

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

ALTERNATE FORM FOR SINGLE CHAMBER COMPLETELY SHOP FABRICATED VESSELS ONLY

Anco P.O. 16033

1. Manufactured by **FLINT STEEL CORPORATION, WEST MEMPHIS, ARKANSAS** S.O. No. **8252**

2. Manufactured for **Anco Mfg & Supply Co** (Name and address of the manufacturer) **Lushton, Nebraska** P.O. No. **Reg. #353623**

3. Type **Horiz** Vessel No. **54273** (Mfrs. Serial) (State & State No.) Nat'l Bd. No. **54273** Yr. Buil. **1968**

4. SHELL Material **SA-515-70** T.S. **FQ70000** Nom. Thk. **.77** In. Allow. **0** In. Diam. **ID 8** ft. **10** in. Length **59** ft. **4** in.

5. SEAMS Long **DBI Butt** H.T. **Yes** X.R. **Complete** Sectioned **No** Efficiency **100** %

Girth **DBI Butt** H.T. **Yes** X.R. **Complete** Sectioned **No** No. of Courses **8**

6. HEADS (a) Material **SA-455-B** T.S. **FQ73000** (b) Material **SA-455-3** T.S. **FQ73000**

(Top, bottom, ends) Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure (Concave or Convex)

(a) **End** **.43" Min** **53"** **Concave**

(b) **End** **.43" Min** **53"** **Concave**

7. Constructed for max. allowable working press. **250** psi. at max. temp. **650** Min. temp. (when in service) **300** °F. Hydrostatic Press. **375** psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number **1** Size **3"** Location **D&T In Manway Cover**

9. NOZZLES:

Purpose, (Inlet or Outlet Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Liquid	2	3"	Coup	SA-105-II	3000#	Inc	Welded
Liquid Ga	1	2-1/2"	Coup	SA-105-II	3000#	Inc	Welded
Thermowell	1	1-1/4"	Pipe	SA-53-B	XX-Hvy	Inc	Welded
Out & Pres Ga	1	3/4"	Coup	SA-105-II	6000#	Inc	Welded
Vapor	3	2"	D&T In Manway Cover				

10. INSPECTION MARKS: No. **1** Size **18"** Location **4'2" from Hd Seam .77"x34" CD**

11. SUPPORTS: Skirt **No** Legs **(1) Grd** Attached **Welded**

12. REMARKS: **107-5/8" CD x 59'4" SL x 68'4" OAL -NH3 30,000**

built per 1965 ASME Code Sec II, VIII, & IX Par UW51 with 5 Pc. Hemi Heads

100% X-Rayed. Tank heat-treated per Par UW40 & UCS55.

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 Unfired Pressure Vessels.

This vessel constructed in accordance with plans and specifications shown on DRAWING NO **64-6932-A** as

Date **6-13-68** Signed **FLINT STEEL CORPORATION** Manufacturer

Certificate of Authorization Expires **No. 72 DEC. 31, 1970**

CERTIFICATE OF SELF INSPECTION

VESSEL MADE BY **FLINT STEEL CORPORATION** WEST MEMPHIS, ARKANSAS

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of **Arkansas** and employed by **Commercial Union Insurance Company** of **New York, New York**

have inspected the pressure vessel described in this manufacturer's data report on **5-11-68** 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 **6-13-68** 19 **68**

Inspector's Signature **[Signature]** Commissioners **National Bd. No. 4974**

Nat'l Board or State and No.

* If postweld heat-treated
* List other internal or external pressures with coincident temperature when applicable.