

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

#100602

1. Manufactured and certified by MEDRO SYSTEMS, INC., 416 East Industrial Blvd., McKinney, TX 75069
(Name and address of manufacturer)
2. Manufactured for PD Glycol, Beaumont Plant, P.O. Box 3785, Beaumont, TX 77704
(Name and address of purchaser)
3. Location of installation PD Glycol, Gulf States Road, Beaumont, TX 77701
(Name and address)
4. Type Vertical 93-05-01 -- 1-52-48-02 14 1993
(Name or serial, code) (Manufacturer's No.) (CRN) (Drawing No.) (Mat'l. St. 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. 1092
Yes
- to A92 -- -- --
Alloy (Date) Code Case No. Special Service per UG-120.14)
6. Shell: SA516 GR70 1/4" 1/32" 48" OD 78"
Mat'l. (Spec. No., Grade) Name, Thk. (in.) Cor. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: Wld Obl Butt -- 70% -- -- Wld Obl Butt -- 1
Long. (Welded, Obl., Spig., Lap, Butt) R.T. (Spot or Pull) SH. (%) H.T. Temp. (°F) Time (hr) Spig. (Welded, Obl., Spig., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Causes
8. Heads: (a) Mat'l. SA516 GR70 (b) Mat'l. SA516 GR70
(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)	Top	.238	1/32"	38.4"	3-3/8"					Concave
(b)	Bottom	.238	1/32"	38.4"	3-3/8"					Concave

If removable, bolts used (describe other fastenings):

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

9. MAWP 100 150 psi at max. temp. 150 °F
 Min. design metal temp. -20 °F at 100 psi. Hydro. XXXXXX test pressure 150 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
In/Out	2	2"	150#	SA312 TP316	Sch 40		Welded	Shell
Manway	1	14"x18"	Ellipt.	SA675 GR70			Welded	Head
Vent	1	1"	150#	SA312 TP316	Sch 40		Welded	Head
Regen	1	1-1/2"	150#	SA312 TP316	Sch 40		Welded	Shell

11. Supports: Skirt No Lugs 2 Legs 4 Other Attached Welded, Head/Shell
(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:

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

#10 cont.

Resin Rem.	1	3"	150#	Stud Outlet SA105	Welded	Shell
Telltale	1	1-1/2"	Pipe	SA106 GRB	Sch 40	Welded Head

**MDMT per UG20(F) -- Design per UG22(a).

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. 23,709 expires 10-17, 19 94.

Date 6-24-93 Co. name MEDRO SYSTEMS, INC. Signed _____ (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MEDRO SYSTEMS, INC. at McKinney, Texas

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 Texas and employed by Old Republic Insurance Co.

have inspected the component described in this Manufacturer's Data Report on 5-10, 19 93, 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 6-9-93 Signed _____ Commissions NB. 11223 A, TEXAS 1446
(Inspector) (Full State name, expiration date, State, Prov. and No.)