

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)
A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

4/4

1. Manufactured and certified by Valmont/Tulsa, 801 North Xanthus, Tulsa, OK 74110
(Name and address of Manufacturer)

2. Manufactured for NATCO, BUSINESS HWY. 287, ELECTRA, TX 76360
(Name and address of Purchaser)

3. Location of installation UNKNOWN

4. Type: SHELL MK 3708 NA
(Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's. serial No.) (CRN)

NA BS11265 Valmont/Tulsa 1996
(Nat'l. Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 1995 NA NA
Edition and Addenda (date) Code Case No. Special Service per UG-120(d)

6. Shell (a) No. of course(s): ONE (b) Overall length (ft & in.): 5'-0"

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
No.	Diameter, in.	Length, ft & in.	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	54 OD	5'-0"	SA-516-70N		***	NA	1	FULL	NA		NONE	NA	NA	NA

7. Heads: (a) NONE (b) NONE
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp. (Mat'l Spec. No., Grade or Type) H.T. - Time & Temp.

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	NA	NA	NA	NA	NA			NA	NA			NONE	NA
(b)													

If removable, bolts used (describe other fastening) NA

8. MAWP NA NA psi at max. temp. NA NA °F. Min. design metal temp. NA °F at NA psi.
(Internal) (External) (Internal) (External)

9. Impact test (YES) SHELL@-20F.
(Indicate yes or no and the component(s) impact tested)

10. Hydro., pneu., or comb. test press. NA Proof test NA

11. Nozzles, inspection, and safety valve openings: None

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	

12. Supports: Skirt NO Lugs NA Legs NA Others NA Attached NA
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: Weld procedures qualified in both "AS-WELDED" and "PWHT" condition
Valmont not responsible for design consideration
MATERIAL THK'NESS: 2.375"****
JOB # 4I773-96 PO# E62433

CERTIFICATE OF SHOP/FIELD COMPLIANCE

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

U Certificate of Authorization No. 21,072 Expires February 28, 19 98

Date 9-13-96 Name Valmont/Tulsa Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD 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 OK and employed by Commercial Union Insurance Co. of Boston, MA have inspected the pressure vessel part described in this Manufacturer's Data Report on 9-13-, 19 96, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part 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 part 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 9-13-96 Signed [Signature] Commissions OKLA. # 251
(Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)