112918

CL-0052

# 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

1/10

												-	
1. Ma	nufactured and	certifie	d by	Curtis	Kelly Inc., /	A Subsidiary			Inc., 13863 Indi	ıstrial Road	, Houston	n, Tx 77	015
2 M:	nufactured for				Mississippi	Power Com			of Manufacturer) ach Blvd., Gulfpe	ort, MS 395	02		
	cation of installa			14			(Name and	ddress of Pure				28	
3. LO	Vortic	al		1031-60	13			Name and add	ress)	309			013
4. Ty	(Horizontal or ve	artical, ta	nk) (Manu	facturer's ser	ial number)	(CRN)		(Drawing nur	mber) (Nat	ional Board nu		(Yea	r built)
	e chemical and p	hysica	I properti	ies of all p	arts meet ti	ne requireme							RE VESSEL
CC	DE. The design,	constr	uction, ar	nd workma	anship conf	orm to ASM	E Rules, S	ection VIII,	Division 1		2010 Year		
to	A.C.		-t							10		10 100/411	
	9/	da, if ap \-516-7	plicable (da 70N	ete)]	.4375"		la Casa numi O"	oors)	32" O.D.	(Special s	ervice per U -'56	10" SM/	
6. Sn	(Material s	pec. nun	nber, grade)		minal thickness		. allow.)		(Inner diameter)	nto.		gth (overa	
7. Se	ams	1	ant lan but	Sp. (B.T. (spe	ot 8	15% (f., %) (H.T. t	amo) (Tir	na hr) [Girth	(welded, dbl., sngl., l		Spot	85 (Eff., %)	7 No. of courses)
0.11-					350-LF2 *				(110.000), 0.01, 0.1811, 1		16-70N		
в. не	ads: (a) Material				. no., grade)		(1,	ij iviateriai .		(Spec. no.	grade)		
- 1	Location (Top,			Corrosion	Crown		Elliptical	Conical					Pressure r Concave)
(.)	Bottom, Ends)			Allowance 0"	Radius	Radius	Ratio	Apex Ang	le Radius	Diam 31.2		Jonvex o	Concaver
(a) (b)	Top Bottom	3.8		0"			2:1		-	31.6	-	CON	CAVE
	(b) Bottom .4375" 0" 2:1 CONCAVE												
					154 SALES IA				spec. number, grade,	size, number)			
9. MA	WP31	0 PSI		-	(External)	F a	t max. ten	np	(Internal)			(External)	
Mi	n. design metal t		-28 Deg	gF at	5-195 115,50	. Hvdro.	, eneu., o	r <del>comb.</del> tes	t pressure		403 P	SI	
	2						, ,						
	oof test zzles, inspection		nfaty val	ve openin	ue.								
10. 140		, and s				terial	Nozzla	Thickness	I note to a constant	Attachme	nt Details		ocation
(Inlet,	Purpose Outlet, Drain etc.)	No.	Diamete or Size		Nozzle	Flange	Nom.	Corr.	Reinforcement Material	Nozzle	Flange	-	sp. Open.)
	nonia Vapor Out	1	6" 300#	Anterior designation of	*****	*****	.28"	0"	SA-516-70N	****	Welded	i To	op Flange
	40	1	4" 300#		******	41177 4	.438"	0"	SA-516-70N	UW16.1(e	Welded		ttom Head
R	eboiler Return		6° 300#	WN	SA333-6	*****	.28*	0°	SA-516-70N	UW16.1(e	Welded	-	Shell
				+								$\top$	
					Cont'd	on U4							
14 C.		Yes	Luga		Loge	Other			hadaettA		Welded	to Head	
i i. su	pports: Skirt(Ye	s or no)	. Lugs _	(Number)	(Nu	mber)		(Describe)	Attached			and how)	e fallandaa
12. Re	marks: Manufact	urer's 32" 3	Partial Da 800# RF E	ita Report Blind Fland	s properly i be. Serial# !	dentified and 921-2-1, KLA	i signed b D Manufa	y Commiss	sioned inspector Cert of Auth #	33732 (Ad	n turnisn ditional U	ed for the	nt'd on U4)
ite	ms or the report:			(N	ame of part, iter	m number, Manu	facturer's na	me and identify	ying stamp)				
_			lop	p Flange,	Shells, Hea	d, & Nozzie i	з кераа с	narpy impa	act tested @ -28	Deg r.			
					CERTIFIC	CATE OF SHO	OP/FIELD	COMPLIAN	ICE			2.63	
Were	ertify that the sta	temen	ts made i	n this rend						ction, and v	workman	ship of	this vessel
confo	rm to the ASME	BOILER	AND PRE	ESSURE V	ESSEL COD	E, Section VII	I, Division	1. "U" Cer	tificate of Author	ization Nuri	iber	347	
expire	s10/13/20	16								7 <i>1</i> //			
Date	10/25/13	Co. na	ameC	Curtis Kell		bsidiary of S	pitzer Ind.	Inc. Si	gned	11/1	Rege		
					(Mar	nufacturer)				(Reg	presentative	)	
	A MO					CATE OF SH			ON 13863 Indust	rial Pond L	loueton	Tv 770	15
	el constructed by undersigned, ho					pitzer Indust		at				-	
I, the	undersigned, ho	lding a	Texas	nmission	issuea by th		ployed b			eCIS, Lynn		itate or i	TOVINCE OF
have	inspected the co	mpon	7.56207(31)200	ibed in th	is Manufac			111111	.28.12	)		, and	state that,
to the	best of my know	vledge	and beth	et, the Ma	nufacturer l	has construc	ted this p	ressure ves	ssel in accordan	ce with ASM	NE BOILE	RAND	PRESSURE
VESS	EL CODE, Section	n VHI,	Division	1. By sign	ning this ce	rtificate neit	her the In	spector no	r his/her emplo	yer makes	any warr	anty, ex	pressed or
impli	ed, concerning t	he dre	ssure ves	sse descr	foed in this	Manufactu	er's Data	Report. Fu	rthermore, neit	her the Insp	ector no	r his/he	r employer
snall	shall be liable in any manner for any personal injury or property demade or a loss of any kind arising from or connected with this inspection.												
Date!	61.00.V	Signe	ما الم	10	Authorized Inspi	ector)	1	Commissio	INstional Board	(incl. endorsen	nents), Štate	, Province	, and number)
				N			1						

#### FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

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

1. Manufactured and	certified	by Curtis Ke	lly Inc., A	Subsidiary of S	Spitzer Industri	es Inc., 1386	3 Industrial	Road, Houston, Tx	77015		
2. Manufactured for	Mississir	opi Power Comp	anv. 2992	West Beach Bl	lvd., Gulfport,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
AND PROPERTY OF STATE					(N	ame and addre					
<ol><li>Location of installa</li></ol>	ationN	Mississippi Powe	er Company	y - IGCC Faci	lity, 5835 High	way 493, De	kalb, MS. 39 and Address)	9328			
4. Type Vertical					er Ammonia P	urifier	_	1931-603	(Manufacturers s	orial combon)	
(Hor	izontal vertic	al, or sphere)		(Tank, sepa	rator, heat exch.,	etc.)			(Manutactures s	crai number)	
					1931-603				309		2013 (Year built)
	(CRN)				(Drawing num)		m · 1		Board number)	nt Detaile	Location
Purpose (Inlet, Outlet, Drain etc.)	No.	Diameter or Size	Туре	Nozzle	erial Flange	Nozzle Nom.	Corr.	Reinforcement Material	Attachme Nozzle	Flange	(Insp. Open.)
Bottoms Pump Kickback	1	2" 300#	LWN		SA182F321	.655"	0"	Integral	UW16.1(e)		Shell
Steam Out	1	2" 300#	LWN		SA182F321	.655"	0"	Integral	UW16.1(e)		Shell
Support for Nozzle A	1	3" 300#	WN	SA333-6	SA350LF2*	.300"	0"	SA-516-70N	UW16.1(e)	Welded	Shell
Support for Nozzle C	1	3" 300#	LWN		SA350LF2	.81"	0"	Integral	UW16.1(e)		Shell
Unloading Connection	2	10" 300#	WN	SA333-6	SA350LF2*	.365"	0"	SA-516-70N	UW16.1(e)	Welded	Shell
Bridle	2	3" 300#	WN	SA333-6	SA350LF2*	.300"	0"	SA-516-70N	UW16.1(e)	Welded	Shell
Level Transmitter D/P	2	2" 300#	LWN		SA182F321	.655"	0"	Integral	UW16.1(e)		Shell
***	4	2" 300#	LWN		SA182F321	.655"	0"	Integral	UW16.1(e)		
								-			
Data Report											
Item Number						Rem	arks				
	_	1/8" SA-240-32									
		pped Water Out essure Differenti						4			
	***************************************	JW16.1 (AI)	ai iransmi	tter							
	-	SA-350-LF2									
		Pipe-1-SA-333	-6, S/100 /	Conc. Reduce	r-1-SA-420-W	PL6 W/1/8"	SA-240-321	Overlay, S/100			
		* Pipe-2-SA-33									
								d .			
Additional U2A's:	6" 300	# DEWN Sch ST	CD v 10" L	ONG Serial#	921-5-1 & 921	-5-2. KLAD	Manufacturi	ng Company,. Cert	of Auth. # 33	732	
Additional OZA's.		120 PIPE x 14"									
	3" 300	# RFWN Sch 80	X 7" LON	G, Serial# 92	1-8-1 thru 921-	8-3, KLAD 1	Manufacturir	g Company, Cert.	of Auth. # 337	32	
	10" 30	0# RFWN Sch S	STD X 8.5	LONG, Serial	921-3-1 & 92	1-3-2, KLA	D Manufacti	iring Company, Ce	rt. of Auth. # 2	33732	
		0# RFWN, PCC									
		# RFLWN x 12'									
	3" 300	# RFLWN x 12'	LONG, P	CC KLAD LL	C, Serial# 921	7-1, Cert. of	Auth. 33/3/				
								3			
-											2
Certificate of Authorization	n: Type	u /		1	No. 34782	2		Expires	10/13/16	///	
Certificate of AditionZation	. Type _	<		1	-			4	1	151	n.
Date 10/25/13	No	ane Curtis K	elly Inc. A		Spitzer Industri Manufacturer) 9	ries, Inc		Signed	41	(Representat	ive)
1 2 3 6 1	2	1 1	-1			X		(0-0	Cont.	KR -	ションニ
Date 10.25,	N.	ame in to	1/~	11	~~		Com	nissions Noscal	SUPORT	CIO CIO	Province and number
		V.		(AUI)	lorized Inspector)	1		[National E	loard (incl. endor	sements), 5tate.	Fravilce, and number)
						l		4			

#309

. 1.)	Manufactured	and certified by	KI	KLAD MANUFACTURING COMPANY LTD. 403 SOUTH LOOP WEST HOUSTON, TEXAS 77054 (Yame and address of Manufacturer)										
2.)	Manufactured	for		Curtis Kelly, Inc.										
3.)	Location of ins	tallation				P.O. E		97 HOUSTO	The state of the s	S 772	13			
			011 0004 5	or DI IND	FLANOE	V.		(Neme and addre						
4.)	Турэ:	THE RESERVE AND ADDRESS OF THE PARTY OF THE			FLANGE eca head, tube bu	indie)	8 8		921-2-1 (M/g. Serial I				(CRN	5
		N/A				N/A				N/A			201	
		(Nat1 Board No.)			2010/11	Oracing No.)		274		ing prepar	ed by)		(Year B	માંગ)
5.)	ASME Code,	Section VIII, Div.1		(Edit	ion and Addenda	(date))		(Code Case	The second second second			Special Ser	N/A vice per UG-120 (	0
6.)	Shell (a.) N	lo. of course (s):					(b) (	Overall length (ft.						
	Course	(s)	Mal	erial	Thick	ness		Long Joint (Cat. /	A)	Circum	Joint 9Cal.	A. b, & c)	Heat Trea	itment
No.	Diameter, In.	Length (it. & In.)	Spec./Gra	de or Typa	Non.	Corr.	Тура	Full, Spot, None	Eff.	Туре	rll, Spat, No	EH.	Temp-	Time
			-	-					****		***			
-	4.00		-	-		-						****		
-														
7.)	Heads: (a)		Half-Saan M	N/A	ype) (H.T Time)	A Temal		_ (b)		Anti Spec	No Grade	N/A	LT Time & Temp	1)
	Location (Yop,	Thickne			adius	Etilptical	Apex	Hemispherical	Flat		Pressure	,,,,,	Category A	
	Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Angle	Radius	Diameter	Convex	Concave	Туре	Full,Spot,None	Eff.
(a)	_				***			-		-			***	
(0)					-				Name .	e				
lf rem	iovable, bolts i	ised (describe off	er fastening	9)				(Matt) So	N/A ec. No., Grad	le. Size. N	0.1	7		
8.)	MAWP			psi at i	max.temp,	PR		F. Min. desi				Fat		psi.
		(internal) (ex	demai)			(internal) (ex	dernai)							-
9.)	Impact test	(indicales yes or no a	and the comes	N//	The second second	:		_at test temperal	ture of			N/A		. F.
10.)	Hydro., oneu.,	or comb, Test pro		nicia (a) militar	a toatou)	N/A			Proof test			N/A	A	*
	.,,									3				
11.)	Nozdes, inspe	ection, and safety												
	pose (Inlet, let, Drain,ect.)	No.	Diameter or size	Flange Type	Nozzie Nozzie	erial Flange	Nom.	le Thickness Corr.	Reinford Mate		Nozzle	Flange	Locati (Insp. O	Carrier Land
		1	32"	300# BLIND		SA350 LF2	3.19°	OVERLAY						
				_									-	
			_							2				•
12.)	Identification of	of part(s)						т				1		
1	Name o	Part	Quantity	Line No.	Mfr's.	Identification	No.	· Mírs.	Drawing		CRN	Nation	al Board No.	Year Buill
								-		***				
13.)	Supports:Skirt		Lugs		Legs		Others				Attached		_	
		(yes or no)		(No.)		(No.)		1,000	escribe)	4			(Where and how)	)
. 14.)	Remarks:	"NO DESIGN FU						P.T. AND PMI						
		OVERLA	ED (1) 32	SOUP AF DI	DINDFONGE	WITHOUT	.0. 10078	F.I. AND FIME		-		·		
r ·			-		CERTIFIC	ATE OF SHO	P / FIELD	COMPLIANCE						
		latements made i			and that all de					this pre	ssure vess	el part co	nform to	-
1		Pressure Vessels	, Section VI	II, Division 1	33732 ·			Expires	26 DEC	2014				2
O Ce	rtificate of Auth	5-31-17	Alama		KLAD MANUF	ACTI IDING (	CAMOMO		20 050	Signed	10		17	51
	Date	2-11-	- Ivenie		NEAD MANUE	Manufacturer)		LIU.		olgiled	U-C-	(Réc	vesentative)	
					CERTI	FICATE OF S	SHOP / FI	ELD INSPECTIO	N	(2)				
		o undersigned, he								spectors	and/or the			. [
of		EXAS	and employ			BEACON AN		vc. co.	31-20	1/7		LYNN	MA.	
have and s	inspected the plate that the	pressure vessel pa best of my know	edge and b	d in this Mai ellef, the Ma	nufacturer has	sta Report on s constructed	this press	ure vessel part in	accordan	ce with A	SME Cod	e. Section	VIII	
Divisi	on 1. By signin	g this certificate n	either the In	spector no	r his employer	majres any w	arranty, e.	xpressed or impli	ied, conce	ming the	pressure	vessel pa	nt ·	
descr	ibed in this Mai	nufacturer's Data any kind arising fr	Report, Fu	nected with	either the thisp this inspection	ector nor his	employer	snati be liable in	any manne	r tor any	personal	injury or p	горепту	
	271	. /)			11/	har				11 -	11111	1.		-
Date:	) -)[	12	Signed:	41	(Authorized	Intramed		Commissions:	1	Jan Paris	IV Z	MAN SIN	, Province and No	,
I					Annual Treat	mapeurerj			- 11	-un i Dugit	FIGURE FIGURES	men, our	. TOTALLE BING INC	21

#### 2/10

## Form U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM) A Part of a Pressure Vessel Fabricated by One Manufacture for Another Manufacturer As required by the Provisions of the ASME Code Rules, Section Vill, Division 1

	Manufactured a	nd certified by	KU	KLAD MANUFACTURING COMPANY LTD. 403 SOUTH LOOP WEST HOUSTON, TEXAS 77034  (Name and address of Manufacturer)										
21	Manufactured for	ne.					. (	Curtis Kelly, Ir	nc.					
٤.,	manufactures in					DO B		e and address of Pu 7 HOUSTON		3 7721	13			2.
3.)	Location of inst	allation _				P.O. B	UN 9008	(Name and addres		, ,,,				
4.)	Туре:	6" 300	# RFWN S	SCH STD	x 10" LON	G		The second secon	5-1 & 92	The state of the s			(CRN)	
	-		of vessel part	(sheli,two-ple	ce head, tube bun	N/A		(	M/g. Serial N	o.) N/A			2012	!
		(Nafi Board No.)			(0	rewing No.)			(Orawi	ng prepare	ed by)		(Year Bui	
5.)	ASME Code, S	ection VIII, Div.1			2010/11			2714	-	9 6		The second second	N/A ice per UG-120 (d)	
				(Editi	on and Addenda (	(date))	(b) O	(Code Case verall length (ft. 6			(	apeciei dei i	No bei ochies (o)	,
6.)	The second secon	o, of course (s):	Mata	20 I	Thickr	320	1000	ong Joint (Cat. A		Circum	Joint 9Cst.	A b. & c)	Heat Treat	ment
No.	Course Diameter, In.	(5) Length (ft. & in.)	Mate Spec/Grad	Address of the last of the las	Nom.	Corr.	Тура	Full, Spot, None	EH.	Туре	J. Spot, No.	en.	Temp	Time
110.	Commercia, in.	-	-		-				_	-7	-		-	
_	_	_	-				-	_				-	-	
_					-		-							
7.)	Heads: (a)	N/A (b) N/A  (Mart. Spec. No., Grade or Type) (H.T Time & Temp.)  (Mart. Spec. No., Grade or Type) (H.T Time & Temp.)												
						Elliptical	Apax	Hemispherical	Flat		Pressure	,,,,,,	Category A	
	Location (Top, Bottom, Ends)	Thickna: Min.	Corr.	Crown	edius Knucide	Ratio	Angle	Radius	Diameter		Concava	Тура	Full,Spot,None	Eff.
(a)	_	_				_		***		_4			-	
(b)			400					_		_				***
If rer	novable , bolts u	used (describe oth	er fastening	)				(Mari Sp	N/A ec. No., Grad	te, Size, N	10.)			
91	MAWP	_	_	psi at i	nax.temp.	-	_	F. Min. des				Fat		psi.
0.1	move	(internal) (e)	demai)			(internal) (ex	(lamet	-1111	tues of			N/A		F.
9.)	Impact test	(indicates yes or no	and the compon	N/A				at test tempera	tore or					
101		or comb. Test pr				N/A			Proof test			N//	Α	
		ection, and safety		rgs: Flange	Mate	orial	I Norr	le Thickness	Reinford	cement	I How A	ttached	Locati	on
	inpose (Inlet, idet, Orain,ect.)	No.	Diameter or size	Type	Nozzle	Flange	Nom.	Corr.	Mate	erial	Nozzle	Flange	(Insp. O	pen.)
		2	6.	300#	SA-333-6	SA-350 LF2	1.08*	OVERLAY			-	ann		
		_		_	_					-				
42	) Identification (	of nad/s)												
12.	) Identification	or part(o)	T	1	1	-			D /		CDM	Mation	al Board No.	Year Buill
L	Name o	Pert	Quantity	Line No.	Mfr's.	Identification	1	Mirs	. Drawing	T	CRN	Nauon	al Board No.	Tear dum
_						-			_					-
_	+	•				_	1			1	Attachas			
13.)	Supports:Skirt	(yes or no)	_ Lugs	(No.)	Legs	(No.)	Other		Describe)	~	_ Attached	,	(Where and hou	v)
14	) Remarks:	"NO DESIGN FL	JNCTION P		D BY KLAD M		RING CO.	LTD.*						
1.0.	, itemories								C WITH 2	700	00% P.T	UT AND	PMI	
		OVERLA	YED (2) 6°	300# RFW			-	PIPE x 10° LON	-	17 3.3.	0070 1.1.,	V.1.7410	1 107	
Ma	certify that the	statements made	in this report	l are correc	CERTIFIC t and that all d	etads of mate	erial, const	D COMPLIANCE fruction, and wor	kmanship (	of this pr	essure ves	sel part o	onform to	
the	ASME Code for	Pressure Vessel	s, Section V	III, Division	1.					. 2	. 0		M	
UC	ertificate of Aut	horization No.			33732			_ Expires	28 DEC	201	(X)	inne	al Win	000
	Date	10/12/1	≥ Name		KLAD MANUI	(Manufacture		Y LTD.	_	Signe	0_0	R	epresentative)	101
1					CERI	TEICATE OF	SHOPIE	IELD INSPECT	ION					
_				id commiss	ion issued by	the National E	Board of B	oiler and Pressu	re Vessel I	nspecto	rs and/or ti	ne State o	r Province	
-	1, 7	The undersigned, I	holding a val											
of	,	TEXAS	_ and emplo	oyed by	ON	EBEACON A	delighter to the same	INC. CO.	-7 · of	201	2	LYN	N,MA.	
22/22		TEXAS	_ and emplo	oyed by	ON ON	EBEACON A	0	10-	31 - 2	ance with	2 ASME CO			
hav	re inspected the	rexas pressure vessel pa best of my know	and emplo part describe Medge and t	oyed by ed in this M belief, the N	ON anufacturer's D	BEACON A	n d this pres	ssure vessel part				ode, Section	on VIII,	
hav and Div	re inspected the I state that, to this islon 1. By sign	pressure vessel pressure vessel pressure vessel pressure vessel pressure vessel pressure pres	and emplo part describe wledge and it neither the	oyed by ed in this M belief, the M Inspector n urthermore.	ON anufacturer's D fanufacturer hi or his employa neither the Inu	EBEACON A Data Report of as constructed makes any spector nor hi	n d this pres	ssure vessel part				ode, Section	on VIII,	
hav and Div	re inspected the I state that, to this islon 1. By sign	rexas pressure vessel pa best of my know	and emplo part describe wledge and it neither the	oyed by ed in this M belief, the M Inspector n urthermore.	ON anufacturer's D fanufacturer hi or his employa neither the Inu	EBEACON A Data Report of as constructed makes any spector nor hi	n d this pres	ssure vessel part expressed or im er shall be liable i	in any man			ode, Section	on VIII,	
hav and Div	re inspected the I state that, to the islon 1. By sign scribed in this M mage or a loss.o	pressure vessel pressure vessel pressure vessel pressure vessel pressure vessel pressure pres	and emplo part describe wledge and it neither the	oyed by ed in this M belief, the M Inspector n urthermore.	anufacturer's D fanufacturer ha or his employa neither the fin h this propertion	EBEACON A Data Report of as constructed makes any spector nor hi	n d this pres	ssure vessel part	in any man	ner for a	7/0	ode, Section e vessel p al Injury or	on VIII,	No.)

#309

6/10

1.)	Manufacture	d and certified by			PCC KL	AD LLC	103 SOU	TH LOOP WE	ST HO	JSTON	I. TEXAS	S 7705	4	
2.)	Manufacture	u for					ghan	ma and address of M D. BOX 96097	anufacturer)					
3.)	Location of in	actellation				mo remy,	(Na	ame and address of	Purchaser)	ON. TE	XAS 112	213		
۷.,		ISTATION						UNKNOW (Name and addre						
4.)	Type:	(Baserint	4" Sch 12	20 PIPE x	14" LONG piece fiead, tube t		_		921-6-			-9/		
		N/A	WI OI 453251	paritaneumo-	piece nead, rube t	N/A			(Mig. Serial				(CF	(N)
		(Natl Board Na.)		-		(Drawing No.)		-		N/A		-	20	
5.)	ASME Code.	Section VIII, Div.	1		2010/11			2714		wud biebs	red by)		(Year	Burli)
				(E	Ation and Addend		-	(Code Cas		-		(Passint P	N/A	
6.)		No. of course (s):					_ (b) (	Overall length (ft.		_		(opecial s	ervice per UG-120 	(a)
-	Cours			alerial.	Thic	kness ·	1	Long Joint (Cat.	A) .	Circum	n, Joint 9Cat.	Absei	T Heat Tre	almont
No.	Diameter, In.	Length (It. & In.)	Spec/G	rade or Type	Nom,	Con.	Type	Full, Spot, Nona	Ett.		III, Spot, No		Temp	Time
	***			***		-	-	3		-				***
		***					***	***	_		_	l _		
					8779				-			****		
7.)	Heads: (a)		3	· N/				(b)				N/A		(
		Ü	Maril Spec. N	lo , Grade or T	ype) (H.T Time	& Temp.)		. (0)	· ·	Mail Spe	. No . Grade		I.T. : Time & Tem	2)
	Location (Top.	Thickne		F	Radius	Elliptical	Apex	Hemispherical	Flat		Pressure	- 1,7=7,0		P1
-	Bottom, Ends)	Min,	Corr.	Crown	Knuckle	Ratio	Angle	Redius	Diameter	-	Concave	Type	Category A Full Spot None	Eff.
(8)			***	-				***	_		-	***		
(b)														
It rem	ovable, bolts	ised (describe oth	er fastenin	9)					N/A					
8.1	MAWP				and a second of the second of				c. No., Grad		0)			
/	and the same	(internal) (ex	ternals	- psi at	max.temp,	(internal) (e		F. Min. desig	on metal te	mp.	***	Fat		psi.
9.)	Impact test			N/A	A	feriotried fe		at test temperate						
		(indicates yes or no a	nd the compo	nent (s) mpac	I lesteo)			at test temperate	ne or			N/A		. F.
10.)	Hydro., pneu.,	or comb. Test pre	SS.			N/A		1	Proof test			N/A	Δ.	
	Manatan tan-											140	1	
-		ction, and safety v												
	ose (Inlet, t, Drain.ect.)	No.	Diameter or size	Flange	Male	THE PERSON NAMED IN		Thickness	Reinforce	ment	How All	ached	Locati	00
	KNOWN	1	4"	Type	Nozzle SA-333-6	Flange	Nom.	Corr.	Mater	ial	Nozzle	Flange	(Insp. O	en.)
	-		-		OV-222-0		0.438*	OVERLAY					110	
					-				king					-
12.) (	dentification of	part(s)												
										1				
_	Name of	Part	Quantity	Line No.	Mirs. Id	lentification (	No.	Mirs. E	Drawing		CRN	Nationa	Board No.	Year Built
- 1								***	***					
							***	***						
3.) Su	pports:Skirt		Lugs	_	Legs	***	Others			4	****			
	200	(yes or no)	-	(No.)	_	(No.)	-	(Desc	ribe)		Allached_		(Where and how)	-
14.) R	lemarks:	NO DESIGN FUN	CTION PE	RFORMED	BY KLAD MAN	NUFACTURI	NG CO. LT	D."					(Minera and now)	
5000		1) 4" Sch 120 PIPI	E x 14" LO	NG,OVERL	AYED I.D. ONL	Y WITH 34	7 S.S. 100%	P.T.,VT AND P	MI					
-	-													
·	Z. 15 - 1 11 1				CERTIFICA	TE OF SHO	PIFIELDO	OMPLIANCE						
ve cen 18 ASA	ny inai ine sia 15 Code for Pr	tements made in t ressure Vessels, S	his report a	ste correct a	ind that all deta	ils of materi	al, construc	tion, and workma	inship of th	is press	ure vessel	part conf	orm to	
	icate of Author		echon VIII	. Civision 1.										1
0011111	(1)	1-10			33732				DEC	2014	A	. 11	^	
	Date _	21.12	Name _	K	AD MANUFAC	CTURING C	OMPANY L	TD.	5	igned_	-	xen	$2\Lambda$	- 1
					CERTIE	danulacturer)	IOD LEIBI					(Repre	sentative)	
	I, The	undersigned, hold	ing a valid	commission	issued by the	National Box	nd of Boller	D INSPECTION	need lace					
	TEX	CAS a	nd employe	ed by	ONER	EACON AME	COLCA INC	CO PIESSUIA VI		ecicis ai	id/or the S			
ive ins	pected the pre	ssure vessel part			factured a Data	Donad on	INICA INC.	1/2/5	of _		1	LYNN,M	A	
o state	e inai, lo ine b	est of my knowled	ce and beli	of the Mani	fachurar has e	anethiclad it	is proseure	uncest and in a	7.13	13/1				
						tor nor his e	mployer sha	all be liable in any	manner	or any pe	ersonal iniu	ny or pro	perty	
2	) / ~	y kind arising from	i or conne	crea with thi	s inspection.	/					•			
ate:	1/1/	0/9 si	gned.	1 1	Jan	wi	· · · · ·	ommissions:	1	is	711	1 1.	í .	
					(Authorized Ins	pectors			71100	Board	140000	) July		
			This form in	00121) may b		A Cidas Davi	10117 221	24 - 2 - 20 - 20 - 2	irel	Sesta No	enociseme	rt, state, P	rovince and No 1	

### 6/10

## Form U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM) A Part of a Pressure Vessel Fabricated by One Manufacture for Another Manufacturer As required by the Provisions of the ASME Code Rules, Section VIII, Division 1

KLAD MANUFACTURING COMPANY LTD. 403 SOUTH LOOP WEST HOUSTON, TEXAS 77054 Manufactured and certified by (Name and address of Manufacturer) Curtis Kelly, Inc. 2.) Manufactured for (Name and address of Purchaser) P.O. BOX 96097 HOUSTON, TEXAS 77213 3.) Location of installation (Name and address) 921-8-1 THRU 921-8-3 3" 300# RFWN SCH 80 x 7" LONG 4.) Type: (CRN) (Mfg. Serial No.) (Description of vessel part(shell,two-piece head, tube bundle) 2012 N/A N/A N/A (Year Bulti) (Drawing prepared by) (Orawing No.) (Nat1 Board No.) N/A 2010/11 2714 5.) ASME Code, Section VIII, Div.1 (Special Service per UG-120 (d) (Code Case No.) (Edition and Addenda (date)) (b) Overall length (ft. & in.): 6.) Shell (a.) No. of course (s): Heat Treatment Long Joint (Cat. A) Circum, Joint 9Cet. A. b. & c) Thickness Material Course (s) Туре II, Spat, No Eff. Temp Time Type Full, Spot, None Diameter, In. Length (fl. & In.) Spec/Grade or Type No. NA (b) N/A 7.) Heads: (a) (Mari. Spec. No., Grade or Type) (H.T. - Time & Temp.) (Matt. Spec. No., Grade or Type) (H.T. - Time & Temp.) Category A Side To Pressure Flat Elliptical Hemispherical Apax Thickness Radius Location (Top Eff Full,Spot,None Convex Conceve Ratio Angle Diamete Type Corr. Crown Knucida Min. Bottom, Ends) (a) N/A If removable, bolts used (describe other fastening) (Mat1 Spec. No., Grade, Size, No.) F. Min. design metal temp. psi at max.temp. 8.) MAWF (internal) (external) (external) (internal) N/A at test temperature of N/A 9.) Impact test (indicates yes or no and the component (a) impact tested) N/A N/A Proof test 10.) Hydro., pneu., or comb. Test press. 11.) Nozzles, inspection, and safety valve openings: Location Reinforcement How Attached Flange Nozzle Thickness Diameter Material Purpose (Inlet, (Insp. Open.) Nozzle | Flange Flange Corr. Material Nozzle Nom. or size Type No Outlet, Drain,ect. SA-350 LF2 0.81" **OVERLAY** 3° cl. 300 flo SA-333-6 3 12.) Identification of part(s) National Board No. Year Built CRN Mfr's. Drawing Line No. Mfr's, Identification No. Quantity Name of Part Attached 13.) Supports:Skirt Lugs (Where and how) (Describe) (No.) (No.) "NO DESIGN FUNCTION PERFORMED BY KLAD MANUFACTURING CO. LTD." 14.) Remarks: OVERLAYED (3) 3" 300# RFWN, Sch 80 WELDED TO 3" Sch 80 PIPE x 7" LONG WITH 347 S.S. 100% P.T., V.T. AND PMI 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 Code for Pressure Vessels, Section VIII, Division 1. 26 DEC 2014 Expires U Certificate of Authorization No KLAD MANUFACTURING COMPANY LTD. Signed Nama 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 LYNN,MA ONEBEACON AMERICA INC. CO. and employed by have inspected the pressure vessel part described in this Manufacturer's Data Report on and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME Code, Section VIII, have inspected the pressure vessel part described in this Manufacturer's Data Report on Division 1. By signing this certificate neither the inspector nor his 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 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

(Authorized Inspector) (Netl Board Inc.)

This form (E00121) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

Signed:

Commissions:

(Nat'l Board Incl. endorsement, State, Province and No.)

\$309

3/10

1.)	Manufactured a	and certified by	KL	KLAD MANUFACTURING COMPANY LTD. 403 SOUTH LOOP WEST HOUSTON, TEXAS 77054 (Name and address of Manufacturer)										
	Man factured t			Curtis Kelly, Inc.										
2.)	Manufactured I	or _					(Nam	e and address of Po	irchaser)					
3.)	Location of ins	tallation _				P.O. B	OX 9609	(Name and eddres		5 //2	13			
2.1	Tomas	10" 300	H RFWN	SCH ST	x 8.5" LON	IG		Ā.	3-1 & 92	1-3-2				
4.)	Type:	(Description	of vessel part	(shell,two-ple	ce head, tube bun	idie)			Mrg. Serial N				(CRN) 2012	
		N/A			10	N/A rewing No.)			(Octool	ng prepara	ed by)	-	(Year Bu	THE RESERVE OF THE PERSON NAMED IN COLUMN 1
<b>C</b> \	ACUE Codo (	(Nati Board No.) Section VIII, Div.1			2010/11	rawing No.)		2714					N/A	
5.)	ASME Code,	secoon viii, Oiv.	-	(Editi	on and Addenda (	(date))		(Code Case	No.	4	(	Special Serv	rice per UG-120 (d	5)
6.)	Shell (a.) N	o. of course (s):			***			verall length (ft.	-		Joint 9Cat.		Heat Trea	tenant
	Course		Mate	and the same of th	Thickn	Corr.	Туре	ong Joint (Cat. / Full, Spot, None	Eff.	-	III, Spot, No	EH.	Temp	Time
No.	Diameter, In.	Length (fl. & In.)	Spec /Gred		Nom.		1350	Pai, opor, none			-	-	_	-
						_		_		_	-			_
=					_	_	_	***					-	
71	Heads: (a)			N/A (b) N/A										
۲.,	116003. (0)	0	Matt. Spec. No	ipec. No., Grade or Type) (H.T Time & Temp.) (Mart. Spec. No., Grade or Type) (H.T Time & Temp.)										
	Location (Top.	Thickne			adius	Elliptical Ratio	Apax Angla	Hemispherical Redius	Flat Diameter		Pressure Concave	Туре	Category A Full,Spot,None	Eff.
_	Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Rauo	Migra	Region	Ciamoto	_	_	_	-	
(a)								_	_		_			-
(b)	novable bolts	used (describe oil)	ner fastening	)			-		N/A					
			•	(Mart Spec. No., Grade, Size, No.)										
8.)	MAWP	(internal) (ex	demai)	psi al i	max.temp.	(internal) (ex	temal)	P. Wan, des	ign meter t	ump.				
9.)	Impact test			N/A				at test tempera	ture of			N/A		. F.
		(indicates yes or no i		sqml (e) tnen	d tested)	N/A			Proof test	i		N/A	A	
10.	Hydro., pneu.	, or comb. Test pr	ess.			NIZ			11001100					
11.	Nozzles, insp	ection, and safety	valve openia	ngs:						4			1 1 2 2 2 2	·
P	rpose (inlet,	1	Diameter	Flange	Mate Nozzie	erial   Flange	Nom.	de Thickness Corr.	Reinfor		Nozzie	I Flange	Locat (Insp. O	- CONTRACTOR - CON
OL	tlat, Drain,ect.)	No.	or size	cl.300 fig.	SA-333-6	SA-350 LF2	1	OVERLAY	1	-	-		_	-
_	***	-	-		-	-	-	_	_	-				
12.	Identification	of part(s)									1			
	Name	of Part	Quantity	Line No.	Mir's.	Identification	No.	Mir's	. Drawing	4	CRN	Nation	nal Board No.	Year Built
	-	-						-			-	-		-
	_	-					-							
131	Supports:Skiri	_	Lugs	_	Legs		Other	s			Attached	d	-	
,	Ооррония	(yes or no)	_	(No.)		(No.)			Describe)				-(Where and ho	w)
14	) Remarks:	"NO DESIGN FI	UNCTION P	ERFORME	D BY KLAD M	ANUFACTU	ang co.	L10."						
		OVERLA'	YED (2) 10°	300# RFW	N,Sch STD Wi	ELDED TO 1	0° Sch 40	PIPE x 8.5° LON	IG WITH	347 S.S.	100% P.T.	.V.T. AND	PMI	
	Commence College				CERTIFIC	ATE OF SH	OP / FIEL	D COMPLIANC	E					
We	certify that the	statements made	in this repor	t are correct	d and that all d	etails of mate	erial, cons	truction, and wor	kmanship	of this pr	essure ve:	ssei pari c	ontorm to	1
		r Pressure Vessel	s, Section v	III, DIVISION	33732			Explres	28 DEC	201	4 1 1		( Y) =	
100	ertificate of Aut	10/12/13	Name		KLAD MANUF	FACTURING	COMPAN	IY LTD.		Signe	d(X)	inc	) KU	1907
	Date	10/10/10		-		(Manufacture	1)		_			(FE	epresentative)	
		The undersigned,	holding a val	id commiss	CERT	IFICATE OF	SHOP / I	FIELD INSPECT loiler and Pressu	iON re Vessel I	Inspecto	rs and/or ti	he State o	r Province	
		The undersigned, I TEXAS	and emplo			EBEACON A			of	osis di		LYN	N.MA.	
of			_	at to this be	andambione's C	lata Becord o	n	10	-31.	-20	12			
								ssure vessel par	in accord	ance with	ha pressur	ode, Secti e vessel d	on VIII, part	
		he best of my kno ning this certificate Janufacturer's Dat												
da	nage or a loss	of any kind arising	from or cor	nected wit	h this inspectio	9/	,			4	1_		1	
	10/10	1/12	Signad	0	3/1	re lia	-	Commissions	:/	11/	710	2/	XR	
	10: 160	10)	_ orgineo.	-	11.00	d Inspector)				(Nati Bo	ard Incl. endo	rsement, St	ste, Province and	No.)

#309



1.)	Manufactured	and certified by			PCC KLA	DLLC 403		ALOOP WES		STON	TEXAS	77054		
2.)	Manufactured	for ,			Curt	is Kelly, Inc	c. P.O.	BOX 96097 I	(OUSTO	N, TEX	AS 7721	13		
3.)	Location of Ins	tallation			Curt	is Kelly, In	c. P.O.	BOX 96097 I	HOUSTO	N, TEX	(AS 7721	13		
4.)	Туре:	(Descriptio		00# RFV	/N ce head, tube bu	ndle)	ii .	921-	1-1 thr 9: (M/g. Serial I		-	1 10	(CRN	
		N/A				N/A		2 53		N/A			201	
		(Nat'l Board No.)			Charles and the Prof. Conditions of	Oraying No.)		2714	100	ing prepan	ed by)		N/A	,avQ
5.)	*	Section VIII, Div.1		(Editi	2010/11 on and Addenda	(date))	<i>6</i> 3.0	(Code Case verall length (if.	No.)	4	(	Special Ser	vice per UG-120 (	ŋ
6.)		lo. of course (s):								0'	Joint 9Cat.	A b 0 -1	Heat Trea	Iment
	Course		Mal Spee/Gra		Thick Non.	Corr.	Type	ong Joint (Cat. / Full, Spot, None	EH.		II, Spot, No	Eff.	Temp	Time
No.	Diameter, In.	Length (it & in.)	Specificia	28 Of Type	IVWIII.	Cont.	177~					_	_	
	1			-					-	_	_	-		_
														_
_	_					_	400			4		N/A		
7.)	Heads: (a)		INV CARA M	N/A	pe) (H.T Time &	E Temp \		(b)	0	Matt Soed	No., Grade		LT Time & Yemp	0.)
		Thickne			adius	Elliptical	Apex	Hemispherical	' Flat	-	Pressure		Category A	
	Location (Top, Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Angle	Redius	Diameter		Concave	Туре	Full,Spot,Nona	Eff.
(a)	DOLLONG ELIDON		4	_	NA	-		<u></u>	****		***	_		
				_	_	_		_	_		-	-	_	
(b)	ovable bolts	used (describe oth	er fastening					27.72	1471.4	4.				
11 1011	TOTAL TARRET								ec. No., Grad		0.)	962 757		500
8.)	MAWP	-	-	psi at r	nax.temp.			F. Min. des	ign metal t	emp.	-	. Fat		psl.
9.)	Impact test		dema()	N/A		(fatemal) (ex	demai)	at test tempera	lure of			N/A		. F.
		(indicates yes or no a		neat (s) Impac	t testeo)	N/A			Proof test			N/	Α	
10.)	Hydra., pneu.	or comb. Test pr	ess.			NIA			Proof test			T VIII		
44.1	Norries inso	ection, and safety	valve openi	nas:						4				
	rposa (Inlet	l	Diameter	Flange	Mate	erial	Nozz	e Thickness	Reinford	cement		Itached	Locat	
	let Drainect)	No.	or size	Type	Nozzie	Flange	Nom,	Corr.	Mate		Nozzle	Flange	(Insp. O	
L	INKNOWN	7	32"	cl. 300 wn	SA350 LF2	1.04	.375"	OVERLAY	-	-			20.0	-
	-	_		_	-		-	<u> </u>	_	-			trus	
12.)	Identification	of part(s)												
	Name o	t Part	Quantity	Line No.	Mírs.	Identification	No.	Mfr's	. Drawing		CRN	Nation	al Board No.	Year Bušt
									_	-				
	_										dusts.			
13.)	Supports:Skirt	(yes or no)	Lugs	(No.)	Legs		Others		escribe)		Attached		(Where and how	7
14.1	Remarks:	"NO DESIGN FU	NCTION P	ERFORMED	BY KLAD MA	NUFACTUR	ING CO.	.TO."	1650					
,		OVERLAY	ED (7) 324 3	00# RFWN	FACE AND I.	D. WITH 347	S.S. 1009	P.T. AND PMI						
We d	ertify that the s	datements made i	n this report	are correct	and that all de	ATE OF SHO etails of mate	OP / FIELD	COMPLIANCE uction, and work	manship o	f this pre	ssure ves	sel part co	onform to	
the A	SME Code for	Pressure Vessels	, Section VI	II, Division	l.				26 DEC				2	
U Ce	rtificate of Auti	673 4			33732	AOTHERNO	201/211	Expires	20 020			7/		( )
1	Date	8-15.12	Name		KLAD MANUF			1,10.	•	Signed	1 an	100	presentativa)	
-		he undersigned, h	aldian a vali	d commissi	CERTI	FICATE OF	SHOP / FI	ELD INSPECTION	ON e Vessel In	enectors	and/or the			
						BEACON A			of	- Present		LYNN		
of	-	EXAS	_and emplo	5				X	3-/(	17		2,111		
	date that lath	pressure vessel p e best of my know	today and h	plef the Ma	on factures has	s constructed	this press	ure vessel part	n accorda	nce with	ASME Coo	de, Sectio	n Vill,	
Ottober	lan 4 Duelani	ng this confiscato	a attachter	nemedat no	r his employer	makes any v	varranty, e	xoressed or Imp	ited , conce	eming us	a bressme	vesserp	316	
desc	ribed in this Ma	inufacturer's Data	Report Fu	rthermore, r	reither the inst	Sector nor his	employer	shall be liable in	any mann	er for an	y personal	injury or i	ргорепу	
dam	age or a loss o	f any kind arising f	rom or con	nected with	tres inspection	//			F2000	1 -		1.		
Date	8-15	12	Signed;	12	91/2	Mar		Commissions:	NI	5/1	02	MI		
100,0	6			1	(Authorized	Inspector)		30		(Nati Boar	d inclendors	ement, Star	le. Province and N	(0.)

1.)	Manufactured	and certified by		PCC KLAD LLC 403 SOUTH LOOP WEST HOUSTON, TEXAS 77054 (Name and address of Manufacturer)										
2.)	Manufactured I	or .			Curt	is Kelly, Inc	c. P.O.	BOX 96097 F	HOUSTO	N, TEX	(AS 772	13		
3.)	Location of ins	talfation			Curt	is Kelly, Inc		BOX 96097 h	HOUSTO	N, TE	(AS 772	13		
4.)	Type:	2	" 300# RF	LWN x 1	2" LONG		£ 89	921-	9-1 thr 9:	-		a .		
4.7	1,100.	(Oescriptio			ce head, tube bu	ndie) N/A		and the same	(Mfg. Serial t	lo.) N/A			(CRN 201	
		(Nat'l Board No.)			(6	Drawing No.)				og brebar	ed by)	i) .	(Year B	
5.)	ASME Code, 8	Section VIII, Div.1		ŒŒ	2010/11 on and Addenda	(date))		(Code Case				Special Ser	N/A vice per UG-120 (	0)
6.)	Shell (a.) N	o. of course (s):		A	-			verall length (ft.				54.0		
	Course	- La Company	Mate Spec./Grad		Thick Nom,	Corr.	Type	ong Joint (Cat. /	A)	Type	A Spot, No	A, b, & c) Eff.	Heat Trea	Time
No.	Diameter, In.	Length (il. & in.)	Specification -			-		_				***		
_				-										
_		****		N/A (b) N/A										
7.)	Heads: (a)	0	Mat'l, Spec. No		pe) (H.T Time 8	Temp.)		. (0)	(	Matil. Spe	c. No., Grada		.T Time & Temp	2.)
	Location (Top,	Thickne	PARTY NAMED IN COLUMN	Crown	adius Knuckie	Elliptical Ratio	Apex Angle	Hemispherical Radius	Flat Diameter		Concave	Тура	Category A Full, Spot, None	Eff.
(a)	Bottom, Ends)	Min.	Corr.	Clomi	M10000	-		-	_	_	_	_		
(b)	_		_				_	4,000		- 244				
If ren	novable, bolts i	ised (describe of	ner fastening	1)				(Mari Sp	N/A ec. No., Gra	le, Size, N	lo.)			
8.)	MAWP	Colomb for	demail)	psi at i	nax.temp.	Gnternal) (ex	demai)	F. Min, des	ign metal t	emp.		Fat		psi.
9.)	Impact test	************		N//		francisco (co		at test tempera	ture of			N/A		. F.
40.1		(indicates yes or no a or comb. Test pr		nent (s) impa	t lested)	N/A			Proof test			N/A	Α	
						-								
-	Nozzies, inspe rpose (inlet,	ection, and safety	valve openi Diameter	ngs: Flange	Mate	erial	Nozz	le Thickness	Reinford	ement		Itached	Local	
Ou	tet, Orain,ect.)	No.	or size	Type cl. 300 two	Nozzia SA350 LF2	Flange	Nom. .97"	OVERLAY	Mate	erial	Nozzie	Flange	(Insp. C	pen.)
-	NKKNOWN			- 300 IMI	-	-		-	-	•	***		<u> </u>	
										4				
12.)	Identification of	of part(s)		Γ							Ι	Γ		
	Nama o	f Part	Quantity	Line No.		Identification	I	Mir's	. Drawing	Γ_	CRN	Nation	al Board No.	Year Built
-						-			_		-			
131	Supports:Skirt		Lugs	_	Legs		Others	)	_		Attached			
45.60	SEV N	(yes or no)	-	(No.)		(No.)	ING CO		escribe)	4			(Where and how	v)
14.)	Remarks:	"NO DESIGN FL	2" 300# RFI	LWN x 12"	ONG, FACE	AND I.D. WI	TH 347 S.	S. 100% P.T. AN	D PMI					
Wee	ertify that the s	latements made i	n this report	are correc	and that all di	ATE OF SHO etails of mate	op / FIELU	OCOMPLIANCE ruction, and work	: vmanship o	f this pro	essure ves	sel part co	onform to	
the A	SME Code for	Pressure Vessels	, Section VI	II, Division	1. 33732			Expires	26 DEC	222				7
U Ce	ertificate of Auth Date	L-30-12	Name		KLAD MANUF	ACTURING	COMPAN			Signe	- (, )	$\mathcal{L}$	6	
	Date	u				Manufacturer	)	IELD INSPECTI	ON			(Re	presentative)	
	I, T	ne undersigned, h	olding a val	d commiss	on issued by ti	he National B	oard of Bo	oller and Pressur	e Vessel Ir	spector	s and/or th	e State or	Province	6
of		EXAS	and empto			BEACON A	2200	NC, CO.	of	20.	201	LYNN	I,MA.	
1	-t-le that to the	pressure vessel p best of my know	today and h	aliat tha M	andachirer ba	s constructed	this pres	sure vessel part	in accorda	nce with	ASME Co	de, Sectio	n Vill,	
Divis	ion 1. By signi ribed in this Ma	ng this certificate nufacturer's Data	neither the I Report, Fu	nspector no rthermore,	r his employer neither the Ins	makes any v pector nor his	varranty e	exonessed of Hito	nea . conc	STEIRGU	ie pressure	Accede N	916	
dam	age or a loss of	any kind arising i	trom or con	nected with	this inspection	01	11							
Date	06-30	-2012	_Signed:	Lo	week	coll	earl	_Commissions:	NB8	826	A-16	of I	85 te, Province and N	10.)
			This form	(E00121) m	(Authorized by be obtained fro	m the Order De	pt, ASME, 2	2 Law Drive, Box 23				POLITETTS, DISC	e, revenue and r	

		e000												-
1.)	Manufactured	and certified by	PCC KLAD LLC 403 SOUTH LOOP WEST HOUSTON, TEXAS 77054 (Name and address of Manufacturer)											
2.)	Manufactured	for .			Curt	is Kelly, In	c. P.O.	BOX 96097 I	HOUSTO	N, TEX	AS 772	13		
3.)	Location of ins	stallation			Curt	is Kelly, In		BOX 96097	HOUSTO	N, TEX	AS 772	13		
4.)	Type:	3	" 300# RF	LWN x 1	2" LONG			(Name and addre	921-7-1					
		(Descriptio	n of vessel pa	d(shell,two-pla	ce head, tube bu	ndle)			(Mig. Senal I				(CRN	Š
		N/A				N/A				N/A			201	-
		(Nat'l Board No.)			(0	(.old gniwark			28,000,000	ing propare	ed by)		(Year B	uii)
5.)	ASME Code,	Section VIII, Div.1			2010/11			2714	STATE OF THE OWNER, TH				N/A	
				(Edit	on and Addenda	(date))		(Code Case	No.)		(		vice per UG-120 (	9
6.)	Shell (a.) N	lo. of course (s):			-		(b) C	iverall length (ft.	& in.):			644		-
	Course	(8)	Mat	erial	Thick	ness	1	ong Joint (Cat. /	A)	Circum	Joint 9Cat.	A, b, & c)	Heat Trea	lment
No.	Diameter, In.	Length (it & in.)	Spec /Gra	de or Type	Nom.	Corr.	Type	Full, Spot, None	EH.	Type	dt, Spot, No	Eff.	Yemp	Time
			_	-		Name .	_		***	d mea		-	_	
+++4							_		2004				_	
-				-	****				-					
													L	
7.)	Heads: (a)		- 1	N/A	STATE OF TAXABLE PARTY.			(b)				N/A		
75.55		0	Matil Spec. No	., Grade or Ty	pe) (H.T Time &	k Temp.)			(	Mattl. Spec	. No., Grade	or Type) (h	LT Time & Temp	2.)
	Location (Top.	Thickne	SS	R	adius	Elliptical	Apax	Hemispherical	Flat		Pressure		Category A	
	Bottom, Ends)	Min.	Сол.	Crown	Knuckle	Ratio	Angle	Radius	D'ameter	Convex	Concave	Тура	Full,Spot,None	Eff.
(a)	_		_	_		-	-			****	-	-	_	
				_							-	_	_	_
(b)	l - bolle	used (describe oth	ar factaniar						N/A					
irren	lovable, bons	used (describe on	ici tasternit	"	-			(Mat'l Sp	ec. No., Grad	ie, Size, N	0.)			
91	MAWP		-	osi at r	nax.temp.	**		F. Min. desi	on metal to	emp.		Fat		psl.
a.)	140-7441	(internal) (e)	dema0	, , , , , , , , , , , , , , , , , , , ,	, and the same of	(stemai) (o)	demai)	• • • • • • • • • • • • • • • • • • • •						
9.)	Impact test	,	e e	NIA	٠.			at test tempera	ture of			N/A		F.
3.)	mpaor test	(indicates yes or no a	nd the compo	nent (s) Impac	t tested)			•		4				
10.1	Hwiro oneu	or comb. Test pr		0.51 (5)		NVA			Proof test			N/A	Α	
10.7	rijato., pilou	, 01 000. 100		***************************************						-				
11.)	Nozzies, inso	ection, and safety	valye openi	ngs;										
	rpose (Inlet,	1	Diameter	Flange	Mate	erial	J Nozz	e Thickness	Reinford	ement	How A	Itached	Locat	ion
	det, Drain,ect.)	No.	orsize	Туре	Nozzie	Flange	Nom.	Corr.	Mate	rial	Nozzle	Flange	(Insp. O	pen.)
	INKNOWN	1	3	cl. 300 lwn	SA350 LF2	400	.81°	OVERLAY	-			-		-
				_			-				_	_		-
<u> </u>										-			do constitution of the	
40.1	Identification	of pad(e)												
12.)	Identification	or part(s)										1		1
1	Name o	d Part	Quantity	Line No.	Mirs.	dentification	No.	Mir's	Drawing		CRN	Nation	al Board No.	Year Buil
-	Ivairie (	AT OIL	decimal				1			I	_		_	
_			244				1							1
	### ### ### ### ### ### ### ### ### ##			-	479		444							
13.1	Supports:Skirt		Lugs		Legs	****	Others		_	R	Attached			
, ,,,		(yes or no)		(No.)		(No.)	_	(0)	ascribe)				(Where and how	)
14.1	Remarks:	NO DESIGN FU	NCTION P	ERFORME	BY KLAD MA	NUFACTUR	ING CO.	.TD."						
- 1./		OVERLAYED (1)	3" 300# RFI	.WN x 12" I	ONG, FACE	ND I.D. WIT	TH 347 S.S	6. 100% P.T. AN	D PMI					
						- months - market			77.00					
_			-		CEPTICIC	ATE OF SHO	DP / FIELD	COMPLIANCE			-			
luca .	weiß, that the	tatements made i	a this remark	are correct	and that all de	talls of mate	rial, constr	uction, and work	manshio o	this pre	ssure vess	sel part co	nform to	
the A	SMF Code for	Pressure Vessels	Section VI	II. Division	1.	Table of Inter-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Medical Indiana Production			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. /	7-
1	ertificate of Auti		• •		33732			Expires	26 DEC	2014		\ _	17/	
1000						AOTHER TOA	COMPAN				(e)		111	
1	Date	6-30-12	Name		KLAD MANUF.			L10.	-	Signed	UT		A CONTRACTOR OF THE PARTY OF TH	The same of the sa
					APA	Manufacturer		ELD INCDECTIO	M			(Réj	presentative)	
	. ~	he undersigned, h	aldina a usti	d commin-t	GERTI	PICATE OF	onuP/FI	ELD INSPECTION	Vessel In	spectors	and/or the	State or	Province	
1									. 400001111	-postero	- IN WEST			
of		EXAS	and emplo	yed by	ONE	BEACON A	MERICA IN	vc. co.	. 01	0	0	LYNN		
have	inspected the	pressure vessel p	art describe	d in this Ma	nufacturer's Da	sta Report or	1	06-	30-	201	2			
and	state that, to th	pressure vessel p e best of my know	ledge and b	elief, the Ma	anufacturer has	constructed	I this press	ure vessel part i	n accordar	ce with /	SME Coo	e, Section	n VIII,	
I Charle	ion ( Du cino	na thie confiicata na	namar ina i	กรกอยสถา หก	rnis emplover	maxes any v	van amv. e	xoressed or imp.	icu , conce	at may be use	Diegonie	ACCOUNT NO	14.5	
desc	ribed in this Ma	enufacturer's Data	Report, Fu	nnemore, i	teiner the Insp	ector nor his	employer	snai de liable lu	any mann	er for any	hereoust	agory or p	roperty	
dam	age or a loss o	f any kind arising f	rom or con	nected Mich	ues inspection	11	~					24_		
Data	:06-30	-2010	Signed:	Ben	oviko	bon.	1	Commissions:	NB 88	26A	-Tea	1798	5	
Date	000		-0-31001	1	Authorized	Inspector	-		(	Nat'l Board	Inclendors	ement Stat	e, Province and N	0.)
L			This form	(E00121) ma			A. ASME 2	Law Drive, Box 23						

Form R-2 Report of Alteration in accordance with provisions of the National Board Inspection Code

(Form "R" Registration no.)

MPC109066-CL0052 (P.O. No., Job No., etc.)

1a. Design performed l	by: SOUTHERN COM	PANY SERVICES, IN	NC.		
42 INVERNESS CENTER (address)		ganization responsible for des BHAM, ALABAMA, 35		(2)	
1b. Construction perfo	rmea by:	RN COMPANY SERV			
42 INVERNESS CENTER		ganization responsible for con BHAM, ALABAMA, 35			
2. Owner of Pressure I	Retaining Item: MIS	SSISSIPPI POWER	COMPANY		
5835 HIGHWAY 493, KE	(1	<sup>name)</sup> ALB, MISSISSIPPI, 3	9573, UNITED STATES	4	
(address)  3. Location of Installat	ion:	WER COMPANY			
5835 HIGHWAY 493, KE	MPER COUNTY, DEKA	ALB, MISSISSIPPI, 3	9573, UNITED STATES		
September 1	PRESSURE VESSEL	Name	of original manufactur	er: CURTIS KELLY, INC	
193	(boiler, pressure vessel, or pip		MS025368-14V	CL0052	2013
5. Identifying nos: 193	(mfg. serial no.)	(National Board No.)	(Jurisdiction No.)	(other)	(year built)
6. NBIC Edition / Add	denda: 2015 EDITION	1	NONE	4	
4	(edition)	ASME BPV SECTI		(addenda) 2010 EDITION / NO /	ADDENDA
Original Code of Cor	nstruction for Item:	(name / section		(edition / addenda)	
Construction Code L	Yeard Core Albamation	ASM	E BPV SECTION VIII DIV. I		TION / NO ADDENDA
Construction Code C	osed for Alteration	renormed.	(name / section / division)	(00	lition / addenda)
7a. Description of Des	ign Scope:			e: 2	
RERATE NEW VESSEL FOR AN EXTERNAL PRI			NITIAL SERVICE. CALCULA	TIONS PERFORMED TO	VERIFY RE-RATING
			*		
7b. Description of Con	nstruction Scope:	☐ Form R -4,	Report Supplementary Shee	is attached	
		SURE TEST MEETS	ASME SECTION VIII DIV. I I	REQUIREMENTS FOR EX	KTERNAL PRESSURE.
		258			
					¥(
		☐ Form R-4.	Report Supplementary Shee	t is attached	
Pressure Test, if appl	ied NONE		MAWP <u>F.V. TO 310</u> P		
8. Replacement Parts.	Attached are Ma completed for the		tial Data Reports or Fo s of this report:	m R-3's properly	
NONE.					
		of Compliance, mfg's, name an	Alder Khina dama)		

Remarks: NONE.

-	
	DESIGN CERTIFICATION
	I, MARTIN B. SIMS  —, certify that to the best of my knowledge and belief the statements in this report are correct and that the Design Change described in this report conforms to the National Board Inspection Code.  National Board "R" Certificate of Authorization No. R-1906  Date 4/19/16  SOUTHERN CO. SVCS., INC. Signed (authorized representative)
-	CERTIFICATE OF DESIGN CHANGE REVIEW
	Inspectors and certificate of competency, where required, issued by the jurisdiction of MISSISSIPPI and employed by ONE CIS INSURANCE of LYNN, MA have reviewed the design change as described in this report and state that to the best of my knowledge and belief such change complies with the applicable requirements of the National Board Inspection Code.  By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or consected with this inspection.  Date 1.20.16 Signed Commissions (National Board and jurisdiction no.)
	CONSTRUCTION CERTIFICATION
١	I, MARTIN B. SIMS, certify that to the best of my knowledge and belief the statements in this report are
	correct and that all material, construction, and workmanship on this Alteration conforms to the National Board Inspection Code.  National Board "R" Certificate of Authorization No.  R-1906  SOUTHERN CO. SVCS., INC.  Signed  (name of alteration organization)  Signed  (authorized representative)
	CERTIFICATE OF INSPECTION
	I,
	(National Board and jurisdiction no.)