

77231

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by EVCO FABRICATION 10925 CR 125 MIDLAND, TX. 79711
(Name and address of manufacturer)
2. Manufactured for DICKSON AND TRYER ENGINEERING CO., INC. P.O. BOX 60478 MIDLAND, TX.
(Name and address of purchaser)
3. Location of installation FORMOSA HYDROCARBONS, POINT COMFORT, TX.
(Name and address)
4. Type VERT 0577 NA 0311-D-008 448 1-77
(Mater. or vert. code) (Mfg.'s serial No.) (Code) (Drawing) (Part, Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Boiler and Pressure Vessel Code. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1. Year 1989

A 90 NA NA
(Addenda class) (Code Case No.) (Special codes per UG-120(c))

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers

6. Shell: SA-106B 375 0625 15.25" 12' 0"
(Mat. Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft & in.)) (Length (Overall) (ft & in.))
7. Seams: SMLS NA 85 NA
(Long. (Dbl., Sgl.)) (R.T. (Spot or Full)) (PR. No.) (H.T. Temp. (°F))
- NA WELD DBL BUTT SPOT 1
(Time) (Swh. (Dbl., Sgl.)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

8. Heads: (a) Matl. SA-234-WPB (b) Matl. _____
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	TOP	.3125	.0625			2:1				CONCAVE
(b)										

If removable, bolts used (describe other fastenings) NA
(Matl. Spec. No., Gr., Size, No.)

9. Type of Jacket _____ Proof Test _____
10. Jacket Closure _____ If bar, give dimensions _____ If bolted, describe or sketch.
(Describe as edge & weld, bar, etc.)
11. MAWP 150 psi at max. temp. 400 °F. Min. design metal temp. -20 °F at 150 psi.
 Hydro., pneu., or comb. test press. 427 psi.

Items 12 and 13 to be completed for tube sections

12. Tubesheets: SA-516-70 15.25" 1.0 0625 WELDED
(Stationary Mat. (Spec. No., Gr.)) (Diam. (in.) (Subject to pressure)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Attach. (Welded, Bolted))
- SA-106B 1.315" 1.049 85 STRAIGHT
(Floating Mat. (Spec. No., Gr.)) (Diam. (in.)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Attach. (Type (Straight or "U"))

Items 14-17 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers

14. Shell: SA-106B 375 0625 15.25" 11"
(Mat. Spec. No., Grade) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft & in.)) (Length (Overall) (ft & in.))
15. Seams: SMLS NA 85 NA
(Long. (Dbl., Sgl.)) (R.T. (Spot or Full)) (PR. No.) (H.T. Temp. (°F))
- NA WELD DBL BUTT SPOT 1
(Time) (Swh. (Dbl., Sgl.)) (R.T. (Spot, Partial, or Full)) (No. of Courses)

16. Heads: (a) Matl. _____ (b) Matl. _____
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)										
(b)										

If removable, bolts used (describe other fastenings) _____
(Matl. Spec. No., Gr., Size, No.)

17. MAWP 150 psi at max. temp. 400 °F. Min. design metal temp. -20 °F at 150 psi.
 Hydro., pneu., or comb. test press. 427 psi.

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Form U-1 (Back)

18. Nozzles, Inspection and Safety Valve Openings:

Part (Inlet, Outlet, Drain, etc.)	No.	Dim. or Size	Type	Mat.	Nom. Thk.	Reinforcement Mat.	How Attached	Location
INLET	1	1.5"	CPLG	SA-105	6000#	WELD	WELDED	SHELL
OUTLET	1	1.5"	CPLG	SA-105	6000#	WELD	WELDED	SHELL
OUTLET	1	3"	PIPE	SA-106B	.300	WELD	WELDED	TOP HD SH
FILL	1	6"	PIPE	SA-106B	.280	WELD	WELDED	SHELL
DUMP	1	6"	PIPE	SA-106B	.280	WELD	WELDED	SHELL

19. Supports: Skirt NO Lug NO Leg NO Other NA Attached NA
(Yes or no) (No.) (No.) (Describe) (Where and how)

20. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: NA
(Name of part, item number, mfg's name and identifying stamp)

RE-656 GLYCOL STILL/REFLUX CONDENSER. ALL FLANGES ARE 150# RF SA-105 MIN TEMP EXEMPT PER UG 80 T

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 17592 expires 3-16, 1993
 Date 10/4/91 Co. name EVCO FABRICATION INC. Signed J.A. Stano
(Manufacturer) (Inspector)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by EVCO FABRICATION INC. at 10925 CR 125 MIDLAND, TX, 79711
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of TEXAS and employed by COMMERCIAL UNION INS. CO. of BOSTON MA.
 have inspected the pressure vessel described in this Manufacturer's Data Report on 10-4, 1991, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in the 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 10-4-91 Signed [Signature] Commissions TX1090 NB 8875
(Authorized Inspector) (Nat'l Board, State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the field assembly construction of all parts of this vessel conforms with the requirements of Section VIII, Division 1 of the ASME Boiler and Pressure Vessel Code.

"U" Certificate of Authorization No. _____ expires _____, 19____
 Date _____ Co. name _____
(Assembler that certified and constructed field assembly) (By Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of _____ and employed by _____ of _____
 have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items _____, not included in the certificate of shop inspection, have been inspected by me and that, to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of _____ psi. 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 _____ Signed _____ Commissions _____
(Authorized Inspector) (Nat'l Board Incl. Inspectors, State, Prov., and No.)