



# TRANSTECH ENERGY

## 10,000-Gallon Storage Vessel Rocky Mount, NC

### VESSEL SPECIFICATIONS

Manufacturer	Year	Capacity (Liquid Gallons)	PSI	Serial Number/ National Board Number
Mississippi Tank	1956	10,000	250	26735/ 1062

The vessel listed is ASME certified and was manufactured by Mississippi Tank. This steel vessel is 6-foot in diameter and 50-foot in length with elliptical heads. The shell is constructed of A-212-B steel that is .639" thick. The heads are constructed with C-1056-B steel and are .4869" thick.



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

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Mississippi Tank Company, Inc. Hattiesburg, Mississippi  
(Name and address of Manufacturer)

2. Manufactured for \_\_\_\_\_  
(Name and address of Purchaser)

3. Type Horizontal Kind Tank Vessel No. 26733 (Mfr. Serial) (State & State No.)  
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Fig. or F. B. & Lowest T.S.) Nat'l Bd. No. 1062 Yr. Built 1956

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 A-212-B T.S. 70M Nominal Thickness .639 in. Allowance in. Diam. 6 ft. 0 in. Length 50 ft. 0 in.  
(Kind and Spec. No.) (Fig. or F. B. & Lowest T.S.)

5. SEAMS: Long Double Butt S.R. No X.R. No Sectioned Yes Efficiency 80 %  
(Weld, Dbl. Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)  
Girth Double Butt S.R. No X.R. No Sectioned Yes No. of Courses 6  
If riveted describe seams fully on reverse side of form

6. HEADS: (a) Material C-1056-B T.S. 73M (b) Material C-1056-B T.S. 73M  
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Cover or Conave) Size to Pressure  
(Top, bottom, ends) (a) End .4869 Hot formed 2:1 Concave  
(b) End .4869 Hot formed 2:1 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) (Horiz.) (Vert.) (Nominal)

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

9. Constructed for (Int.) pressure of 250 psi. Max. Temp. 650 °F. Subzero \_\_\_\_\_ °F. Hydrostatic Test 375 psi.  
Items 10 and 11 to be completed for tube sections.

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

11. TUBES: Material \_\_\_\_\_ O.D. \_\_\_\_\_ in. Thickness \_\_\_\_\_ inches or gage. Number \_\_\_\_\_ Type \_\_\_\_\_  
(Kind and 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. \_\_\_\_\_ Nominal Thickness in. Allowance in. Diam. ft. in. Length ft. in.  
(Kind and Spec. No.) (Fig. or F. B. & Lowest T.S.)

13. SEAMS: Long \_\_\_\_\_ S.R. \_\_\_\_\_ X.R. \_\_\_\_\_ Sectioned \_\_\_\_\_ Efficiency \_\_\_\_\_ %  
(Weld, Dbl. Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)  
Girth \_\_\_\_\_ S.R. \_\_\_\_\_ X.R. \_\_\_\_\_ Sectioned \_\_\_\_\_ No. of Courses \_\_\_\_\_  
If riveted describe seams fully on reverse side of form

14. Heads (a) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (b) Material \_\_\_\_\_ T.S. \_\_\_\_\_ (c) Material \_\_\_\_\_ T.S. \_\_\_\_\_  
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Cover or Conave) Size to Pressure  
(a) Top, bottom, ends \_\_\_\_\_  
(b) Channel \_\_\_\_\_  
(c) Floating \_\_\_\_\_  
If removable, bolts used (a) \_\_\_\_\_ (b) \_\_\_\_\_  
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for (Int.) pressure of \_\_\_\_\_ psi. Max. Temp. \_\_\_\_\_ °F. Subzero \_\_\_\_\_ °F. Hydrostatic Test \_\_\_\_\_ psi.  
Items below to be completed for all Vessels where applicable.

16. SAFETY VALVE OUTLETS: Number 2 Size 2" Location top

17. NOZZLES:  
Purpose (Inlet, Outlet, Drain) Number Diam. or Size Material Thickness Reinforcement Material Fu. How Attached  
2 1/4" 3000# Coupling Steel Various \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_  
1 3" 6000# \_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_

18. INSPECTION OPENINGS: Manholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
Handholes, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_  
Threaded, No. \_\_\_\_\_ Size \_\_\_\_\_ Location \_\_\_\_\_

19. SUPPORTS: Skirt \_\_\_\_\_ (Yes or No) Lugs \_\_\_\_\_ (Number) \_\_\_\_\_ Legs \_\_\_\_\_ (Number) \_\_\_\_\_ Other \_\_\_\_\_ (Describe) \_\_\_\_\_ Attached \_\_\_\_\_ Fu. How Attached \_\_\_\_\_ (Where & How)

20. REMARKS: 10,000 gallon water capacity propane storage tank.  
This vessel manufactured in accordance ASME Code 1950 and or 1952.  
(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler etc., State contents of each part.)  
(Over)

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 MAY 10 1956 Signed MISSISSIPPI TANK CO., Inc. By J. B. Hathorn  
(Manufacturer)

Certificate of Authorization Expires December 31, 1958

**CERTIFICATE OF SHOP INSPECTION**

Inspection Agency's Serial No. \_\_\_\_\_  
VESSEL MADE BY MISSISSIPPI TANK COMPANY, INC. at Hattiesburg, Mississippi

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF La. and employed by The State of Miss., inspected internally and externally, the vessel described in this report on JUN 8 - 1956, 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 JUN 8 - 1956  
Inspector's Signature Robert Colly Commissions \_\_\_\_\_ N. B. 1760  
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 \_\_\_\_\_ and employed by \_\_\_\_\_ of \_\_\_\_\_, have compared the statements in this manufacturer's data report with the completed vessel, and certify that parts referred to as data items 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 \_\_\_\_\_ psi.

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