

#86658

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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 I

C-3832

19D203

1. Manufactured by A. GUNTARD CO., INC. EMMIS, TEXAS  
(Name and address of Manufacturer)

2. Manufactured for Monsanto Company St. Louis, Missouri  
(Name and address of Purchaser)

3. Type Vert. Vessel No. (74122) (Mfrs. Serial) (State & State No.) Natl. Bd. No. --- Yr. Built 1976

4. SHELL: Matl. SA-240-316 T.S. 75000 Nom. Thk. 1/4 In. Allow. 1/16 In. Diam. 2 Ft. 0 In. Length 39 Ft. 0 In.  
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.)

5. SEAMS: Long Dbl Butt H.T. No R.T. Complete Sectioned No Efficiency 100 %  
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)  
Girth Dbl Butt H.T. No R.T. Complete Sectioned No No. of Courses 7

If riveted or brazed describe seams fully under remarks.

6. HEADS: (a) Material SA-240-316 T.S. 75000 (b) Material SA-240-316 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 1/4" Min. 2:1 Concave  
(b) Btm. 1/4" Min. 2:1 Concave

If removable, bolts used SA-193-B7 125,000 L<sup>1</sup> Dia. Other fastening 4 3/8" Dia.  
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for max. allowable working press. 40 psi at max. temp. 500 °F. Min. temp. (when less than -20 °) --- °F. Hydrostatic Test Press 63 psi.  
~~Pneumatic~~ ~~or~~ ~~Hydrostatic~~

8. SAFETY OR RELIEF VALVE OUTLETS: Number 1 Size 2" Location Top Head

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
<u>In-outlet, Spare</u>	<u>6</u>	<u>6", 3", 1"</u>	<u>WNF</u>	<u>SA-182F316</u>	<u>ASA 150#</u>		<u>Welded</u>
<u>TW, NL, LP, Dump</u>	<u>7</u>	<u>2", 1 1/2", 1"</u>	<u>WNF</u>	<u>SA-182F316</u>	<u>ASA 150#</u>		<u>Welded</u>

10. INSPECTION Manholes, No. --- Size --- Location ---  
OPENINGS: Handholes, No. 4 Size 12" & 10" Location Shell  
Threaded, No. --- Size --- Location ---

11. SUPPORTS: Skirt Yes Lugs --- (Number) Legs --- (Number) Other --- (Describe) Attached Btm. Head Welded (Where & How)

12. REMARKS (List applicable special services in accordance with UG-120(d)):  
Monsanto P.O. # 2892-9-0007  
Recovery Column Lethal Service  
Cat. 013 Area 02  
Equip. No. 179.000

(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., Etc.—State Contents.  
<sup>1</sup> If postweld heat-treated.  
<sup>2</sup> 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 I.

Date February 3, 1976 Signed A. GUNTARD CO., INC. By Wesley J. Jurek  
(Manufacturer)

Certificate of Authorization No. 2459 Expires 2-28-78

CERTIFICATE OF SHOP INSPECTION

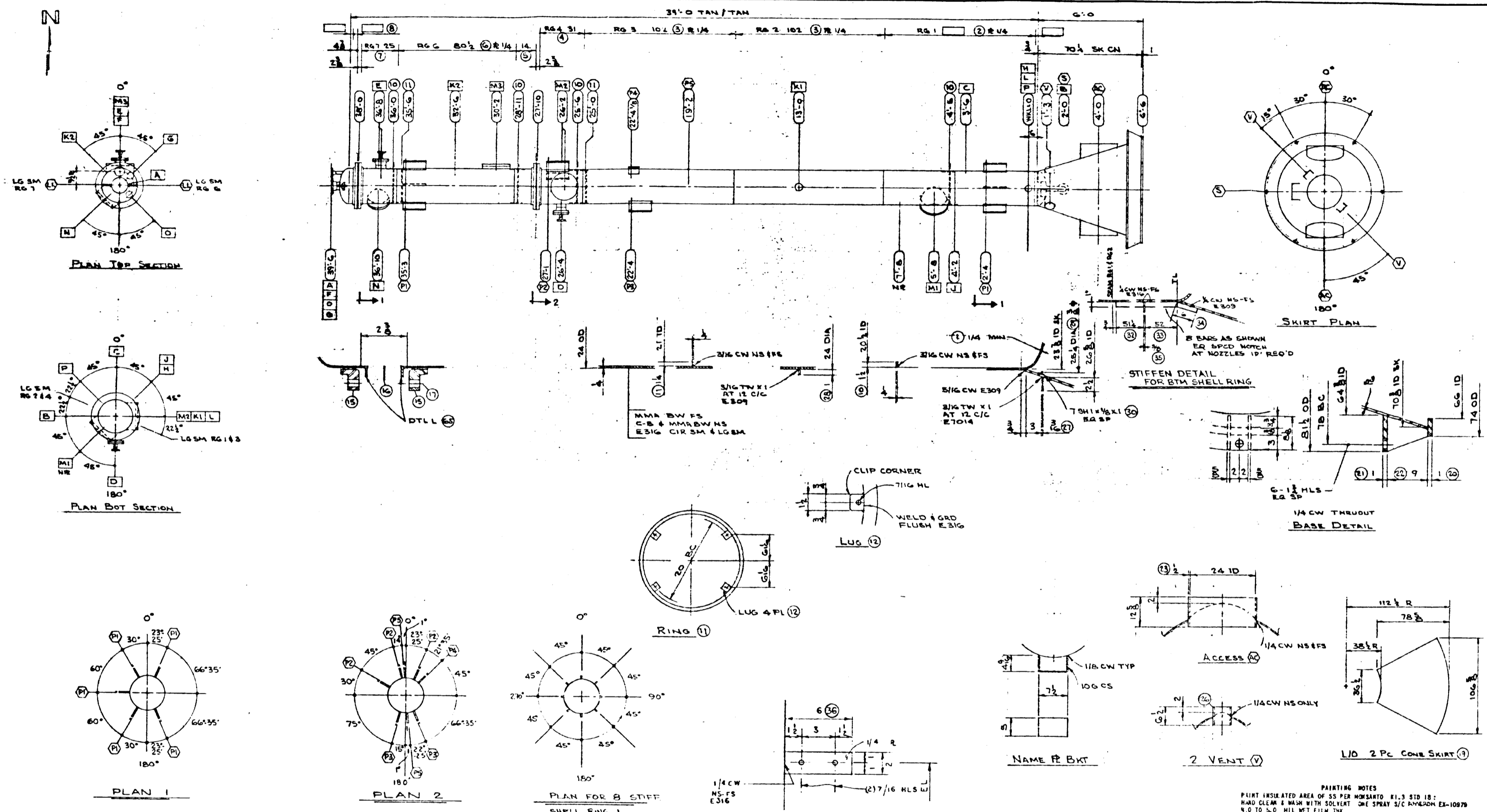
VESSEL MADE BY A. GUNTARD CO., INC. at EMMIS, TEXAS

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 Employers Casualty Company of Dallas have inspected the pressure vessel described in this manufacturer's data report on February 3, 1976 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 February 3, 1976

Wesley J. Jurek Inspector's Signature Commissions Texas 8477 Nat'l. Board, State, Province and No.



NO.	QTY	DESCRIPTION	UNIT	REMARKS
1	2	SA-200-316	CL. NO. 24.00 x 1/4 MIN. SF = 1 1/2	100 x 5 7/8
2	1	R. 102	3/8 x 1/4 x 74 5/8	
3	2	R. 31	1/4 x 1/4 x 74 5/8	
4	1	R. 16	1/4 x 1/4 x 74 5/8	
5	1	R. 80	1/2 x 1/4 x 74 5/8	
6	1	R. 26	1/4 x 1/4 x 74 5/8	
7	1	R. 8 3/8	1/4 x 1/4 x 74 5/8	
8	1	R. 1 1/2	1/4 x 74	
9	1	R. 1 1/4	1/4 x 74	
10	1	R. 1 1/4	1/4 x 74	
11	1	R. 1 1/4	1/4 x 74	
12	1	R. 1 1/4	1/4 x 74	
13	1	R. 1 1/4	1/4 x 74	
14	1	R. 1 1/4	1/4 x 74	
15	2	SA-181-1	30F 24 150 F 1/2 B 15	
16	2	ELECTRIC CORD	CS-18	
17	40	SA-183-07	370 1 1/4 x 7 3/4 W 2 UNITS	SA-183-20
18	1	SA-285-C	R. 78 9/8 x 3/16 x 195 9/8	2 PC ON 3x8
19	1	R. 37	1/4 x 1/4 x 74	6 SEC RING
20	1	R. 40	3/4 x 1/4 x 82 1/2	
21	1	R. 9	5/8 x 12 5/8	CUT 2 PCS
22	1	R. 12	5/8 x 1/2 x 77	
23	1	CS	PIPE 8 x 6 1/2	300 80
24	1	BR	2 1/2 x 3/16 x 107	
25	1	BR	1 x 3/16 x 30	
26	1	BR	3/8 x 3/8 x 30 5/16	
27	1	BR	1 x 1/8 x 1	
28	1	BR	1 x 1/8 x 1	
29	1	BR	1 x 1/8 x 1	
30	1	BR	1 x 1/8 x 1	
31	1	BR	1 x 1/8 x 1	
32	1	SA-316	R. 1 x 1/4 x 5 1/4	
33	1	R. 1	1/2 x 1/2 x 5 1/2	
34	1	R. 1	1/2 x 1/2 x 5 1/2	
35	1	R. 2	1/2 x 1/2 x 5 1/2	
36	2	R. 2	1/4 x 6	

GENERAL NOTES  
 CONSTRUCTION: 1974 ASME CODE SECTION VIII DIVISION I LETHAL SERVICE  
 DESIGN: 40 PSIG AT 500°F 1/16" CA  
 RADIOGRAPH: 100% (UW 51)  
 HEAT TREATMENT: NONE  
 JOINT EFFICIENCY: 100%  
 HYDROSTATIC TEST: 65 PSIG  
 INSPECTION BY EMPLOYER'S CASUALTY CO & MONSANTO  
 BOLT HOLES SHALL STRADDLE N-S OR VERTICAL CENTER LINES  
 MARK WORKING ON SHELL - 33 ONLY  
 ELEVATION DIMENSIONS ARE TO WORKLINE  
 DIMENSIONS MARKED THIS WAY ARE FOR SHOP USE ONLY  
 TOLERANCES: MONSANTO 90.1 STD IS  
 PROTECT FLANGE FACES WITH METAL OR WOOD COVERS

MONSANTO COMPANY  
 CONSTRUCTION CODE 2892-9-0007  
 TEXAS CITY, TEXAS 75685  
 RECOVERY COLUMN  
 EQUIP NO. 2-179

WT EMPTY 7500# WT FULL OF WATER 14950#  
 NAME PLATE DATA  
 INSTALL A GUNTHARD CO BRACKET & N.E. STAMPED WITH THE FOLLOWING DATA:  
 ASME CODE SYMBOL DIV 1 U WT  
 MAX WP 40 PSIG AT 500°F CORROSION ALLOWANCE 1/16"  
 MFR'S SERIAL NO. 74122 EQUIP NO. 2-179  
 MATERIAL SA-200-316  
 YEAR BUILT 1975 WT EMPTY 7500#

CUSTOMER: MONSANTO  
 PROJECT: P.O. NO. 2892-9-0007  
 EQUIP. NO. 2-179  
 ONE ONLY 24.00 x 39.0 TAN/TAN  
 RECOVERY COLUMN  
 EQUIP NO. 2-179  
 THIS DRAWING IS THE PROPERTY OF  
 A. GUNTHARD CO., INC.  
 ENNIS, TEXAS DALLAS, TEXAS

SCALE: 1/8" = 1'-0"  
 DATE: 1-15-78  
 DRAWN BY: P.R.R.  
 CHECKED: [ ]  
 DRAWING NUMBER: P-3832-1

ID	1	1 1/2	150#	RP WNF	PUMP RECYCLE
G	1	1			SPARE W/BLD
N	1	10		RP FPD	HANDLING BY ELDERMAN
MI-MS	3	1/2			
L	1	1		RP WNF	N2
K1 & K3	2	1 1/2			TW
J	1	2			LEVEL PRES
H	1	2			LEVEL
G	1	1			PRESSURE
F	1	2			RV
E	1	4			REFLUX INLET
D	1	4			FEED INLET
C	1	3			STEAM INLET
B	1	3			LIQUID OUTLET
A	1	4			VAPOR OUTLET

PAINTING NOTES  
 PAINT INSULATED AREA OF SS PER MONSANTO #1.3 STD 18:  
 HAND CLEAN & WASH WITH SOLVENT ONE SPRAY 3/4 AMPHON EX-10979  
 N.O TO 3.0 MIL MET FILM THE  
 QUANTIFIED SS NEED NOT BE PAINTED  
 PROTECT SS FROM ZINC RICH PRIMER USED ON CS  
 PREPARE ALL CS SURFACE: NEAR WHITE ABRASSIVE BLAST CLEANING PER  
 SPSO-SP10 WITH 1.0 TO 1.5 MIL PROFILE  
 PAINT INSULATED AREA OF CS SKIRT PER MONSANTO #1.3 STD C1:  
 ONE S/C CARBOZINC 11 GRAY 2.5 TO 3.5 MIL DFT  
 PAINT EXPOSED AREA OF CS SKIRT PER MONSANTO #1.3 STD A3:  
 ONE SPRAY S/C CARBOZINC 11 GRAY 2.5 TO 3.5 MIL DFT  
 ONE SPRAY S/C CARBOZINC 150 RB 9.5 TO 10.5 MIL ACCUMULATED DFT  
 PRIME ALL OTHER CS AS FOLLOWS:  
 ONE S/C CARBOLINE CARBONASTIC P3 U MIL DFT

NO.	DATE	BY	REVISIONS
1			COMPLETE Dwg PER MKD PRINTS 2-20-75
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SCHEDULE OF CONNECTIONS

THIS IS A REDUCED SIZE PRINT

29D203