

# FORM U-1A MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS (Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)

as required by the provisions of the ASME Code rules, Section VIII, Division 1

1. Manufactured and certified by GEA RAINEY CORPORATION, 5202 WEST CHANNEL ROAD, PORT OF CATOOSA, CATOOSA, OKLAHOMA  
(name and address of manufacturer)

2. Manufactured for NATURAL GAS PIPELINE CO. OF AMERICA, 122 S. MICHIGAN AVE., CHICAGO, IL 60603  
(name and address of purchaser)

3. Location of installation NATURAL GAS PIPELINE CO., SAYRE, OKLAHOMA  
(name and address)

4. Type: HORIZ. AIR FIN R-1239-1A -- R-1239-1-1 256 84  
(horiz. or vert., tank) (mfr's. serial no.) (CRN) (drawing no.) (Nat'l. 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 Code, Section VIII, Division 1: 83  
(year)

6. Shell: SA516-70 1 1/8" 1/16" -- --  
(mat'l. spec. no., grade) (nom. thickness (in.)) (corr. allow. (in.)) (dia. ID (ft. & in.)) (length (overall) (ft. & in.))

7. Seams: SINGLE BUTT FULL -- 1125°F 1 -- -- --  
(long. welded, dbl., angl. lap, butt) (RT (spot or full)) (eff. (%)) (HT temp. (°F)) (time (hr.)) (girth welded, dbl., angl. lap, butt) (RT (spot, partial, or full)) (no. of courses)

8. Heads: (a) SA516-70 (b) SA516-70  
(mat'l. spec. no., grade) (mat'l. 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)	TUBE & PLUG	1 1/8"	1/16"	MAX	SPAN 7	3/4"				
(b)	TOP, BOTT & END	3/8"	1/16"	MAX	SPAN 6"					

If removable, bolts used (describe other fastenings): \_\_\_\_\_  
(mat'l., spec. no., gr., size, no.)

9. MAWP: 100 at max. temp. 250°F Min. temp. \_\_\_\_\_ Hydro., pneu. or comb. test pressure 150  
(psi) (°F) (when less than -20°F) (psi)

## 10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No	Dia. Size	Type	Mat'l.	Nom. Thickness	Reinforcement Mat'l.	How Attached	Location
INLET	1	12"-150#	RFWN	SA-105	SCH 80		Weld	Front
OUTLET	1	12"-150#	RFWN	SA-105	SCH 80		Weld	Rear
VENT	1	3/4"-6000#	CPLG				Weld	Rear
DRAIN	1	3/4"-6000#	CPLG				Weld	Front

11. Supports: Skirt -- Lugs -- Legs -- Other -- Attached --  
(yes or no) (no) (no) (describe) (where & how)

12. Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

BOX HEADERS @ TUBE ENDS FOUR (4) ROWS, THREE (3) PASS, 158 - 1" O.D. X .060 MW  
X 26' 0" LG. (MAT'L SA-214), FRONT HEADER INSIDE DIM'S (6" X 7 3/4" X 94 3/4").  
REAR HEADER INSIDE DIM'S (6" X 7 3/4" X 94 3/4") NOZZLE PIPE (SA-234WPB)  
OVER ALL SIZE (16" X 95 3/4" X 326 1/4")

## 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. 12997 expires 6/3, 1994

Date 4-10-84 Name GEA RAINEY CORPORATION Signed Dan J. Wilson  
(manufacturer) (representative)

## CERTIFICATE OF SHOP INSPECTION

Vessel constructed by GEA RAINEY CORPORATION, 5202 WEST CHANNEL ROAD, PORT OF CATOOSA, CATOOSA, OKLAHOMA

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the state or province of OKLAHOMA and employed by ROYAL INSURANCE CO.

of NEW YORK, N.Y. have inspected the component described in this Manufacturers' Data Report on APR. 10, 1984 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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 Manufacturers' 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 APR. 10, 1984 Signed Michael R. Pope Commissions OK 119 NB 9265  
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state, prov. and no.)