

NOV 9 2004

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FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSEL
(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only
As required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and Certified by MAR-QUINN INDUSTRIES LTD., 7115 SPARROW DRIVE, LEDUC, ALBERTA, CANADA, T9E 7L1
2. Manufactured for: Enerflex Leasing Ltd. 4700-47 Street S.E. Calgary AB T2B 3R1
3. Location of installation: stock
4. Type: Separator 138-02-04 R9125 213 330 Rev C N/A 2004
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
- to 2003 N/A N/A
6. Shell: SA-516-70N 1.375 0.125 60 in. OD 23'-10.375"
7. Seams: Type 1 Full 100 1150 1.5 Type # 1 Full 2
8. Heads: (a) Mat'l SA-516-70N (b) Mat'l SA-516-70N

Location (Top, Bottom, Ends)	Minimum Thickness	C.A.	Crown Radius	Knuckle Radius	Elliptical Radius	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) TOP	1.3125	0.125	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b) BOTTOM	1.3125	0.125	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings) N/A

(Mat'l, Spec., No., Gr., Size., No.)

9. MAWP 740 psi at max. temp. 100 °F
- Min. design metal temp. -20 °F at 740 psi. Hydro., pneu., or comb. test pressure 962 psi.
10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. Or Size	Type	Mat'l	Nom. Thk.	Reinforcement Mat'l	How Attached	Location
Gas Inlet/Insp.	1	10 in. NPS	300#RFRWN	SA105N/SA106B	0.593 in.	SA-516-70N	UW16.1(c)	Shell
Gas Out	1	8 in. NPS	300#RFRWN	SA105N/SA106B	0.500 in.	SA-516-70N	UW16.1(c)	Shell
Water/Cond. Out	2	4 in. NPS	300#RFRWN	SA105N/SA106B	0.531	N/A	UW16.1(c)	Shell
Spare	1	4 in. NPS	300#RFRWN	SA105N/SA106B	0.531	N/A	UW16.1(c)	Boot Shell
HLSD	1	3 in. NPS	300#RFRWN	SA105N/SA106B	0.438	N/A	UW16.1(c)	Shell
See Attached U-4								

11. Supports: Skirts NO Lugs N/A Legs N/A Other SADDLES Attached: SHELL by Welding
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned inspectors have been furnished for the following items of the report: N/A

(Name of part, Item number, Mfr's name, and identifying stamp)
Volume: 409 cu. ft. Construction Dwg # 138-02-04-A Rev 3. Impact test per UG-84 on shell/heads, rest exempt per UG-20(f)1-5 and UCS-66(a) (b) and note (e). Hydrostatic test conducted in the horizontal position. RT per UW-51. Horizontal Three Phase Separator. PSV by others

CERTIFICATE OF SHOP / FIELD 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. <u>33,420</u> expires <u>9-Jul-05</u>	
Date <u>Oct 26, 2004</u> Co. name: <u>Mar-Quinn Industries Ltd.</u> Signed <u>[Signature]</u>	(Manufacturer) (Representative)
CERTIFICATE OF SHOP / FIELD INSPECTION	
Vessel constructed by <u>Mar-Quinn Industries Ltd.</u> at <u>7115 - Sparrow Drive Leduc Alberta Can. T9E 7L1</u>	
I, the undersigned, hold a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/ or the State or Province of <u>Alberta</u> and employed by <u>Alberta Boilers Safety Association</u>	
have inspected the component described in this Manufacturer's Data Report on <u>OCT 26 2004</u> , 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 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 loss of any kind arising from or connected with this inspection.	
Date <u>OCT 26 2004</u> Signed <u>[Signature]</u> Commissions <u>AB #144</u>	(Authorized Inspector) (National Board Unit Endorsement, State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the provisions of the ASME Code Rules, Section VIII, Division 1

(Name and address of Manufacturer)

(Name and address of purchaser)

(Name and address)

REMARKS

SA-516-70N material 36"O.D. X 1.0" thick

(Nat'l Board Incl. Endorsement, State, Province and No.)