1144

NB: 2768

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 Wyatt Industries, Inc. HOUSTON, TEXAS (Name and address of Manufacturer)

2. Manufactured for THE RANSOME COMPANY P.O. BOX 3047 HOUSTON, TEXAS (Name and address of Purchaser)

3. Type Vert. (Horiz. or Vert.) Kind Jkt'd. (Tank, Jacketed, Heat Exch.) Vessel No. H-2478-61-93 Texas (Mfrs.' Serial) (State & State No.) Nat'l Bd. No 2768 Yr. Built 1962

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

4. Shell Material (Kind and Spec. No.) T.S. (Flg. or F. B. & lowest T. S.) Corrosion Allowance in Diam ft in Length ft. in.

5. Seams: Long (Welded, Dbl., Single, Lap, Butt) S.R (Yes or No) X.R (Spot or Complete) Sectioned (Yes or No) Efficiency % If riveted describe seams fully on reverse side of form

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

6. Heads (a) Material T.S (b) Material 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)								
(b)								

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

7. Staybolts (Material) If hollow (Size of Hole) Attachment (Threaded, Welded) Pitch (Horiz.) (Vert.) Diam (Nominal)

8. Jacket Closure: (Describe as ogee & weld bars etc. If bars give dimensions, if bolted, describe or sketch)

9. Constructed for {Int. / Ext.} pressure of psi Max. Temp °F Subzero °F Hydrostatic Test psi.

Items 10 and 11 to be completed for tube sections.

10. Tube Sheets: Stationary Material (Kind & Spec. No.) Diam (Subject to Pressure) in Thickness in. Attachment (Welded, Bolted)

Floating Material (Kind & Spec. No.) Diam in Thickness in Attachment

11. Tubes: Material (Kind & Spec. No.) O.D. in Thickness inches or gage Number Type (Straight or U)

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

12. Shell: Material Sperical # (Kind and Spec. No.) T.S. 95,000 (Flg. or F. B. & Lowest T. S.) Thickness 7/32" Corrosion Allowance 0 in Diam 3 ft 10½" OD Length = ft. = in.

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

Girth SW W/B.U.S. S.R YES X.R COMP. Sectioned NO

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	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) Other fastening (Describe or Attach Sketch)

15. Constructed for {Int. / Ext.} pressure of 390 psi / 15 psi Max. Temp 650 °F Subzero -320 °F Hydrostatic Test 800 psi.

Items below to be completed for all Vessels where applicable.

16. Safety Valve Outlets: Number Size

17. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached

18. Inspection Openings: Manholes, No. Size Location; Handholes, No. Size Location; Threaded, No. Size Location

19. Supports Skirt (Yes or No) Legs (Number) Lugs Three (3) (Number) Other (Describe) Attached Wld. to O.S. Shell. (Welded or Bolted)

20. Remarks: LIQUID OXYGEN SPHERE

(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooler, etc., state contents of each part.) (over)

17. Nozzles:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Fill & Outlet	One	3/4"Sch.10S	Pipe	SA-213T304SS	.083"	SA-213T304SS	Wld'd.
Vent & TopGage	do	do	do	do	.083"	do	do
Top Fill	do	do	do	do	.083"	do	do
Full Conn.	do	1/4"	do	do	.065"	do	do
VaporizerFeed	One	1/2"Sch.10S	Pipe	SA-213T304SS	.083"	SA-213T304SS	Wld'd.

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 AUG 14 1962 19 Signed Wyatt Industries, Inc. (Manufacturer) By Wendell Hunt

Certificate of Authorization Expires December 31, 1965

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. 17822

VESSEL MADE BY Wyatt Industries, Inc. at HOUSTON, TEXAS

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF TEXAS and employed by HARTFORD STEAM BOILER INSPECTION & INS. CO. of CONN., inspected internally and externally, the vessel described in this report on AUG 14 1962 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 AUG 14 1962 19...

NATIONAL BOARD # 1195

Inspector's Signature

Commissions TEXAS STATE COMMISSION # 25

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

* MATERIAL: SA-300-58T Cl.4 SA-353 Gr."B" F.B. (9% Nickel)