

**FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS**  
As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by ELINT STEEL CORPORATION, MEMPHIS, TENNESSEE OF 9205  
(Name and address of Manufacturer)

2. Manufactured for E. A. Guse, Mayfield, Miss.  
(Name and address of Purchaser)

3. Type Horizontal Kind Tank Vessel No. (30246) (Mrs. Serial) (State & State No.)  
(HORIZ. OR VERT.) (TANK, JACKETED, HEAT EXCH.) (NAT'L Bd. No.) 30246 Yr. Bult. 1953

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of Heat Exchangers

4. SHELL: Material Case 10560RB T.S. 73000 Thickness 5.1 in. Allowance No in. Diam. 5 ft. 0 in. Length 40 ft. 0 in.  
(Kind and Spec. No.) (T.S. or F. B. & Lowest T. S.)

5. SEAMS: Long FWOW 52A db1. butt No S.R. No X.R. No Sectioned Yes Efficiency 80 %  
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No) (Describe or Attach Sketch)

6. HEADS: (a) Material SA 212 GR B P.Q. T.S. 70000 (b) Material SA 212 GR B P.Q. T.S. 70000  
(Kind and Spec. No.) (T.S. or F. B. & Lowest T. S.)

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) End	.43" Min.		2:1:1					Concave
(b) End	.43" Min.		2:1:1					Concave

If removable, bolts used \_\_\_\_\_ Other fastening \_\_\_\_\_  
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: \_\_\_\_\_ If hollow \_\_\_\_\_ Attachment \_\_\_\_\_ Pitch \_\_\_\_\_ X \_\_\_\_\_ Diam. \_\_\_\_\_  
(Material) (Size of Hole) (Threaded, Welded) (Holes) (Vert.) (Nominal)

8. JACKET CLOSURE: \_\_\_\_\_  
(Describe as cap & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for 250 psi. pressure of 130 °F. Max. Temp. -20 °F. Subzero. 375 psi. Hydrostatic Test.  
(Int.) (Describe or Attach Sketch)

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material \_\_\_\_\_ Diam. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Attachment \_\_\_\_\_  
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

11. TUBES: Material \_\_\_\_\_ O.D. \_\_\_\_\_ in. Thickness \_\_\_\_\_ in. Number \_\_\_\_\_ Type \_\_\_\_\_  
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material \_\_\_\_\_ T.S. \_\_\_\_\_ Thickness \_\_\_\_\_ in. Allowance \_\_\_\_\_ in. Diam. \_\_\_\_\_ ft. \_\_\_\_\_ in. Length \_\_\_\_\_ ft. \_\_\_\_\_ in.  
(Kind and Spec. No.) (T.S. or F. B. & Lowest T. S.)

13. SEAMS: Long \_\_\_\_\_ S.R. \_\_\_\_\_ X.R. \_\_\_\_\_ Sectioned \_\_\_\_\_ Efficiency \_\_\_\_\_ %  
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No) (Describe or Attach Sketch)

14. HEADS: (a) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material \_\_\_\_\_ T.S. \_\_\_\_\_  
(Kind and Spec. No.) (T.S. or F. B. & Lowest T. S.)

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

If removable, bolts used (a) \_\_\_\_\_ (b) \_\_\_\_\_ (c) \_\_\_\_\_  
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for 250 psi. pressure of \_\_\_\_\_ °F. Max. Temp. \_\_\_\_\_ °F. Subzero. \_\_\_\_\_ psi. Hydrostatic Test.  
(Int.) (Describe or Attach Sketch)

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number \_\_\_\_\_ Size 2-inch Location in top of shell one end

Outlet	Number	Size	Material	Reinforcement Material	How Attached
LIQUID	2	1-2" 1-3/4"	coupling steel	No	welded
VAPOR	2	1-2" 1-1/2"	"	"	"
EGGS	3	1-1" 2-3/4"	"	"	"

17. DISPERSION: \_\_\_\_\_ Handholes: \_\_\_\_\_ Threaded: \_\_\_\_\_  
18. OPERATIONS: \_\_\_\_\_  
19. SUPPORTS: \_\_\_\_\_

20. ABOVEGROUND LIQUIFIED PETROLEUM: \_\_\_\_\_  
21. WATER GALLON CAPACITY BUILT TO 1950 ASME CONST. SEC. VIII.

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

Date SEP 30 1953 Signed FLINT STEEL CORPORATION By [Signature]  
(Manufacturer)

Certificate of Authorization Expires No. 72 DECEMBER 31, 1955

### CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. B 3380  
VESSEL MADE BY FLINT STEEL CORPORATION at MEMPHIS, TENNESSEE

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in NATIONAL Board No. 2451, and employed by OCEAN ACCIDENT & GUARANTEE CORP. of New York,

inspected internally and externally, the vessel described in this report on 19, and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date SEP 30 1953 19 19  
[Signature] Commissions NATIONAL BOARD No. 2451  
Inspector's Signature State or Nat'l Bd. & Number

### CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF 19 and employed by 19 of 19 have compared the statements in this manufacturer's data report with the completed vessel, and certify that parts referred to as data items 19 were completed in the field in accordance with the requirements of the ASME Code for Unfired Pressure Vessels. The completed vessel was inspected and subjected to a hydrostatic test of 19 psi.

Date 19 19 19  
19 Commissions 19  
Inspector's Signature State or Nat'l Bd. & Number