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

1132

1 Manufactured by Air Products & Chemicals, Inc. Wilkes Barre, Penna.
(Name and address of manufacturer)

2 Manufactured for Air Products & Chemicals, Inc. Trexlertown, Penna.
(Name and address of purchaser)

3 Location of Installation Built for stock
(Name and address)

4 Type Horiz. (Horiz. or vert. tank) Vessel No. 76-176-4 (Mfgr's Serial No.) N/A (CRN) 403108E Rev. C (Drawing No.)
4974 (Nat'l Bd No.) Year Built 1976

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 (Year) and Addenda to Summer 1975 (Date) and Code Case no. N/A

Special Service per UG-120(d) N/A

Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: N/A

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

6 Shell Material SB209-5083-0 (Spec. No., Grade) Nominal Thickness .454 in. Corrosion Allowance 0 in.
Diam 9 ft 0 in. Length 30 ft 0 1/16 in.

7. Seams Longitudinal Dbl Butt (Welded, Dbl., Sngl. Lap, Butt) R.T. Spot (Spot or Full) Efficiency 85 %
H.T. Temp No F Time - Girth Sgl weld w/bu (Welded, Dbl, Sngl, Lap, Butt)
R.T. Spot (Spot, Partial or Full) No. of Courses 2

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 26 Aug 1976 Signed Air Products & Chemicals, Inc. (Manufacturer) by John R Davis (Representative)

"U" Certificate of Authorization No 10,956 expires March 30, 1977

CERTIFICATE OF SHOP INSPECTION

Vessel made by Air Products & Chemicals, Inc. at Wilkes Barre, Penna.

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 Penna. and employed by Commercial Union Ins. have inspected the pressure vessel described in this Manufacturers' Data Report on 8/26/76, 19 , 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.

Date
Signed (Inspector) Commissions (Nat'l Board, State, Province and No.)

FORM U-1A (BACK)

8. Heads: (a) Material SB209-5083-0 (Spec. No., Grade) (b) Material SB209-5083-0 (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio
(a)	Top	.465"	-	-	-	2:1
(b)	Bottom	.465"	-	-	-	2:1

	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	-	-	-	Concave
(b)	-	-	-	Concave

If removable, bolts used (describe other fastenings) N/A (Material, Spec. No., Gr., Size, No.)

Constructed for max. allowable working pressure 40 * psi at max. temp. +150 F. Min. temp. (when less than -20 F) -320 F. ~~Hydrostatic~~, pneumatic, or ~~combination~~ test pressure 69 psi.

9. Safety Valve Outlets: Number Size Location

10. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached
Liq to P.B. Coil	1	2"	Pipe	SB241,6061T6	Sch 80	none	welded
Liq wdrl T&B fill & vent	4	1½"	Pipe	SB241,6061T6	Sch 80	none	welded
Up&Low liq lev&trycock	3	¾"	Pipe	SB241,6061T6	.234"	none	welded

11. Inspection Openings

Manholes No. Size Location

Handholes No. Size Location

Threaded No. Size Location

12. Supports: Skirt No (Yes or no) Lugs (No.) Legs (No.) Other 8 Pads (Describe)

Attached Shell Welded (Where and how)

13. Remarks: Line 8. * At full vacuum

Project: 00-5-3204 - 14.00 15,000 gallon storage tank

Overall length = 34' 10 7/16"