

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
**(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)**  
**As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1**

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1. Manufactured and certified by Jet Fabrication 6830 Leopard Street Corpus Christi, Texas 78409  
(Name and address of Manufacturer)

2. Manufactured for Marathon 5555 San Felipe Street Houston, Texas 77056  
(Name and address of Purchaser)

3. Location of installation Unknown  
(Name and address)

4. Type Horizontal JF-2266 05-1202 Rev.1 566 2012  
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (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 2010 Edition  
Year

to 2011 Addenda  
[Addenda (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell SA-516 70 .375 0 35.25 10'-0" S/S  
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

7. Seams UW 11 Type 1 Full 100% UW 11 Type 1 None 70% 2  
[Long. (welded, dbl., sngl., lap, butt)] [R. T. (spot or full)] (Eff., %) (H. T. temp.) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R. T. (spot or full)] (Eff., %) (No. of courses)

8. Heads: (a) Material SA-516 70N (b) Material SA-516 70N  
(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) | END                          | .344"             | -                   | -            | -              | 2:1              | -                  | -                    | -             | Concave                              |
| (b) | END                          | .344"             | -                   | -            | -              | 2:1              | -                  | -                    | -             | Concave                              |

If removable, bolts used (describe other fastenings) \_\_\_\_\_  
(Material spec. number, grade, size, number)

9. MAWP 125 150  
(Internal) (External) at max. temp. (Internal) (External)  
 Min. design metal temp. -20 at 125 Hydro., ~~press, or burst~~ test pressure 163  
 Proof test \_\_\_\_\_

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diameter or Size | Type | Material |        | Nozzle Thickness |       | Reinforcement Material | Attachment Details |        | Location (Insp. Open.) |
|--------------------------------|-----|------------------|------|----------|--------|------------------|-------|------------------------|--------------------|--------|------------------------|
|                                |     |                  |      | Nozzle   | Flange | Nom.             | Corr. |                        | Nozzle             | Flange |                        |
| Inlet/Outlet                   | 2   | 8                | RFWN | SA-106B  | SA-105 | .322             | None  | Integral               | UW11-16c           | -      | -                      |
| Spare/Drain/Dump               | 3   | 2                | RFWN | SA-106B  | SA-105 | .154             | None  | Integral               | UW11-16c           | -      | -                      |
| LLC/LHA                        | 2   | 2                | CPLG | SA-105   | -      | .3125            | None  | Integral               | UW11-16c           | -      | -                      |
| LHH                            | 1   | 2                | TOL  | SA-105   | -      | .3125            | None  | Integral               | UW11-16a           | -      | -                      |
| Supply Gas/Blowdo              | 2   | 1                | TOL  | SA-105   | -      | .2175            | None  | Integral               | UW11-16a           | -      | -                      |
| PI/TI                          | 2   | 3/4              | TOL  | SA-105   | -      | .1625            | None  | Integral               | UW11-16a           | -      | -                      |
| Sight Glass                    | 2   | 1/2              | CPLG | SA-105   | -      | .1425            | None  | Integral               | UW11-16c           | -      | -                      |

11. Supports: Skirt - Lugs - Legs 2 Other - Attached - Welded to Shell -  
(Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: Premium Welding & Manufacturing U-39,495 JF-2266 SN: 0054-K  
(Name of part, item number, Manufacturer's name and identifying stamp)

Not designed for corrosive service; Impact test exempt per UG-20(f) UCS-66(b)(c); UG-125 relief device by owner

**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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 35,284  
 expires 08/19/14  
 Date 10/23/12 Co. name JET FABRICATION Signed Roman Lamb  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP / FIELD INSPECTION**

Vessel constructed by JET FABRICATION at 6830 Leopard Street Corpus Christi, TX 78409 USA  
 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 TX and employed by One Beacon America Insurance Company of Lynn MA.  
 have inspected the component described in this Manufacturer's Data Report on 10/24/12, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By Signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 10/26/12 Signed Robert A. Benick Commissions 11,8, 12, 444 A, N  
(Authorized Inspector) (National Board (incl. endorsements), State, Province, and number)

**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 Boiler and Pressure Vessel Code Rules, Section VIII, Division 1**

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1. Manufactured and certified by Premium Welding & Manufacturing 4122 Creekmont Houston, Tx 77091  
(Name and address of Manufacturer)

2. Manufactured for Universal Steel America Houston, Inc. 1230 E Richey Rd. Houston, Tx 77073  
(Name and address of Purchaser)

3. Location of installation Unkown  
(Name and address)

4. Type: Cylinder 0054 A through X N/A  
[Description of vessel part (shell, two-piece head, tube bundle)] (Manufacturer's serial number) (CRN)

N/A N/A 2012  
(National Board number) (Drawing number) (Drawing prepared by) (Year built)

5. ASME Code Section VIII Div 1 2010/2011 2714  
[Edition and Addenda (date)] (Code Case number) [Special Service per UG-120(d)]

6. Shell (a) No. of course (s): 1 (b) Overall Length: 120"

| No. | Course(s) |        | Material<br>Spec./Grade or Type | Thickness |       | Long. Joint (Cat. A) |                  |      | Circum. Joint (Cat. A, B, & C) |                  |      | Heat Treatment |      |
|-----|-----------|--------|---------------------------------|-----------|-------|----------------------|------------------|------|--------------------------------|------------------|------|----------------|------|
|     | Diameter  | Length |                                 | Nom.      | Corr. | Type                 | Full, Spot, None | Eff. | Type                           | Full, Spot, None | Eff. | Temp.          | Time |
| 1   | 36" OD    | 120"   | SA 516-70                       | .375      |       | 1                    | Full             | 1    |                                |                  |      |                |      |

7. Heads: (a) \_\_\_\_\_ (b) \_\_\_\_\_  
(Material spec. number, grade or type) (H.T. - time & temp) (Material spec. number, 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) |                              |           |       |        |         |                  |                    |                      |               |                  |         |            |                  |     |
| (b) |                              |           |       |        |         |                  |                    |                      |               |                  |         |            |                  |     |

If removable, bolts used (describe other fastenings) \_\_\_\_\_  
(Material spec. number, grade, size, number)

8. MAWP Not Rated at max temp. \_\_\_\_\_  
(Internal) (External) (Internal) (External) (Material spec. number, grade, size, number) Min. design metal temp. at \_\_\_\_\_

9. Impact Test None at test temperature of \_\_\_\_\_  
Indicate yes or no and the component(s) impact tested

10. Hydro., pneu., or comb. test press. None Proof Test None

11. Nozzles, inspection, and safety valve openings:

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

12. Identification of parts

| Name of Part | Quantity | Line No. | Mfr's identification No. | Mfr's Drawing no. | CRN | National Board No. | Year Built |
|--------------|----------|----------|--------------------------|-------------------|-----|--------------------|------------|
|              |          |          |                          |                   |     |                    |            |

13. Supports: Skirt \_\_\_\_\_ Lugs \_\_\_\_\_ Legs \_\_\_\_\_ Others \_\_\_\_\_ Attached \_\_\_\_\_  
(Yes or No) (Number) (Number) (Describe) (Where and how)

14. Remarks Universal Steel Po#23815  
24 ea .375" x 36" OD x 120" Lg  
Formed By Others Design Function By Others No Hydro Test Performed

**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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U Certificate of Authorization No. 39495 Expires April 16, 2013

Date 08/01/12 Name Premium Welding & Manufacturing Inc. Signed Cody Parker  
(Manufacturer) Cody Parker (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 Texas and employed by One Beacon America of Lynn, Ma. have inspected the pressure vessel part described in this Manufacturer's Data Report on 08/01/12 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her 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/her 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 08/01/12 Signed [Signature] Commissions NB 8604AB TX925  
(Authorized Inspector) [National Board (incl endorsements) State, Province and number]