

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

1. Manufactured by Delta Southern Co., Inc., P.O. Box 3034, Baton Rouge, Louisiana 70821  
 2. Manufactured for Philadelphia Gas Works c/o Foster Wheeler Energy Co., 100 S. Orange Ave. Livingston, N.J. 07039  
 3. Location of Installation Philadelphia, Pa.  
 4. Type Vert. 13897-78-1 - D-13897 Rev. 3 4440 (Year Built) 1978  
(Horiz or vert tank) (Mfr's Serial No) (CRN) (Drawing No) (Nat'l Bld No)

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 1974 and Addenda to Summer '76 and Code Case Nos. -  
(Year) (Date)

Special Service per UG-120(d) -  
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: -

6. Shell: Matl. SA204GR.C Nom. Thk. 1-9/16 in. Corr. Allow. 1/8 in. Diam. 7 ft. 6 in. Length 31 ft. 11 in. ID  
(Spec. No., Grade) (Name of part, item number, Mfr's name and identifying stamp)

7. Seams: Long. WDB R.T. Full Efficiency 100 % H.T. Temp. 1100° F Time 1-3/4 hr.  
(Welded, Dbl., Sngl., Lap. Butt) (Spot or Full)

Girth WDB R.T. Full No. of Courses 4  
(Welded, Dbl., Sngl., Lap. Butt) (Spot, Partial, or Full)

8. Heads: (a) Material SA-204GR.C (b) Material SA-204GR.C  
(Spec. No., Grade) (Spec. No., Grade)

Location (Top, Bottom, Ends)	Min Thk	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
Top	1-9/16"	-	-	-	2:1	-	-	-	Concave
Bottom	1-9/16"	-	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) -  
 Ext. Full Vac. - (Material, Spec. No., Gr., Size, No.)

9. Constructed for max. allowable working pressure 545 psi at max. temp. 800 F. Min. temp. (when less than -20 F) - F. Hydrostatic, ~~static~~ or combination test pressure 954 psi.

10. Safety Valve Outlets: Number - Size - Location In Line Installed by Others

11. Nozzles and Inspection Openings: \*See Remarks

Purpose (Inlet, Outlet, Drain)	No	Diam or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Unloading	2	18"	RFLWN	SA182-F1	400#	SA204GR.C	Welded	Shell
Vapor Inlet	1	10"	RTJWN	SA234WP1	Sch. 80	Inherent	"	Top Head
Catalyst Loading	1	23" I.D.	Forg.	SA182-F1	4-1/4"	"	"	Top Head
Thermowell Sleeve	4	1-1/2"	RTJLWN	SA182-F1	600#	"	"	Shell
Sample Conn. Sleeve	4	2"	RFLWN	SA182-F1	600#	"	"	Shell
Sample Conn.	4	3/4"	REWN	SA335-P1	XX-Stg.	"	"	Shell

12. Supports: Skirt Yes Lugs - Legs - Other - Attached Welded to Bottom Head  
(Yes or no) (No) (No) (Describe) (Where and how)

13. Remarks: 90" I.D. X 32'-3" Tan.-Tan. Sulfur Absorber, P.O. #PP9-115-1776; Item #R-202(2-280-\*  
\*Vapor Outlet 1 10" RTJWN SA335-P1 Sch. 80 SA204GR.C Welded Bottom Head

**CERTIFICATE OF 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.

Date Jan. 31, 1978 Signed Delta Southern Co., Inc. by B. W. Callies  
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 3252 expires December 31, 1978

**CERTIFICATE OF SHOP INSPECTION**

Vessel made by Delta Southern Co., Inc. at Baton Rouge, Louisiana

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Louisiana and employed by The HSBI & I Co. have inspected the pressure vessel described in this Manufacturers' Data Report on Jan. 31, 1978, 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 the Manufacturers' 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.

Signed [Signature] Date Jan. 31, 1978 Commissions PA. NO. WC1001  
(National Board, State, Province and No.)