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

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

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

3. Location of installation Unknown  
(Name and address)

4. Type Horizontal JF-3165 - 01-1501 Rev.1 1244 2015  
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 2013 Edition - -  
[Edition and Addenda, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell SA-106 B 0.375" 0.0625" 19.25" 10'-0" S/S  
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

Body Flanges on Shells										Bolting			
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

7. Seams Seamless None 70% - - UW-11 Type1 Spot 85% 1  
[Long. (welded, dbl., singl., lap, butt)] [R. T. (spot or full)] (Eff., %) (H. T. temp.) (Time, hr) [Girth (welded, dbl., singl., 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	.342"	0.0625"	-	-	2:1	-	-	-	Concave
(b)	END	.342"	0.0625"	-	-	2:1	-	-	-	Concave

Body Flanges on Heads										Bolting			
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	-	-	-	-	-	-	-	-	-	-	-	-	-
(b)	-	-	-	-	-	-	-	-	-	-	-	-	-

9. MAWP 125 - at max. temp. 100°F -  
(Internal) (External) (Internal) (External)

Min. design metal temp. -20°F at 125 Hydro., ~~pres.~~ or ~~comb.~~ test pressure 163

Proof test -

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	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"-150#	RFLWN	SA-105	SA-105	0.875"	0	Integral	UW16.1(c)	-	Head/Shell
Clean Out	1	3"-150#	RFLWN	SA-105	SA-105	0.625"	0	Integral	UW16.1(c)	-	Shell
Bridles	4	2"-150#	RFLWN	SA-105	SA-105	0.53"	0	Integral	UW16.1(c)	-	Shell
Drain	1	2"-150#	RFLWN	SA-105	SA-105	0.53"	0	Integral	UW16.1(c)	-	Head
Liquid Out	1	2"-150#	RFLWN	SA-105	SA-105	0.53"	0	Integral	UW16.1(c)	-	Shell
Spare	2	2"-150#	RFLWN	SA-105	SA-105	0.53"	0	Integral	UW16.1(c)	-	Shell
Boot Sump	2	16"-150#	RFLWN	SA-106 B	SA-105	0.375"	0	Integral	UW16.1(c)	UW-11	Shell

11. Supports: Skirt No Lugs - Legs - Other Saddle Attached Welded to vessel  
(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: None

(Name of part, item number, Manufacturer's name and identifying stamp)

Impact test exempt per UG-20(f)UCS-66(b)(c); Work performed @ temporary location in Taft, Texas; See attached U-4 Supplementary Sheet



## FORM U-1A (Back)

### 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 1-27-15 Co. name Jet Fabrication

(Manufacturer)

Signed



(Representative)

### CERTIFICATE OF SHOP / FIELD INSPECTION

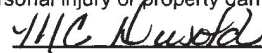
Vessel constructed by Jet Fabrication at 6830 Leopard Street Corpus Christi, Texas 78409 USA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company of Lynn, MA

have inspected the component described in this Manufacturer's Data Report on 12-09-2013, 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 02-09-2013

Signed



(Authorized Inspector)

Commissions

AB 135964 TX 1912

[National Board (incl. endorsements)]

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(Name and address of Manufacturer)

(Name and address of Purchaser)

(Name and address)

(Horizontal, vertical, or sphere)

(Tank, separator, heat exch., etc.)

(Manufacturer's serial number)

01-1501 Rev.1

1244

2015

(CRN)

(Drawing number)

(National Board Number)

(Year built)

[illegible]

Data Report  
Item Number

Remarks

#12 Remarks

WE ARE CURRENTLY FABRICATING UNDER AN EXTENSION THAT EXPIRES

- ON JULY 1, 2015.

[illegible]

Certificate of Authorization: Type U No. 35,284 Expires 08/19/14

Date 1-27-15 Name Jet Fabrication Signed M. J. [Signature]

(Manufacturer) (Representative)

Date 2/9/15 Name M.C. Woods Commissions AB 13591.4 TX 1912  
(Authorized Inspector) [National Board (incl. endorsements)]

