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 KVV International, LLC 200 Texas Avenue Columbus, Texas 78934 (Name and address of Manufacturer)																						
2. Manufactured for Bold Production Services																						
_	. IVICII	ididotaroa it	٥.	_										address of F			····					
3	. Loca	ation of insta	allati	on										Unkno							-	
4	Turk	112		امدم			(Name and address) 14603-C SEPHZ0120 558												2014			
4	. Туре	HOrizon	rizo		, tank)	(erial number)		(0	CRN)	77.7000 27.70	ng number)		(Na		ard numb	er)	2014 (Year Built)		
5.	. ASN	ME Code, S							2013			•			-						,	
•	01			24.54			[Edition	and A	ddenda, if ap	plicable (da	ite)			Code Case n	umbers)	_			[Specia	ial service per UG-120(d))		
þ.	. She	1000		STREET IN 18 19	number,	1 10 10 10 10 10 10 10 10 10 10 10 10 10						(Corr. A		36" OD (Inner diameter)				-	15'-0" Length overall)			
								Vascas	-		v Fla	nges on	ells						(
											1		01.10					E	Bolting			
N	lo.	Туре	- 18	D	OD	Flar	nge Thk	Min I	lub Thk	Materia	ı	How Atta	ched	Location	Num & Size		Bolting Materia		Washer rial (OD, ID, thk)		Washer Material	
						+-				5									-			
_																120	<u> </u>					
7.	Sea			ype 1	I., lap, butt)	- 7	Full		100% (Eff., %)		temp		:25	- IGr	Type		I lan hutt)]		Full L/soderfix	100 (Eff.,		
8.	Head	ds: (a) Mate															, (Lit.,	70) (10.01.000.000)				
	Loca	ation (Top,	M	inimu	ım	Co	orrosion		Crown	Knuckl	nuckle Elliptical Cor				Her	nie	pherical		lat	e to Pressure		
	Bottom, Ends) Thickr					Allowance			Radius					Apex Ang	M. 100 M.				neter		cave or Convex)	
(a)		Left 1.652"				0				+	2:1					-				Concave		
(b)		Right		1.652	41		0					2:1									Concave	
			Å							Body	/ Flai	nges on	Hea	ds		33						
		1. 1.				Bolting Washer										chor						
		Location	Туј	ре	ID OD			ange -	Thk Min H	ub Thk	Ma	terial	How	Attached	Num & Si	ze	Bolting Ma	aterial	_	D, thk)	Washer Material	
	(a) (b)	_				-				-												
****	MAV	/P	200	00					l	PSI	at m	nax. tem	n	1	120						°F	
٠.	100, 100		(Inter	10000			(Extern	al)				P. –		(Internal)					(Externa		
M	in. de	sign metal t	emp)	-20		°F at	20	000	PSI.		Hydro.	. , pn	ieu. or co r	nb. test p	res	sure			2600	PSI	
P	roof T	est																				
10		zles, inspec	ction	, and	7		openin	gs:						~	T =			A 11 1				
(Inl		Purpose utlet, Drain, e	atc)	No.	Diam or S	1	Тур	_	Nozzle	laterial	ange	Nozzle T Nom.		Corr.	Reinfo Ma		_	Attachment [Nozzle F		lange	Location (Insp. Open.)	
(IIII		Service	5(0)	4	4" 9		RFLW		SA-105			1.2		0	IVIG	-	iai	Welde			Head/Shell	
		Service		8	2" 9		RFLW		SA-105			1.0		0				Welde			Shell	
		Service Service	+	<u>4</u> 5	3/4		CPL		SA-105 SA-105			600		0	 			Welde	$\overline{}$		Head/Shell Shell	
		Service		1	1/2		CPL		SA-105			600		0				Welde		_	Shell	
).V.	(Service		1	18" 9	000#	RFLW	/N	SA-350-LI	-2		2.1	25"	0				Welde	d		Shell	
	21 12				 																	
11. Supports: Skirt No Lugs Legs Others Saddles Attached Welded to Shell												elded to Shell										
11. Supports: Skirt No Lugs Legs Others Saddles 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 S/N: 2600-005, 2600-002, Greens Bayou Pipe Mill. Cert. No. 42,546.												llowing										
lm	npact '	Testing Em	emp	t per	UCS-6	6(a)		(Na	ame of part, i	tem numbe	r, Man	ufacturer's	name	e and identify	ing stamp)							
				·		_																
											9500											

(07/13)

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 t	conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division "U" Certificate of Authorization Number 43,196												
expires May 14, 2015 .													
Date	9-2-14	Co. Name	KW International, LLC	Signed	17/00	/cm							
	(Manufacturer) (Representative)												
-	CERTIFICATE OF SHOP/FIELD INSPECTION												
Vessel constructed by KW International, LLC at 200 Texas Avenue Columbus, Texas													
I, the und	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by												
			TUV Rheinla	nd AIA Services, LLC									
have insp	ected the com	ponent describ	oed in this Manufacturer's Data Rep	oort on	9-2-14	,and state that,							
to the bes	t of my knowle	dge 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/h	ner employer makes any warranty,	expressed or							
implied, c	implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer												
shall be li	shall be liable in any manner for any personal injury or preserty damage or a loss of any kind arising from or connected with this inspection.												
Date 10	13. 20H	Signed	Sommer All	Commissions	NB# 14772ADT								
			(Authorized Inspector)		[National Board (incl	endorsements)]							

(07/13)

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 155%

1. 141	anuiactui	eu anu	certified	ру				reens bay							n, lexas	//015		•			
2. M	2. Manufactured for Northshore S										(Name and address of Manufacturer) supply 13935 Industrial Road Houston, Texas 77015 (Name and address of Purchaser)										
3. Lo	cation of	installa	tion	7. ma.					(ivame	ang agg	o ezeni	f Purcha	ser)								
									(Name and address) 2600-005 THRU 2600-008												
4. IY	/pe	[Desc	ription of ve	ssel part (sh	ell, two-piec	e head, 1	tube bund	le)]		(Manufacturer's serial number) (CRN)											
	(Nati	onal Boar	2014																		
5. AS	SME Code		•			2013	3									(Year built)					
6. Sh	nell: (a)	Numbe	r of cours	(Ed se(s)	tion and Add	denda, i	f applica	ble (date)] b) Overa	all leng	jth	(Code	Case n	ımber)		5'-		pecial s	ervice p	er UG-1	20(d)]	
		ourse(s)			Material			kness	Long. Joint (Cat. /					Circu	m. Joint	Joint (Cat. A, B & C)				Treatment	
No.	Diamete		Length	Spec	./Grade or	Туре		Corr.	Type	Full, S	Spot,	None	Eff.	Туре	Full, S	oot, N	one	Eff.	Temp.	Time	
	36" OD		5'-0"		SA516-70-1	4	1.75"	·	1		full	-	·								
			-				- 45°	\longrightarrow													
				L													L				
					-			Body Flan	ges on S	Shells											
	Body Flanges on Shells Bolting																				
No.	Туре	ID	. OD	Flange Th	k Min Hut	Thk	Material	How	Attached	l Lo	cation	N	um & S	Size . B	olting Ma	terial	Washer (OD, ID, thk)		Washer Mater		
																二					
7. He	ads: (a)		(Material sp	ec. number, (rade or type	e) (H.T	– time and	temp)		(b) .		(Ma	tarial cr	200 2000	per, grade		M T				
	costion /T		hickness	Rac					T.,								(M. I				
					Knuckle	Ellipt Rat		Conical ex Angle		ispher Radius	ical	Fla Diam			Pressur		Гуре	-	gory A		
(a)								on / mg/o	-	100/05	_	Cidificati		CONVEX	Conca	Oncave 179		Full,	spot, N	oot, None Eff.	
(b)									1												
																		!			
	1		T		<u> </u>			Body Flan	ges on F	leads						Bolti	D.C.				
	Location	Type	ID	OD	OD Flange Thk			Min Hub Thk Mar			terial How Attach		red Num & S				Washer			Washer Materia	
(a) (b)	 		-																		
8. M <i>A</i>	AWP	iternal)	(Exterr	atm	ax. temp.		(Internal)		(Extern	nal)	Min	ı. desi	gn me	etal ten	np			_ at _			
9. lm	pact test			Ilndic	Ye yes or as	s - Bas	e, Haz, V	Veld	-0 001					at test	tempera	ature	of _		-20 F		
	dro., pneı					No.	one														
	zzles, insp			N/A			٠.		11001			, , , , ,	····	-					* * *		
	Purpose			Diamete	. 1	Т	Mat	erial	N	ozzie T	hickn	929	Dain	·	- A	Hachn	oont F	Details	1 .	.•	
(Inlet,	Outlet, Dr		No.	or Size	Тур	e	Nozzle	Flange		om.		orr.		forceme laterial		lozzle		lange		ocation sp. Open.)	
																			<u> </u>		
															$\neg \neg$						
12. lder	ntification	of part	:(s)				_	-												······································	
	Name	of Part		Quantity	Line No.	Mfr'	s. Identification No.		0.	Mfr's. Drawii			о.		CRN Na			lational Board N		Year Built	
					1	1			1							L_				<u></u>	
13. Sup 14. Ren	ports: Sk	rt(Yes	No L	ugs	Le	gs _	Number)	_ Other		(Des	scribe)		At	tached			(Whe	ere and	now)		

FORM U-2A (Back)

	CERTIF	ICATE 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	01/19/2015	A B. ()							
Date 6/4/2019 Name	Greens Bay (Manuf		Signed	(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 TUV Rheinland AIA Services, LLC of Houston, Texas											
have inspected the pressure vessel part described in this Manufacturer's Data Report on											
ASME BOILER AND PRESSURE VESS	EL CODE, Section	اللاء Division 1	By signing this certif	icate neither the Inspector nor his/her employer							
makes any warranty, expressed or imp	ied, concerning th	pressure vesse	part described in this	Manufacturer's Data Report. Furthermore, neither							
The state of the s	ill be liable in any	nanner for any p	sersonai injury or prop	perty damage or a loss of any kind arising from or							
connected with this inspection.	Altelli (IE CHIKK		NB13919H							
Date 4 5 Signed	(Authorized	Inspector)	Commissions _	[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 55%

Greens Bayou Pipe Mill 13935 Industrial Road Houston, Texas 77015

1. M	. Manufactured and certified by Greens Bayou Pipe Mill 13935 Industrial Road Houston, Texas 77015 (Name and address of Manufacturer)																				
2. M	anufacture	for _					.,	Norths	hore Su		13935	Industrial	Road H	louston		7015					
3. Lo	ocation of in	stallat	ion _																		
					4 Ch	ell		uho hund	lol1		(Name and address) 2600-001 THRU 2600-004 (Manufacturer's serial number) (CRN)										
	4. Type[Description of vessel part (shell, two-piece head, tube bundle)]										2014										
(National Board number) (Drawing number) 5. ASME Code, Section VIII, Div. 1 2013 (Edition and Addenda, if applicable (date))											(Drawing prepared by) (Year built)										
5. A	SME Code,	Sectio	n VIII,	Div.	1	on and Adde	enda. i	f applica	ble (dat	e)]		(Co	de Case r	number)			[S _I	ecial:	service p	er UG-120	(d)]
6. S	hell: (a) N	lumbe	r of co	urse((s)	1			(b) Ov	erall l	engtl	h				10	0,-0,				
	Co	urse(s))		N	/laterial		Thickness			Lor	ng. Joint	(Cat. A		-	_	oint (Cat. A, B & C) Heat Treatme				
No.	Diameter		Leng	th .	Spec./	Grade or	Type	Nom.	Corr	. Ty	pe I	Full, Spo	t, None		Type	Full, S	Spot, None Eff. 1			Temp.	Time
1	36" OD		10'-0) ^M	S/	A516-70-N		1.75"	•	:	1	fu	n	<u> </u>							
											_			4		-					
											L		·		<u> </u>	<u> </u>					
									Body i	Flanne	on Si	hells	·:								
Body Flanges on Shells Bolting																					
No.	Туре	ID	0	D	Flange Thk	Min Hub	Thk	Materia	ir H	low Atta	ched	Locat	ioh	Num &	Size B	Bolting N	aterial		Vasher), ID, thk) Wasi	ner Material
																	·				
								·													
7. H	leads: (a)		/A.A	-1	. number, gr	ndo as tumo	VILT	time at	nd temp	, · · ·		(p)	//	faterial s	spec num	ber, grad	le or type	e) (H.T.	- time	and temp	.)
		- 1														o Press				egory A	
	Location (To	, b. F.	Thickne		Radi			tical	Conic			ispherica ladius		lat	Conve			Туре		Spot, N	
	Bottom, En	ds) N	lin. C	orr.	Crown	Knuckle	Ra	tio A	pex Ar	igie	n	auius	Diai	neter	COLIVE		cave	1900	1 311,	, ород п	0.10
(a)													-			-					
(b)			L_		<u> </u>				-												
	·						······································		Body	Flange	s on H	eads									
															1		Bo	ting	Madea		
	Location	Туре	Type ID		OD	Flange	Thk	Min Hub	Thk	Mate	rial	How Att	ached	Num & Size		Bolting Material		(00	Washer (OD, ID, thk)		her Material
(a)																					
(b)																		L.,			
8. 1	MAWP	nternal)		xterns	at mail	ax. temp	• —	(Interna	al)		Extern	F	viin. de	sign n	netai tei	mp			at		
9. 1	mpact test		,-			Yes or n	es - B	ase, Haz	, Weld						. at tes	t temp	erature	e of		-20 F	
,	Hydro., pne				[Indica	ite yes or n	o and t i	he compo	onent(s)	ımpact -	tested	toet									
10. H	lydro., pne lozzles, insj	u., or conce	omb. t	test p safet	oressure sy valve o	penings:				r	1001	1 8 81		<u> </u>							
				1				N/	laterial		No	ozzle Thi	ckness	Rei	nforcen	nent	Attacl	nmen	t Detai	ls [ocation
Uni	Purpos let, Outlet, D	Diameter or Size	Тур	e F	Nozzle		ange	+	om.	Corr.		Materia	-	Nozz		Flang		sp. Open.)			
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	or, ourier, D	, 01		۷o.		1					1		···· -:								
-			-+					•	\top												
12. 1	dentification	n of pa	art(s)	1		.L	1		<u> </u>	-	<u></u>						•			2000	
								Mfr's.	 Drawing	g No.		CRN		Natio	nal Bo	ard No.	Year Built				
								 ,													
-							1														
															A	.1					
13. S	Supports: SI	kirt _	No Yes or or	L	ugs	mber)	egs	(Numbe	O er)	ther		(Desc	ribe)		Attache	ea		(\	Where at	nd how)	

14. Remarks _

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	01/19/2015	\mathcal{A}							
Date 4/4/26/4 Name	Greens Bayou Pipe Mill (Manufacturer)	Signed	(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 TUV Rheinland AIA Services, LLC of Houston, Texas										
have inspected the pressure vessel p			430014							
and state that, to the best of my kn	owledge and belief, the Manufact	urer has constructed	this pressure vessel part in accordance with							
ASME BOILER AND PRESSURE VES	SEL CODE, Section VIII, Division 1.	By signing this certific	cate neither the Inspector nor his/her employer							
makes any warranty, expressed or im	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.	hall be liable in any manner for any p	ersonal injury or prope	erty damage or a loss of any kind arising from or							
4 300/4	MARININ DE CIDINER		NB 13919A							
Date Signed	(Authorized Inspector)	Commissions	[National Board (incl. endorsements)]							