

FORM U-1A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS

Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only

1. Manufactured by Air Products and Chemicals, Inc. Trexlertown, Pennsylvania

2. Manufactured for Air Products and Chemicals, Inc. I & M Division Trexlertown, Pennsylvania

3. Type Vert Vessel No. 4-196-3 Ohio Special 259 S.A. No. 2013 Yr. Built 1964

4. SHELL: Material SA353 GRB T.S. 100,000 Dth. .250 ID. 0 ID. Diam. 0 L. 6 In. Length 17 Ft. 1/4

5. SEAMS: Long. DBL Butt J.F.F. No N.R. Full Staggered No Efficiency OH 90
 Weided, Dbl. Bevel, Lap, Butt) Nos. or Size OH 100
 Girth DBL Butt H.F. No N.R. Full Staggered No No. of Courses 2

If vessel is built of dissimilar materials specify location

6. HEADS: (a) Material SA 353 GRB T.S. 100,000 Material SA 353 GRB T.S. 100,000
 Location Thickness Crown Radius R Angle Longit. Angle Hemispherical Radius Flat Diameter
 (a) Top .373 90 0 1/8
 (b) Bottom .373 90 0 1/8
 If removable, bolted, etc. Concave
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7. Constructed for max. allowable working pressure 85 PSIA at max. temp. 150 F. Max. temp. when in service 320 F. OH 100 Test Pressure 132 PSIA

8. SAFETY OR RELIEF VALVE OR FLEETS: Number 1 Location Top

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Size or Size	Type	Material	Thickness	Attachment Material	How Attached
<u>Liq. Draw, Inlet, Coil</u>	<u>2</u>	<u>1 1/4"</u>	<u>Pipe</u>	<u>SA353 GRB</u>	<u>.191</u>	<u>None</u>	<u>Welded</u>
<u>Liq. Vap. Pass, Trycock</u>	<u>3</u>	<u>3/16"</u>	<u>Nozzle</u>	<u>SA353 GRB</u>	<u>.055</u>	<u>None</u>	<u>Welded</u>

10. INSPECTION: Manholes, No. 0 Handholes, No. 0 Threaded, No. 0

11. SUPPORTS: Skirt, No. 0 Legs, No. 4 Legs, No. 2 Pads, No. 2 Attached Welded to shell

12. REMARKS: 6000 Gal. Inner Vessel built on S/O 18544 for IWO 69-1171 Dwg. 83951E in accordance with Sect. VIII A.S.M.E. Code, Code Case 1308 and Ohio Code. Impact Tested

#9 Nozzles contd.

Purpose	Number	Size or Size	Type	Material	Thickness	Attachment Material	How Attached
<u>Vapor Return</u>	<u>1</u>	<u>2 1/2"</u>	<u>Pipe</u>	<u>SA353 GRB</u>	<u>.276</u>	<u>None</u>	<u>Welded</u>
<u>Bottom Fill</u>	<u>1</u>	<u>2"</u>	<u>Pipe</u>	<u>SA353 GRB</u>	<u>.218</u>	<u>None</u>	<u>Welded</u>

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship conform to the ASME Code for Unfired Pressure Vessels.

Date Dec 31, 1964 Signed Air Products and Chemicals, Inc. December 31, 1964

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Air Products & Chemicals, Inc. Trexlertown, Pennsylvania

is the undersigned, holding a valid commission issued by the New York Board of Boiler and Pressure Vessel Inspectors and for the State of Pennsylvania and employed by Commercial Union Insurance Company New York

have inspected the pressure vessel described in this inspection report.

After having carefully examined the pressure vessel and the drawings therefor, I hereby certify that the vessel conforms to the ASME Code for Unfired Pressure Vessels, Code Case 1308.

The pressure vessel conforms to the ASME Code for Unfired Pressure Vessels, Code Case 1308, and the design and construction of the vessel is in accordance with the ASME Code for Unfired Pressure Vessels, Code Case 1308.

Date of inspection 12/31/64

[Signatures]