1/3

National Board Number: 3268

Mfg. Representative: [signature] Date: 11-30-14

Authorized Inspector: [signature] Date: 11-30-14

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by OHMSTEDE LTD., CORPUS CHRISTI PLANT 410 FLATO ROAD CORPUS CHRISTI, TEXAS 78405
(Name and address of Manufacturer)

2. Manufactured for UNITED RENTAL ; 8221 HIWAY 225 ; LAPORTE, TEXAS 77471
(Name and address of Purchaser)

3. Location of installation UNITED RENTAL ; 8221 HIWAY 225 ; LAPORTE, TEXAS 77471
(Name and address)

4. Type Horizontal (Horizontal, vertical, or sphere) HEAT EXCHANGER (Tank, seperator, jkt. vessel, heat exch., etc.) 458741 (Manufacturer's serial number)

- (CRN) 458741R0 (Drawing number) 3268 (National Board number) 2014 (Year built)

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

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multichamber vessels.

6. Shell: (a) Number of course(s) 2 (b) Overall length 14'-2 1/4"

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	38" I.D."	7'-11"	SA-516-70	.7500"	.1250"	1	Spot	.85	1	Spot	.85	-	-
2	38" I.D."	6'-3 1/4"	SA-516-70	.7500"	.1250"	1	Spot	.85	1	Spot	.85	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

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
1	*	38"	45 1/8"	4 5/16"	3/4"	SA-350LF2CL1	UW12(1)	END	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

7. Heads: (a) - (Material spec. number, grade or type)(H.T. - time and temp.) (b) SA-516-70 (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)	END	.7500"	.1250"	-	-	2:1	-	-	-	-	X	S	NONE	.85

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. Type of jacket - Jacket closure - (Describe as ogee and weld, bar, etc.)

If bar, give dimensions - If bolted, describe or sketch.

9. MAWP 500 (Internal) - (External) at max. temp. 500 (Internal) - (External) Min. design metal temp. -20 at 500 .

10. Impact test NO, EXEMPT PER UCS-66 & UG-20 (f) at test temperature of - .
[Indicate yes or no and the component(s) impact tested]

11. Hydro., ~~pneu.~~, ~~or~~ ~~comb.~~ test pressure 650 Proof test -

Items 12 and 13 to be completed for tube sections.

12. Tubesheet SA-182F316/316L [Stationary (material spec. no.)] 39 1/4" [Diameter (subject to press.)] 5 1/4" (Nominal thickness) SS .1250" / TS 0.00" (Corr. allow.) Bolted [Attachment (welded or bolted)]

- [Floating (material spec. no.)] - (Diameter) - (Nominal thickness) - (Corr. allow.) - (Attachment)

13. Tubes SA-249TP316/316L (material spec. no., grade or type) 3/4" (O. D.) 0.065" A.W. (Nominal thickness) 472 (Number) U [Type (straight or U)]

National Board Number: 3268
Mfg. Representative: CW Date: 11-30-14
Authorized Inspector: Date: 11-30-14

FORM U-1 (Cont'd)

Items 14-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell: (a) No. of course(s) 1 (b) Overall length 2'-5 1/2"

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	38" I.D."	2'-5 1/2"	SA-240-316/316L	.7500"	0.0"	1	Spot	.85	1	Spot	.85	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

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
1	*	38"	45 1/8"	5 1/16"	3/4"	SA-182F316/L	UW12(1)	END	(56)-1"	SA-193B7	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

15. Heads: (a) SA-240-316/316L (b) -
(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)	END	.6875"	0.00"	-	-	2:1	-	-	-	-	X	S	NONE	.85
(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)	-	-	-	-	-	-	-	-	-	-	-	-

16. MAWP 480 (Internal) - (External) at max. temp. 500 (Internal) - (External) Min. design metal temp. -20 at 480 .

17. Impact test NO, EXEMPT PER UHA-51 at test temperature of - .
[Indicate yes or no and the component(s) impact tested]

18. Hydro., ~~pneu.~~, ~~or~~ ~~comb.~~ test pressure 694 Proof test -

19. 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	16"-300#	RFWN	SA-106B	SA-105	.6560"	.1250"	SA-516-70	UW16.1(e)	UW12(1)	Shell
Temperature	2	1"	CPLG	SA-105	-	6000#	.1250"	INTEGRAL	UW16.1(e)	-	Shell Nzl's.
Pressure	2	3/4"	CPLG	SA-105	-	6000#	.1250"	INTEGRAL	UW16.1(e)	-	Shell Nzl's.
Inlet / Outlet	2	14"-300#	RFWN	SA-312TP316/L	SA-182F316/L	.5000"	0.00"	SA-240-316/L	UW16.1(e)	UW12(1)	Channel
Temperature	2	1"	CPLG	SA-182F316/L	-	6000#	0.00"	INTEGRAL	UW16.1(e)	-	Channel Nzl's.
Pressure	2	3/4"	CPLG	SA-182F316/L	-	6000#	0.00"	INTEGRAL	UW16.1(e)	-	Channel Nzl's.
-	-	-	-	-	-	-	-	-	-	-	Channel Nzl's.

20. Supports: Skirt - (Yes or no) Lugs - (Number) Legs - (Number) Others (2)-SADDLES (Describe) Attached WELDED TO SHELL (Where and how)

21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report (list the name of part, item number, Manufacturer's name, and identifying number):
-
-

22. Remarks ITEM NO. HX-2 P.O. NO. 10149649 * APPENDIX 2 WELD NECK FLG.. LIFT LUGS: (2)-1.5" THK. X 12" WIDE SA-516-70 WELDED TO SHELL. (1)-14" ELBOW SPOOL: (2)-14"-300# RFWN SA-182F316/L (1)-14" O.D. X (.500" WALL) SR 90 DEG. ELBOW SA-403-WPW316/316L (1)-14" O.D. X (.500" WALL) X 3" LG. WLDD PIPE SA-312TP316/316L (1)-16" ELBOW SPOOL: (2)-16"-300# RFWN SA-105 (1)-16O.D. X (.500" WALL) X SR 90 DEG. ELBOW SA-234WPB (1)- 16" O.D. X (.500" WALL) X 3" LG SA-106B.

National Board Number: 3268

Mfg. Representative: CW Date: 11-30-14

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FORM U-1 (Cont'd)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements 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 20,206 Expires 04/19/15

Date 11-30-14 Name OHMSTEDE LTD., CORPUS CHRISTI PLANT (Manufacturer) Signed Charles Varney (Representative)

CERTIFICATE OF SHOP INSPECTION

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 pressure vessel described in this Manufacturer's Data Report on 11-30-2014, 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 inpsection.

Date 11-30-14 Signed (Authorized Inspector) Commissions - NB 10949 A B [National Board (incl. endorsements)]

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements in this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. U Certificate of Authorization Number - Expires .

Date Name - (Assembler) Signed (Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by -

of - , have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items - , not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of - . 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 Signed (Authorized Inspector) Commissions - [National Board (incl. endorsements)]