

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 the manufacturer)
2. Manufactured for **Skelly Oil Co. for Chevrolet General Motors, Janesville, Wis.**
(Name and address of the purchaser)
3. Type **Horizontal** Unfired Pressure Vessel No. (**C-2017**) (**N.A. 1730**) Year built 19**49**
(Horizontal or Vertical) (Mfr.'s serial, or A.S.M.E. No.) (State and State No.)
4. Have mill test reports been checked on all the plates 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. 10 in.** Length over-all **67 ft. 0 1/2 in.** Height **.....** ft. **.....** in.
(or width)
6. STAMPS on shell plates **A-212 Firebox, 70,000** Rivets, stays, and braces. **.....**
(Brand and Lowest Tensile Strength) (Iron or steel)
7. SHELL PLATES **0.94 in.** Butt straps **..... in.** Style of seams: Longitudinal **Fusion Weld** Girth **Fusion Weld**
(Outer Thickness) (Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded-Par No.)
8. Diameter of rivet holes **..... in.** Pitch of rivets **..... X X** Efficiency of joint **80** %
9. GIRTH JOINTS. Diameter rivet holes **..... in.** Pitch of rivets **..... in.** No. of courses **7**
(Single or double riveted)
10. INNER SHELL **..... in.** Style of seams: Longitudinal **.....** Girth **.....** Length of section or course **.....** ft. **.....** in.
(Thickness) (Riveted, Forge Welded, Brazed, or Fusion Welded-Par No.)
11. HEADS: **Elliptical, 0.77 in.** Ratio **1 to 2 in.** Side to pressure **Concave**
(Thickness) (Concave or convex)
- If removable bolts used **.....** or method of fastening **.....**
(Number and size) (Describe or sketch)

| STAYS | No. | Size | Net Area | Welded or Weldless | Area to be Stayed | Maximum Allowable Working Pressure |
|-------------------------------------|-------|-------|----------|--------------------|-------------------|------------------------------------|
| (a) F. H. | | | | | | |
| (b) R. H. | | | | | | |
| (c) Through. | | | | | | |
| (d) Diagonal and Gusset Stays. | | | | | | |

13. STAYBOLES: If hollow **.....** 14. Maximum pitch **..... X X** Diameter **.....** in.
(Iron or Steel) (Size of hole) (Horizontal) (Vertical) (Over the threads)
15. SAFETY VALVE outlets: No. **2** Size **4 1/8" Ø**
16. FUSIBLE PLUG (if used): No. **.....** Diameter and material of filling **.....** Location **.....**
17. OUTLETS: No. **1** Size **2 1/4" X 3/4"** Material of nozzle or reinforcement **.....** How attached **Tapped in manhole cover**
(Riveted, Welded, etc.)
18. DRAIN connection **..... in.** HAND HOLES or SIGHT HOLES **.....**
(Size) (Number, size, and location)
19. MANHOLES: **1** **18" Ø in shell** Reinforcement **36" Ø x 0.85" A-212 70,000 lb. Pl. Welded**
(Number) (Size and location of each) (Riveted, Welded, etc.)
20. NONPRESSURE PARTS. (a) Supporting legs **.....** Supporting skirts **.....** (b) Other nonpressure parts **.....**
(Number) (Kind and number)
- (c) Where and how attached **Concrete saddles supporting vessel.**
21. Bursting pressure **1000 psi** Hydrostatic test **300 & 400 lb.** 22. Constructed for pressure of **200 psi** Factor of safety **5**

Remarks: **Propane tank constructed in accordance with Par. U-69 of ASME code For Unfired Pressure Vessels**
(Vessel to be used for air, gas, ammonia, etc.)

C.B.&I. Contract 5-4891
National Board Classification Area 603 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 **1-1-49** Signed **Chicago Bridge & Iron Company**
(Manufacturer)

Expiration Date of Certificate of Authority **12-31-49**

CERTIFICATE OF SHOP INSPECTION

Insurance Company's Serial Number... **Q-1602**...

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.B., and employed by the **Hartford Steam Boiler Insp. & Ins. Co. of Hartford, Connecticut**, inspected internally and externally, the vessel specified in this report, on... **NOV 11 1942**

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.

James A. Clark

Inspector for State or Boiler Insurance Company.

National Board No. **064**

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
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