



TRANSTECH ENERGY

10,000-Gallon Storage Vessel Rocky Mount, NC

VESSEL SPECIFICATIONS

Manufacturer	Year	Capacity	PSI	Serial Number/ National Board Number
Mississippi	1957	10,000	250	30356/ 1200

The vessel listed is ASME certified and was manufactured by Mississippi Tank Company. It has a National Board number with a U-1A data sheet. This steel vessel is 72" in diameter and 48- foot in length. The hemispherical heads are .869" thick and the shell is .66" 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 Horiz. Kind Tank Vessel No. 30355 (Mfr's. Serial) (State & State No.) Nat'l Bd. No. 1200 Yr. Built 1957
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.)

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. 70 M Nominal Thickness .65 in. Allowance _____ in. Diam. 6 ft 0 in. Length 18 ft 0 in.
(Kind and Spec. No.) (Fig. or F. B. & Lowest T.S.) I.D.

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) If riveted describe same fully on reverse side of form

Girth Double Butt S.R. No X.R. No Sectioned Yes No. of Courses 5

6. HEADS: (a) Material C-1056-B T.S. 73 M (b) Material C-1056-B T.S. 73 M

Location (Top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter (Convex or Concave)	Side to Pressure
(a) End	<u>.4869</u>	<u>Hot Formed</u>		<u>2:1</u>			<u>Concave</u>	
(b) End	<u>.4869</u>	<u>Hot Formed</u>		<u>2:1</u>			<u>Concave</u>	

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 case & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for ~~XXXX~~ 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 _____ or gage. Number _____ Type _____
(Kind and Spec. No.) (Str./cht 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 _____ %
(Welded, Dbl. Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No) If riveted describe same fully on reverse side of form

Girth _____ S.R. _____ X.R. _____ Sectioned _____ No. of Courses _____

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 (Convex or Concave)	Side to Pressure
(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 (Ext.) 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 2H Location Top

17. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Material	Reinforcement	Weld
	<u>2</u>	<u>1/4"</u>	<u>6000# Cup. Steel</u>	<u>Various</u>	<u>Fuge Weld</u>
	<u>1</u>	<u>3H</u>	<u>3000# Cup. Steel</u>	<u>Various</u>	<u>Fuge Weld</u>
	<u>1</u>	<u>1H</u>	<u>"</u>	<u>"</u>	<u>"</u>

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

19. SUPPORTS: Skirt _____ Lugs 1 Ground Legs _____ Other _____ Attached Fuge Weld
(Yes or No) (Number) (Describe) (Where & How)

20. REMARKS: 10,000 gallon water capacity Propane Storage Tank.
This vessel manufactured in accordance ASME Code 1956 Edition, Part 52a
(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 un-fired pressure vessel conform to the ASME Code for Un-fired Pressure Vessels.

Date May 16, 1957 19 _____ Signed MISSISSIPPI TANK CO., Inc. By W.B. Foley
(Manufacturer)

Certificate of Authorization Expires December 31, 1958

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. _____
VESSEL MADE BY MISSISSIPPI TANK CO., INC. at Hattiesburg, Miss.

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Un-fired Pressure Vessels in THE STATE OF Ark. and employed by The State of Miss., inspected internally and externally, the vessel described in this report on MAY 29 1957, 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 Un-fired Pressure Vessels.

Date MAY 29 1957 19 _____
Inspector's Signature _____ Commissions N.B. 3526
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 Un-fired Pressure Vessels in THE STATE OF _____ and employed by _____ of _____, have compared the statements in this manufacturer's data report with the complete 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 Un-fired 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