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 Glitsch, Inc. 4900 Singleton Blvd. Dallas, Texas
(Name and address of Manufacturer)

2. Manufactured for Philadelphia Gas Works Philadelphia, Pennsylvania
(Name and address of Purchaser)

3. Type Vert. (Horiz. or Vert.) Vessel No. (779066) (Mfrs. Serial) ( ) (State & State No.) Natl. Bd. No. 587 Yr. Built 1977

4. SHELL: Matl. SA204-C * (Kind and Spec. No.) T.S. 75000 (Fig. or P.B. & Spec. Min. T.S.) Nom. Thk. 1-5/8 in. Corr. Allow .125" Diam. 8 Ft. 0 In. Length 61 Ft. 11-1/2 In.

5. SEAMS: Long DWBJ (Welded, Dbl., Single, Lap, Butt) H.T. YES ** (Yes or No)[1] R.T. FULL (Spot or Complete) Sectioned NO (Yes or No) Efficiency 100 %
Girth DWBJ H.T. YES ** R.T. FULL Sectioned NO No. of Courses 6
If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA204-C * T.S. 75000 (b) Material SA204-C * T.S. 75000

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) Top	1-5/8"			2:1				Concave
(b) Btm.	1-5/8"			2:1				Concave

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] 540 psi at max. temp. 800 °F. Min. temp. (when less than -20°) °F. Hydrostatic / Pneumatic or Combination Test Press 810 psi.
Full Vac.

8. SAFETY OR RELIEF VALVE OUTLETS: Number Size Location

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
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10. INSPECTION OPENINGS: Manholes, No. Size Location
Handholes, No. Size Location
Threaded, No. Size Location

11. SUPPORTS: Skirt Yes (Yes or No) Lugs (Number) Legs (Number) Other (Describe) Attached Shell Welded (Where & How)

12. REMARKS: Item R-201, Sulfur Hydrogenator
* Normalized at Mill
** 1100 F for 1-3/4 hours
*** 6-1-1/2", 600# R.T.J., LWN of SA182-F1 (Thermowell), 1-24", Code Design of SA182-F1 (Catalyst Loading), 1-10", 600# R.T.J., W.N.F. of SA182-F1 (Vapor Outlet), and 1-10" 600#, R.T.J., W.N.F. of SA182-F1 (Vapor Inlet)

(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 Pressure Vessels, Section VIII, Division 1.

Date December 30, 19 77 Signed GLITSCH, INC. (Manufacturer) By W.K Court

Certificate of Authorization Expires February 28, 1978

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Glitsch, Inc. at Dallas, 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 Texas and employed by H.S.B.I. & I. Co. of Hartford, Conn. have inspected the pressure vessel described in this manufacturer's data report on December 20, 19 77 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 12-30 19 77

R.L. Robbins Inspector's Signature

Commissions NB # 7658 Nat'l Board, State, or Province and No.