

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
**(Alternate 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 St. Houston, Texas 77056  
(Name and address of Purchaser)

3. Location of installation Unknown  
(Name and address)

4. Type Horizontal JF-2797 - 03-1326-01 992 2014  
(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, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell SA 516-70N .375" .125 48" O.D 120"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

7. Seams UW 12 Type 1 Full 100% 1150°F 1 HR UW 12 Type 1 Full 100% 1  
[Long. (welded, dbl., snlg., lap, butt)] [R. T. (spot or full)] (Eff., %) (H. T. temp.) (Time, hr) [Girth (welded, dbl., snlg., lap, butt)] [R. T. (spot or full)] (Eff., %) (No. of courses)

8. Heads: (a) Material SA 516-70 (b) Material SA 516-70  
(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	.333"	-	-	-	2:1	-	-	-	Concave
(b)	END	.333"	-	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastening) -  
(Material spec. number, grade, size, number)

9. MAWP 125 at max. temp. 200°F  
(Internal) (External) (Internal) (External)  
 Min. design metal temp. -20°F at 125 Hydro., pneu., or comb. 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	
Manway	1	18	RFLWT	SA-105	SA-105	1	.125	Integral	UW11-16c	-	Shell
Outlet/Inlet	2	12	RFLWT	SA-105	SA-105	1.19	.125	Integral	UW11-16c	-	Head
Relief/Outlet	2	3	RFLWT	SA-105	SA-105	.625	.125	Integral	UW11-16c	-	Shell
Transmitter	1	2	RFLWT	SA-105	SA-105	.53	.125	Integral	UW11-16c	-	Shell
Drain/Spare	2	2	RFLWT	SA-105	SA-105	.53	.125	Integral	UW11-16c	-	Shell
Shutdown Bridle	2	2	RFLWT	SA-105	SA-105	.53	.125	Integral	UW11-16c	-	Shell
Gauge & Alarm	2	2	RFLWT	SA-105	SA-105	.53	.125	Integral	UW11-16c	-	Shell

11. Supports: Skirt NO 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: Shell Cylinder done by Universal Steel America, Houston U-44,222 JF-2797 SN: 0419 A, 0424 A  
(Name of part, item number, Manufacturer's name and identifying stamp)

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 2-7-14 Co. name Jet Fabrication Signed [Signature]  
(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 Onecis Insurance Company of Lynn, MA  
 have inspected the component described in this Manufacturer's Data Report on 02-08-2014, 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 02-08-14 Signed [Signature] Commissions NB 13596 A TX 1912  
(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 Universal Steel America Houston 1230 E. Richey Rd Houston, Tx. 77073  
(Name and address of Manufacturer)

2. Manufactured for Jet Specialty Inc. 6849 Leopard St. Corpus Christi, Tx 78409  
(Name and address of Purchaser)

3. Location of installation Unkown  
(Name and address)

4. Type: Cylinder  
[Description of vessel part (shell, two-piece head, tube bundle)]

N/A N/A 0419 A,B N/A  
(National Board number) (Drawing number) (Manufacturer's serial number) (CRN)

5. ASME Code Section VIII Div 1 2010/2011 N/A 2014  
(Edition and Addenda (date)) (Drawing prepared by) (Year built)

6. Shell (a) No. of course (s): 1 (b) Overall Length: 120"  
(Code Case number) [Special Service per UG-120(d)]

No.	Course(s)		Material Spec./Grade or Type	Thickness		Type	Long. Joint (Cat. A)		Circum. Joint (Cat. A, B, & C)			Heat Treatment	
	Diameter	Length		Nom.	Corr.		Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	48" OD	120"	SA516-70N	.375	-	1	Full	-	-	-	-	None	None
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

7. Heads: (a) - (b) -  
(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) -

8. MAWP Not Rated Not Rated at max temp. None None  
(Internal) (External) (Material spec. number, grade, size, number) Min. design metal temp.

9. Impact Test None at test temperature of None  
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 (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. 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 No Lugs 0 Legs 0 Others N/A Attached N/A  
(Yes or No) (Number) (Describe) (Where and how)

14. Remarks Jet Specialty Po#FAB6454/THOMAS USA S/O 37564-1  
2 ea .375" x 48" OD x 120" Lg

Design Function By Others Formed In Accordance with UG-79UG-80, and UCS-79 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 I.

U Certificate of Authorization No. 44,222 Expires September 27, 2015

Date 01/15/14 Name Universal Steel America, Houston Signed Cody Parker  
(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 Texas and employed by HSB Global Standards of CT. have inspected the pressure vessel part described in this Manufacturer's Data Report on 01/15/14 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 I. 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 01/15/14 Signed [Signature] Commissions 12906A  
(Authorized Inspector) (National Board (incl endorsements) State, Province and number)



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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

1. Manufactured and certified by Universal Steel America Houston 1230 E. Richey Rd Houston, Tx. 77073
2. Manufactured for Jet Specialty Inc. 6849 Leopard St. Corpus Christi, Tx 78409
3. Location of installation Unknown
4. Type: Cylinder 0424 A,B N/A
5. ASME Code Section VIII Div 1 2010/2011 N/A N/A
6. Shell (a) No. of course (s): 1 (b) Overall Length : 60"

Table with columns: Course(s), Material, Thickness, Long. Joint (Cat. A), Circum. Joint (Cat. A, B, & C), Heat Treatment. Row 1: 48" OD, 60", SA516-70N, .375, Full, None, None.

7. Heads: (a) (b)
Table with columns: Location (Top, Bottom, Ends), Thickness, Radius, Elliptical Ratio, Conical Apex Angle, Hemispherical Radius, Flat Diameter, Side to Pressure, Category A.

8. MAWP Not Rated at max temp. None None Min. design metal temp. None at None
9. Impact Test None at test temperature of None

10. Hydro., pneu., or comb. test press. None Proof Test None
11. Nozzles, inspection, and safety valve openings:

Table with columns: Purpose, No., Diameter or Size, Flange Type, Material, Nozzle Thickness, Reinforcement, How Attached, Location.

12. Identification of parts
Table with columns: Name of Part, Quantity, Line No., Mfr's identification No., Mfr's Drawing no., CRN, National Board No., Year Built.

13. Supports: Skirt No Lugs 0 Legs 0 Others N/A Attached N/A
14. Remarks Jet Specialty Po#FAB6454/THOMAS USA S/O 37564-2
2 ea .375" x 48" OD x 60" Lg

Design Function By Others Formed In Accordance with UG-79UG-80, and UCS-79 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. 44,222 Expires September 27,2015

Date 01/15/14 Name Universal Steel America, Houston Signed 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 HSB Global Standards of CT.. have inspected the pressure vessel part described in this Manufacturer's Data Report on 01/15/14 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.

Date 01/15/14 Signed Commissions 12906A
(Authorized Inspector) [National Board (incl endorsements) State, Province and number]