

FORM U-1-A MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
ALTERNATE FORM FOR SINGLE CHAMBER COMPLETELY SHOP FABRICATED VESSELS ONLY

UN11
#21

53152

1. Manufactured by LUBBOCK MANUFACTURING COMPANY, LUBBOCK, TEXAS
(Name and address of Manufacturer)

2. Manufactured for Ace Gas, Inc. Highway 8 East, Superior, Nebraska 68978
(Name and address of Purchaser)

3. Type Horiz Vessel No. (57490) Nat'l Bd. No. 1761 Year Built 1970
(Horiz. or Vert.) (Mfr's Serial) (State & State No.)

4. SHELL: Material SA517-E T.S. 115,000 Nom. Thick. 3.399 in. Allow. 3.399 in. Diam. 86 in. Length 366 in.
(Kind & Spec. No.) (Fig. or F. B. & Spec. Min. T. S.)

5. SEAMS: Long Welded Butt H. T. Yes X.R. Comp Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Comp.) (Yes or No)

6. HEADS: (a) Material SA517-E T.S. 115,000 (b) Material SA517-E T.S. 115,000
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter Side to Pressure
(Top, bottom, ends) (Convex or Concave)

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex angle	Hemispherical Radius	Flat Diameter	Side to Pressure
(a) End	250"					43"		Concave
(b) End	250"					43"		Concave

7. Construct for max. allowable working press. 265 psi. at max. temp. 150 °F. Min. temp. (when less than -20°) 0 °F. Hydrostatic Test Press. 530 psi.

8. SAFETY OR RELIEF VALVE OUTLETS: Number 2 Size 3" Location Top

9. NOZZLES:

Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
Liquid	1	4"	Flange	SA517E	1 1/2"	Integral	Welded
Fill	1	3"	Flange	SA517E	1 1/2"	Integral	Welded
Vapor	2	2"	Flange	SA517E	1 1/2"	Integral	Welded
Vent	1	3/4"	Flg. Cpl.	SA517E	1"	Integral	Welded
G.A.	5	1/4"	Plate	SA517E	1"	Integral	Welded
B.G.	1	1"	Cpl.	Steel	3000#	Integral	Welded

10. Inspection Manholes, No. 1 Size 15" Location end

OPENINGS: Handholes, No. 1 Size 15" Location end

Threaded, No. 1 Size 15" Location end

11. SUPPORTS: Skirt Yes Lugs Yes Legs Yes Other Steel Saddles Attached Bottom Welded
(Yes or No) (Number) (Number) (Describe) (Where & How)

12. REMARKS: MC331 straight barrel LPG or ammonia transport. All outside welds were inspected by magnetic particle method. All inside welds were inspected by wet fluorescent magnetic particle method.
(Brief description of purpose of the vessel as Air Tank, Water Tank, L.P.G., - State Contents)

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this unfired pressure vessel conform to the ASME Code for Unfired Pressure Vessels.

Date 7-24 19 70 Signed Lubbock Manufacturing Co. By J. C. Payne
(Manufacturer)

Certificate of Authorization Expires December 31, 1970

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY LUBBOCK MANUFACTURING COMPANY at LUBBOCK, TEXAS
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of TEXAS and employed by EMPLOYERS COMMERCIAL UNION INS. CO. of AMERICA have inspected the pressure vessel described in this

manufacturer's data report on 7-24 19 70, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 8-9-70 19 70 Signed Doyle Freeman Commissions NATIONAL BOARD # 6770
Inspector's Signature Nat'l Board or State and No.