Form No. 1 Manufacturers' Data Report on an Unfired Pressure Vessel
As Required by the Provisions of the API-ASME Code

12TK-201

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

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

2 Manfactured for O. L. Olson Co., Houston, Texas (Name and address of the Purchaser) Purchaser's Order No. 24248

3 Type Horizontal (Horizontal or vertical—when in service) Vessel No. 56D2715-1 (Mfrs. Serial No.) To be installed in Texas (State and State No.) Date built 7/56 (Month and Year)

HSB # 53206

4 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)

5 Shell or Drums: No. 1 Diameter 11 ft. 4 in. (or width) Length over all 91 ft. 4 in.

Studs:

Nuts:

6 Stamps on Shell Plates or seamless Forgings Case 1056 (Brand and lowest tensile strength) Rivets 73,000 Bolts: (ASTM or other specifications for carbon steel or alloy)

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

8 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)

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

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

11 Heads: (thickness) 7/16" Nom in. Radius of dish in. Radius of knuckle
Flat, dished, elliptical, integral Ratio of ellipse axis
Conical, Hemispherical Included angle if conical Side to pressure: Top or one end Concave; Bottom or opposite end "
If removable, head bolts used (Number and size) or method of fastening (Describe or sketch on separate sheet)

12 W—Radiographic Inspection

	All or Per Cent	Thickness
a Longitudinal Joints	100	1/2 in.
b Circumferential Joints	4" each way at	in.

Heads 100% X-Ray 7/16" Plate 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

13 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.)

14 Handholes or Sight Holes (Number, size, and location)

15 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 inside)

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

17 a[2] Allowable working pressure at atmospheric temperature (See W-, R-, and F-525) 121 psi
b Hydrostatic test pressure 182 psi
c Hydrostatic test pressure when hammer test 152 psi
d Proof test pressure if applied psi
e Location of yield if yielding occurred
f[2] 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

18 Constructed for pressure of 121 psi. With specified operating temperature of 450 F. With corrosion allowance of 0 in.

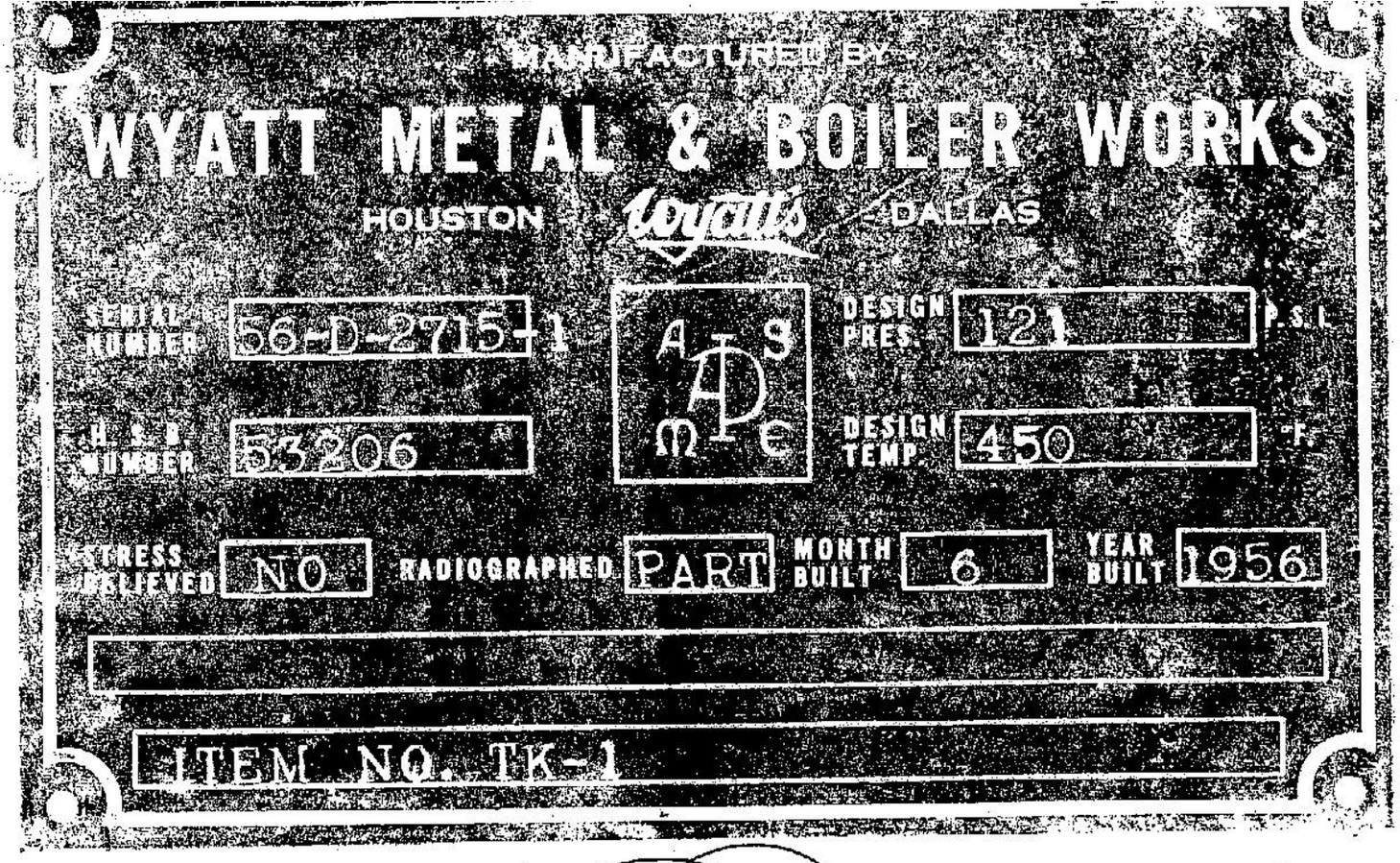
Remarks 11' 4" O.D. x 91' 4" S-S Feed Tank

Item No. TK-1 Dwg. No. E-9494

[1] W—Welded, EW—Welded External Pressure, R—Riveted, F—Seamless Forged.
[2] When there are shell sections of different thicknesses, each section shall be treated separately.

WE CERTIFY the above data to be correct and that all details of material, construction, and workmanship on this unfired pressure vessel conform to the API-ASME Code for Unfired Pressure Vessels for Petroleum Liquids and Gases.

Date 7/25/1956 Signed Wyatt Metal & Boiler Works (Manufacturer) By
Hartford Steam Boiler
7/25/1956 Checked by (Inspector) For Insp. & Insurance Co.


MANUFACTURED BY
WYATT METAL & BOILER WORKS
HOUSTON
Wyatt's
DALLAS
SERIAL NUMBER 56-D-2715-1
A S
M E
DESIGN PRES. 121 P.S.I.
N.B. NUMBER 53206
DESIGN TEMP. 450 °F.
STRESS RELIEVED NO
RADIOGRAPHED PART
MONTH BUILT 6
YEAR BUILT 1956
ITEM NO. TK-1

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