaird Industries, 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 of Louisiana and employed by Commercial Union Insurance Company
 have inspected the component described in this Manufacturer's Data Report on 10/24, 19 90, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. 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 12-10-90 Signed [Signature] Commissions LA. COMM. 720 NB COMM. 6499
(Authorized Inspector) (Nat'l. Board (incl. undersigned), State, Prov. and No.)

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(Name and address)

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(Mount. and tank size) (Mater's serial No.) (CRN) (Disp) (Net'l. Bd. No.) (Year built)

Date 12/5/90 Co. name Beaird Industries, Inc. Signed B. Thibault
(Manufacturer) (Representative)
Date 12-10-90 Signed [Signature] Commissions LA.COMM.720 NB COMM.6499
(Authorized Treasurer) (Not. Beaird Ind. endorsement, State, Fed., and No.)