

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

As Required by the Provisions of the A.S.M.E. Code Rules

1. Manufactured by Chicago Bridge & Iron Co., 1305 W. 105th St., Chicago, Illinois
(NAME AND ADDRESS OF MANUFACTURER)
 2. Manufactured for **Phillips Petroleum Co. for Chain Belt Company,**
(NAME AND ADDRESS OF THE PURCHASER) **Milwaukee, Wisconsin**
 3. Type Horizontal Unfired Pressure Vessel No. **C-2162** (HORIZONTAL OR VERTICAL) (MFRS. SERIAL OR A.S.M.E. NO.) **N.B. 1795** (STATE AND STATE NO.) Year built **50**
 4. Have mill-test reports been checked on all the plate entering this unfired pressure vessel. Yes
Do the chemical and physical properties of all plates meet the requirements of the Code. Yes
 5. SHELL or DRUMS: No. 1 Diameter **8 ft. 2 1/2 in.** Length over-all **43** ft. **2** in. Height **2** ft. **2** in. (OR WIDTH)
 6. STAMPS on shell plates **A-212 Firebox, 70,000** Rivets, stays, and braces **(IRON OR STEEL)**
(BRAND AND LOWEST TENSILE STRENGTH) **Fusion Weld** **Fusion Weld**
 7. SHELL PLATES **1.00 in.** butt straps **1.00 in.** Style of seams: Longitudinal **Double Butt** Girth **Double Butt**
(OUTER THICKNESS) (THICKNESS) (RIVETED, FORGE WELDED, BRAZED, OR FUSION WELDED--PAR NO.)
 8. Diameter of rivet holes **1 in.** Pitch of rivets **X** **X** Efficiency of joint **80** %
 9. GIRTH JOINTS Diameter rivet holes **1 in.** Pitch of rivets **1 in.** No. of courses **1**
(SINGLE OR DOUBLE RIVETED)
 10. INNER SHELL **1 in.** Style of seams: Longitudinal **Double Butt** Girth **Double Butt** Length of section or course **43** ft. **2** in.
(THICKNESS) (RIVETED, FORGE WELDED, BRAZED, OR FUSION WELDED--PAR NO.)
 11. HEADS: Hemispherical **0.50 in.** Radius of Dish **4 ft. 7-3/8 in.** Side to pressure **Concave**
(THICKNESS) (CONCAVE OR CONVEX)
- If removable, bolts used **1/2 in. x 3/4 in.** or method of fastening **Welded**
(NUMBER AND SIZE) (DESCRIBE OR SKETCH)

	NO.	SIZE	NET AREA	WELDED OR WELDLESS	WHEN TO BE STAYED	MAXIMUM ALLOWABLE WORKING PRESSURE
12. (a) F. H.						
(b) R. H.						
(c) Through						
(d) Diagonal and Gusset						

13. STAYBOLTS **hollow** (IRON OR STEEL) **1 in.** (SIZE OF HOLE) **14** Maximum pitch **18 in.** (HORIZONTAL) **18 in.** (VERTICAL) Diameter **1 in.** (OVER THE THREADS)
15. SAFETY VALVE outlets: No. **2** Size **4-1/8" G.**
16. FUSIBLE PLUG (if used): No. **1** Diameter and material of filling **1 in. x 1/2 in. lead** Location **top**
17. OUTLETS: No. **1** Size **1-1/2" G.** Material of nozzle or reinforcement **1 in. x 1/2 in. lead** How attached **Tapped in**
(RIVETED, WELDED, ETC.) **manhole cover**
18. DRAIN connection. **2** HAND HOLES or SIGHT HOLES **1 in.** (NUMBER, SIZE, AND LOCATION)
19. MANHOLES: **1** **18" G** in shell Reinforcement **36" G x 0.85 A-212 70,000 lb. P.L. Welded**
(NUMBER) (SIZE AND LOCATION OF EACH) (RIVETED, WELDED, ETC.)
20. NONPRESSURE PARTS. (a) Supporting lugs **16** Supporting skirts **16** (b) Other nonpressure parts **16**
(NUMBER) (NUMBER) (KIND AND NUMBER)
for Ladder & Platform, Gauge Cover & Loading
(c) Where and how attached **Concrete saddles supporting vessel.**
21. Bursting pressure 1000 psi Hydrostatic test **312.5** 400 lb. 22. Constructed for pressure on **250** psi Factor of safety **4**

Remarks: Propane tank constructed in accordance with **ASME** **Sec. VIII** of **ASME** code for Unfired Pressure Vessels.
(VESSEL TO BE USED FOR AIR, GAS, AMMONIA, ETC.)

C.B. & I. Contract **5-6468**
National Board Classification Area **595** sq. ft.

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 A.S.M.E. Code for Unfired Pressure Vessels.

Date: **NOV. 20, 1950** 19 **50** Chicago Bridge & Iron Company **O.P. Kella**
(MANUFACTURER)

Expiration Date of Certificate of Authority **December 31, 1952**

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number **S-1700**

VESSEL MADE BY Chicago Bridge & Iron Co., at Chicago, Illinois

I, the undersigned, holding a certificate of competency as an inspector of steam boilers in the
STATE OF Ohio & N.J., and employed by the Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Con-
necticut, inspected internally and externally, the vessel specified in this report, on **NOV 22 1960**

.....19....., and certify that the statements made on this report are correct, corresponding
with the mill test reports of material as furnished by the builders, and measurements made of the vessel
when completed; and that this vessel is constructed in accordance with the A.S.M.E. Code Rules for the
Construction of Unfired Vessels.

J. M. Walter
Inspector for State or Boiler Insurance Company.

National Board No. *600*

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, inspector of pressure vessels employed by.....
....., have compared the statement in this manufacturer's data report with the completed vessel
and certify that parts referred to as data items..... not included in the certificate of shop in-
spection; are 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.

Date19.....
Inspector
Commissions.....
State or Natl. Board, and No.