

For Vessels having parts built under different sections (W, ER, R, and F); use appropriate item headings for each part

1. Manufactured by Wyatt Metal & Boiler Works Inc., Dallas, Texas Mfrs. Shop Job No. 2715  
(Name and address of the manufacturer)

2. Manufactured for O. L. Olsen Company, Houston, Texas Purchaser's Order No. 24248  
(Name and address of the Purchaser)

3. Type Horizontal Vessel No. 56D2715-3 To be installed in Texas Date built 8/56  
(Horizontal or vertical-when in service) (Mfrs. Serial No.) (State and State No.) (Month and Year)

4. H. S. B. No. 53208

5. Have mill test reports been checked on all the plates or seamless vessel forgings entering this unfired pressure vessel? Yes

Do the chemical and physical properties of all plates or seamless vessel forgings meet the requirements of the Code? Yes  
(See chemical and physical report)

6. Shell or Drums: No. 1 Diameter 11 ft. 4 in. Length over all 91 ft. 4 in.  
(or width) Stud: 73,000  
Nuts:  
Bolts:  
7. Stamps on Shell Plates or seamless Forgings Case 1056 Rivets \_\_\_\_\_  
(Brand and lowest tensile strength) (ASTM or other specifications for carbon steel or alloy)

8. W'-Shell Plates 1/2 in. Style of Seams: Longitudinal Sgl. V Dbl. Butt  
EW-Shell Plates \_\_\_\_\_ in. (Riveted or fusion-welded, and type)  
R-Shell Plates \_\_\_\_\_ in. Butt Strap Thickness: Inside \_\_\_\_\_ in. Outside \_\_\_\_\_ in.  
F-Shell \_\_\_\_\_ in. (Thickness)

9. W-Joints Radiographed Yes Vessel Stress-Relieved No (Yes or No) Efficiency of Joint 90 per cent  
R-Diameter of Rivet Holes \_\_\_\_\_ in. Pitch of Rivets X X Efficiency of Joint \_\_\_\_\_ per cent  
(Vessel as built)

10. W-Girth Joints \_\_\_\_\_  
R-Girth Joints \_\_\_\_\_ Diameter Rivet Holes \_\_\_\_\_ in. Pitch of Rivets \_\_\_\_\_ in. No. of Courses 11  
(Riveted or fusion-welded, and type)

11. Outer Shell \_\_\_\_\_ in. Style of Seams: Longitudinal Girth \_\_\_\_\_ Length of Section or Course \_\_\_\_\_ ft. \_\_\_\_\_ in.  
(If jacketed, thickness) (Riveted or fusion-welded, and type)

12. Heads: (thickness) 7/16" Nom. in. Radius of dish \_\_\_\_\_ in. Radius of knuckle \_\_\_\_\_ in.  
Ratio of ellipae axis \_\_\_\_\_ Side to pressure { Top or one end Concave  
Bottom or opposite end \_\_\_\_\_  
If removable, head bolts used \_\_\_\_\_ or method of fastening \_\_\_\_\_  
(Number and size) (Describe or sketch on separate sheet)

13. W-Radiographic Inspection All or Per Cent Thickness X-Ray Heads 100% (7/16" Plate)  
a Longitudinal Joints 100% 1/2 in.  
b Circumferential Joints 1" Ea. Way at # intersection  
W Stress-Relieving Heads Ring Nos. Controlling Thickness Temp of Vessel Time Temp Is Held  
a If part of vessel only \_\_\_\_\_ in. \_\_\_\_\_ F \_\_\_\_\_ hr. \_\_\_\_\_ min.  
b If entire vessel \_\_\_\_\_ in. \_\_\_\_\_ F \_\_\_\_\_ hr. \_\_\_\_\_ min.

SEE ATTACHED SCHEDULE OF OPENINGS

14. Nozzle Outlets in Heads: No. \_\_\_\_\_ Size \_\_\_\_\_ Material of Nozzle or Reinforcement \_\_\_\_\_ How attached CW IS & OS  
Nozzle Outlets in Shell: No. \_\_\_\_\_ Size \_\_\_\_\_ Material of Nozzle or Reinforcement \_\_\_\_\_ How attached CW IS & OS  
(Riveted, welded, etc.)

15. Handholes or Sight Holes \_\_\_\_\_  
(Number, size, and location)

16. Manholes: In Heads \_\_\_\_\_ Reinforcement \_\_\_\_\_  
In Shell 1- 16" 150# (Inspection) Reinforcement Pad CW IS & OS  
(Number) (Size and location of each, distance off center of head) (Riveted, welded, etc., outside only or also insl.)

17. Method of supporting vessel Saddles  
(Lugs, skirt, or ring if on end; or saddles or lugs if horizontal)

18. a<sup>2</sup> Allowable working pressure at atmospheric temperature (See W-, R-, and F525) 121 psi  
b Hydrostatic test pressure 182 psi  
c Hydrostatic test pressure when hammer test 152 psi  
d Pressure test pressure if applied \_\_\_\_\_ psi  
c Location of yield if yielding occurred \_\_\_\_\_  
f<sup>2</sup> Hydrostatic test stress in longitudinal joints (W vessels only) 24,661 psi  
g Allowable operating stress (Two-thirds stress obtained in f) 16,449 psi

- MANUFACTURED BY -

# WYATT METAL & BOILER WORKS

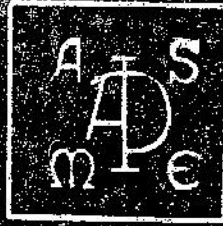
HOUSTON



- DALLAS

SERIAL  
NUMBER

56-D-2715-3



DESIGN  
PRES.

121

P. S. I.

H. S. B.  
NUMBER

53208

DESIGN  
TEMP.

450

° F.

STRESS  
RELIEVED

NO

RADIOGRAPHED

PART

MONTH  
BUILT

8

YEAR  
BUILT

1956

ITEM NO. TK-3