

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 Page 1 of 2

1. Manufactured and certified by Cimarron Energy, Inc., 4190 S. Harvey Ave., Norman, Oklahoma, 73072, USA

(Name and address of Manufacturer)

2. Manufactured for XTO Energy

(Name and address of Purchaser)

3. Location of Installation Unknown Built For Stock

(Name and address)

4. Type Horizontal 10158N N/A Q14145-3-02-03 10158 2018
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)5. ASME Code, Section VIII, Division 1 2017/ N/A N/A N/A
[Edition and Addenda, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]6. Shell: SA-516-70N 1.75" 0.125" 0' 48.0" (OD) 15' 0.0"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: Type 1 Full 100% 1150 Min 1 hr 45 min Type 1 Full 100% 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
(Spec. no., grade)

(b) Material

SA-516-70N
(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	1.6841"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	END	1.6841"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

Body Flanges on Heads

No.	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

9. MAWP 1390 psi N/A at max. temp. 130 °F N/A
(Internal) (External) (Internal) (External)Min. design metal temp. -20 °F at 1390 psi . Hydro, pneu., or comb. test pressure HYDRO at 1807 psi .Proof test N/A .

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	
manway	1	18"	RFLWN	SA-105-N		600#	0.125"	Inherent	UW16.1(c)		Shell
Drain, LSHH, LLC	3	2"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Shell
Gas Dome	1	12" 600#	RFWN	SA-106-C	SA-105	.688"	0.125"	SA-516-70	UW16.1(c)		Shell
Level gauge, TI	3	3/4"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Head/Shell
Relief	1	3"	RFLWN	SA-105		600#	0.125"	SA-516-70	UW16.1(c)		Shell
PI	1	1/2"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Shell
Liquid Outlet	1	8"	RFLWN	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Head
Inlet	1	8"	RFLWN HB	SA-350-LF2		600#	0.125"	Inherent	UW16.1(C)		Head

11. Supports: Skirt No Lugs 2 Legs 2 Other Name Plate Bracket SA-516-70 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:

7125-14, Shell-Greens Bayou Pipe Mill 13935 Industrial Road Houston, Texas 77015 U#42546

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

Impact Tested per UCS-66 For Corrosive Service ; Relief per UG-125 ; RT per UW-11(A) ; Post Weld Heat Treat in accordance with UCS-561-1

Manufactured by Cimarron Energy, Inc., 4190 S. Harvey Ave., Norman, Oklahoma, 73072, USAManufacturer's Serial No. 10158NCRN N/ANational Board No. 10158

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 35622

expires February 17, 2021Date 07/05/2018

Co. name

Cimarron Energy, Inc.

(Manufacturer)

Signed

Angela Brassfield
(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Cimarron Energy, Inc. at 4190 S. Harvey Ave., Norman, Oklahoma, 73072, 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, MAhave inspected the component described in this Manufacturer's Data Report on July 9, 2018,

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 07/10/2018

Signed

[Signature]
(Authorized Inspector)

Commissions

12164, OK856

(National Board Authorized Inspector Commission number)

NB#10158

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 Greens Bayou Pipe Mill 13935 Industrial Road Houston, Texas 77015
(Name and address of Manufacturer)

2. Manufactured for Northshore Supply 13935 Industrial Road Houston, Texas 77015
(Name and address of Purchaser)

3. Location of installation Unknown
(Name and address)

4. Type 7 Shell 7125-12 THRU 7125-18
[Description of vessel part (shell, two-piece head, tube bundle)] (Manufacturer's serial number) (CRN)
(National Board number) (Drawing number) (Drawing prepared by) (Year built)
2017

5. ASME Code, Section VIII, Div. 1 2015
(Edition and Addenda, if applicable (date)) (Code Case number) [Special service per UG-120(d)]

6. Shell: (a) Number of course(s) 1 (b) Overall length 7'-0"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	48" OD	7'-0"	SA516-70-N	1.75"	*	1	Full	*					

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

7. Heads: (a) _____ (Material spec. number, grade or type) (H.T. — time and temp.) (b) _____ (Material spec. number, grade or type) (H.T. — time and 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)														

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

8. MAWP _____ at max. temp. _____ Min. design metal temp. _____ at _____
(Internal) (External) (Internal) (External)

9. Impact test Yes - Base, Haz, Weld at test temperature of -20 F
[Indicate yes or no and the component(s) impact tested]

10. Hydro., pneu., or comb. test pressure None Proof test _____

11. 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	

12. Identification of part(s)

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 _____ Legs _____ Other _____ Attached _____
(Yes or no) (Number) (Number) (Describe) (Where and how)

14. Remarks _____

*No Design Functions by Greens Bayou Pipe Mill; WPS is qualified with and without PWHT. Formed in Accordance with UG 79, UG 80 and UCS 79.

NB# 10158

FORM U-2A (Back)

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. 42,546 Expires 01/19/2021

Date 01/19/2018 Name Greens Bayou Pipe Mill 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 employed by Authorized Inspection Associates, LLC of Houston, Texas

have inspected the pressure vessel part described in this Manufacturer's Data Report on 01/19/2018 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 01/19/2018 Signed [Signature] Commissions NB13919AIR
(Authorized Inspector) (National Board (incl. endorsements))

1. Manufactured and certified by Cimarron Energy Inc., 120 East Blackburn Road, Marlow, Oklahoma, 73055, USA
(Name and address of Manufacturer)

2. Manufactured for XTO Energy
(Name and address of Purchaser)

3. Location of Installation Unknown Built For Stock
(Name and address)

4. Type Horizontal M-12990 N/A Q14145-3-02-01 12795 2018
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 2017/ N/A N/A N/A
[Edition and Addenda, if applicable (date)] (Code Case numbers) [Special service per UG-120(d)]

6. Shell: SA-516-70N 1.75" 0.125" 0' 48.0" (OD) 15' 0.0"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

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

7. Seams: Type 1 Full 100% 1150 Min 1 hr 45 min Type 1 Full 100% 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	1.6841"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	END	1.6841"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

Body Flanges on Heads												
No.	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

9. MAWP 1390 psi N/A at max. temp. 130 °F N/A
(Internal) (External) (Internal) (External)

Min. design metal temp. -20 °F at 1390 psi . Hydro, pneu., or comb. test pressure HYDRO at 1807 psi .

Proof test N/A .

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	
manway	1	18"	RFLWN	SA-105-N		600#	0.125"	Inherent	UW16.1(c)		Shell
Drain, LSHH, LLC	3	2"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Shell
Gas Dome	1	12" 600#	RFWN	SA-106-C	SA-105	.688"	0.125"	SA-516-70	UW16.1(c)		Shell
Level gauge, TI	3	3/4"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Head/Shell
Relief	1	3"	RFLWN	SA-105		600#	0.125"	SA-516-70	UW16.1(c)		Shell
PI	1	1/2"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Shell
Liquid Outlet	1	8"	RFLWN	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Head
Inlet	1	8"	RFLWN HB	SA-350-LF2		600#	0.125"	Inherent	UW16.1(C)		Head

11. Supports: Skirt No Lugs 2 Legs 2 Other Name Plate Bracket SA-516-70 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:

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

Impact Tested per UCS-66 For Corrosive Service ; Relief per UG-125 ; RT per UW-11(A) ; Post Weld Heat Treat in accordance with UCS-561-1

Manufactured by	Cimarron Energy Inc., 120 East Blackburn Road, Marlow, Oklahoma, 73055, USA		
Manufacturer's Serial No.	M-12990	CRN	N/A
		National Board No.	12795

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 24087

expires May 30, 2019


Date 05/14/2018

Co. name

Cimarron Energy Inc.

(Manufacturer)

Signed


(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Cimarron Energy Inc. at 120 East Blackburn Road, Marlow, Oklahoma, 73055, 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 April 23, 2018, 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 05/15/2018

Signed


(Authorized Inspector)

Commissions

12164, OK856

(National Board Authorized Inspector Commission number)

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

1. Manufactured and certified by Cimarron Energy Inc., 120 East Blackburn Road, Marlow, Oklahoma, 73055, USA

(Name and address of Manufacturer)

2. Manufactured for N/A

(Name and address of Purchaser)

3. Location of Installation Unknown Built For Stock

(Name and address)

4. Type Horizontal M-12851 N/A Q14145-3-01-03 12656 2017
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)5. ASME Code, Section VIII, Division 1 2015/ N/A N/A N/A
[Edition and Addenda, if applicable (date)] (Code Case numbers) (Special service per UG-120(d))6. Shell: SA-516-70N 1.75" 0.125" 0' 48.0" (OD) 15' 0.0"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)]

Body Flanges on Shells

No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: Type 1 Full 100% 1150 Min 1 hr 45 min Type 1 Full 100% 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	1.6841"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	END	1.6841"	0.125"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

Body Flanges on Heads

No.	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A

9. MAWP 1390 psi N/A at max. temp. 130 °F N/A
(Internal) (External) (Internal) (External)Min. design metal temp. -20 °F at 1390 psi . Hydro, pneu., or comb. test pressure HYDRO at 1807 psi .Proof test N/A .

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	
manway	1	18"	RFLWN	SA-105-N		600#	0.125"	Inherent	UW16.1(c)		Shell
Drain, LSHH, LLC	3	2"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Shell
Gas Dome	1	12"	Pipe	SA-106-B/C		.688"	0.125"	Inherent	UW16.1(c)	TYPE 1	Shell
Level gauge, TI	3	3/4"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Head/Shell
Relief	1	3"	RFLWN	SA-105		600#	0.125"	Repad	UW16.1(c)		Shell
PI	1	1/2"	Coupling	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Shell
Liquid Outlet	1	8"	RFLWN	SA-105		6000#	0.125"	Inherent	UW16.1(c)		Head

11. Supports: Skirt No Lugs 2 Legs 2 Other Name Plate Bracket SA-516-70 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:

2097-B, 2157-B Shell-Universal Steel America, Inc. 1230 East Richey Road, Texas 77073 U#44222

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

Impact Tested per UCS-66 For Corrosive Service ; Relief per UG-125 ; RT per UW-11(A) ; Post Weld Heat Treat in accordance with UCS-561-1

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 24087
expires May 30, 2019.

Date 12/08/2017 Co. name Cimarron Energy Inc.
(Manufacturer)

Signed

Angela Brassfield
(Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Cimarron Energy Inc. at 120 East Blackburn Road, Marlow, Oklahoma, 73055, 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 December 6, 2017,
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 12/08/2017

Signed

Harry J. Smith
(Authorized Inspector)

Commissions

12164, OK856

[National Board (incl. endorsements)]

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, Inc. Houston 1230 East Richey Road Houston, Texas 77073
(Name and address of Manufacturer)
2. Manufactured for Cimarron Energy - Katy 6818 FM 2855 Katy, Texas 77493
(Name and address of Purchaser)
3. Location of installation Unknown
(Name and address)
4. Type Cylinder 2097 A,B,C,D,E -
(Description of vessel part (shell, two-piece head, tube bundle)) (Manufacturer's serial number) (CRN)
- 2017
(National Board number) (Drawing number) (Drawing prepared by) (Year built)
5. ASME Code, Section VIII, Div. 1 2015 - -
(Edition and Addenda, if applicable (date)) (Code Case number) (Special service per UG-120(d))
6. Shell: (a) Number of course(s) 1 (b) Overall length 96"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	48" OD	96"	SA 516-70N	1.75"	-	1	Full	100	-	-	-	None	None
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

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. Heads: (a) None (b) None
(Material spec. number, grade or type) (H.T. — time and temp.) (Material spec. number, grade or type) (H.T. — time and 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)														

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)	-	-	-	-	-	-	-	-	-	-	-	-	-

8. MAWP Not Rated - at max. temp. Not Rated -. Min. design metal temp. - at -.
(Internal) (External) (Internal) (External)

9. Impact test Yes weld and material at test temperature of -20° F.
(Indicate yes or no and the component(s) impact tested)

10. Hydro., pneu., or comb. test pressure None Proof test None

11. 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	
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

12. Identification of part(s)

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 Other - Attached -
(Yes or no) (Number) (Number) (Describe) (Where and how)

14. Remarks

Cimarron Energy PO# KTY1756 Universal Steel WO# 67867-1
 5 ea 1.75" x 48" OD x 96" Cylinder
 No Design Function Performed By USA, Inc.
 No Hydro Test Performed
 Formed In Accordance with UG-79,UG-80,and UCS-79

FORM U-2A (Back)

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 Sept 27, 2018

Date 08/25/2017 Name Universal Steel America, Inc. Houston Signed Billy N. Nicks
(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 employed by The Hartford Steam Boiler Inspection and Insurance Company of CT

have inspected the pressure vessel part described in this Manufacturer's Data Report on 08/25/2017 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 08/25/2017 Signed [Signature] Commissions 12906
(Authorized Inspector) (National Board (incl. endorsements))

NB#12656

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, Inc. Houston 1230 East Richey Road Houston, Texas 77073
(Name and address of Manufacturer)
2. Manufactured for Cimarron Energy - Katy 6818 FM 2855 Katy, Texas 77493
(Name and address of Purchaser)
3. Location of installation Unknown
(Name and address)
4. Type Cylinder
(Description of vessel part (shell, two-piece head, tube bundle)) 2157 A,B,C,D
(Manufacturer's serial number) 2017
(CRN)
(National Board number) 2015
(Drawing number)
(Drawing prepared by)
(Year built)
5. ASME Code, Section VIII, Div. 1 2015
(Edition and Addenda, if applicable (date))
(Code Case number)
(Special service per UG-120(d))
6. Shell: (a) Number of course(s) 1 (b) Overall length 84"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	48" OD	84"	SA 516-70N	1.75"	-	1	Full	100	-	-	-	None	None
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

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. Heads: (a) None (b) None
(Material spec. number, grade or type) (H.T. — time and temp.) (Material spec. number, grade or type) (H.T. — time and 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)														

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)	-	-	-	-	-	-	-	-	-	-	-	-	-

8. MAWP Not Rated at max. temp. Not Rated Min. design metal temp. - at -
(Internal) (External) (Internal) (External)

9. Impact test Yes weld and material at test temperature of -20° F
(Indicate yes or no and the component(s) impact tested)

10. Hydro., pneu., or comb. test pressure None Proof test None

11. 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	
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

12. Identification of part(s)

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 Other - Attached -
(Yes or no) (Number) (Number) (Describe) (Where and how)

14. Remarks

Cimarron Energy PO# KTY1756 Universal Steel WO# 67867-2
 4 ea 1.75" x 48" OD x 84" Cylinder
 No Design Function Performed By USA, Inc.
 No Hydro Test Performed
 Formed In Accordance with UG-79,UG-80,and UCS-79

NB# 12656

FORM U-2A (Back)

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 Sept 27, 2018

Date 08/25/2017 Name Universal Steel America, Inc. Houston Signed Billy Wilson
(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 employed by The Hartford Steam Boiler Inspection and Insurance Company of CT

have inspected the pressure vessel part described in this Manufacturer's Data Report on 08/25/2017 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 08/25/2017 Signed [Signature] Commissions 12906
(Authorized Inspector) (National Board (incl. endorsements))