## 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 Code Rules, Section VIII, Division 1

	Manufactured ar							(Na	ime and	address	of Manuf										
2.	Manufactured for			s Company				(Name	and ad	dress of	Purchase	er)									
3.	Location of instal	lation	Rohm &	Haas Comp	any Baypo	ort Plan	t 13300	Bay Are	a Blvd	. La Po	orte, Te	xas 77	571								
٠.	(Name and address) CJ-531 A											None									
4.				art (shell, two	le))	(Mfg's serial No.) (CRN)															
	15		Jake Harris & Sons, Inc. 1999  (Drawing prepared by) (Year built)																		
(Nat'l. Bd. No.) (Drawing No.)							(Drawing prepared by) None						None								
5. ASME Code, Section VIII, Div. 1						(4-1-1)			Code Case No.					Special Service per UG-120(d)							
•	Oball (a) No of	************************	One		and Addenda	(date)	. (1	) Overall le	nath (ft 8	& in.):	1'-6"			2,020.00	1.00						
о.	Shell (a) No. of	Course(s).							1		loint (Co	t A)	Circ	um. Joint (Cat.	A B & C)	Hoat Ti	eatment				
Course(s)				Material				kness Corr.	Long. Joint (Cat			Eff.		Full, Spot, Nor			Temp. Time				
1		ength, (ft		Spec./Grade			Nom. 3/16"	1/16"	Type 1*		one 70%		1*	None	70%	None	N/A				
1	1 -/ 3/8	1 -0		SB575 N10276			3/10	1710	Ė												
7.	Heads: (a)	*						(b)		*	Matil Co.	a Na	Crado	or Type) H.T	Tima & Tam	n					
ſ				pec. No., Grade or Type) H.TTime & Tem Radius Elliptic				conical	Hemisr	herical	Flat			to Pressure		Category	A				
	Location (Top, Bottom, Ends)	Min.	Corr.	50		Elliptic Rati		ex Angle		dius	Diameter		Convex	Concave	Type Full, S	pot, None	Eff.				
(a		IVIIII.			Tanzonio Tien												_				
(b)																					
If	removable, bolts	used (desc	ribe other fa	stening)					(A	Aal'l Snor	o. No., Gi	ade Si	e No.	1							
	MAWP (	30 internal)	(exter	nal)	max. temp.	(Indicate	nal)	(external) No	one		design n				°Fat	30	- psi				
10	). Hydro., pneu., o . Nozzles, inspec	or comb. te	st press. –	Hydrotest ( openings:	@ 47	Proo	f test _						Vone								
	Purpose (inlet,	Diame		Flange			Material		No	Nozzle Thickness F			rceme		How Attache						
0	utlet, Drain, etc.)			Туре		ozzle	76	Flange SA105			Corr. 1/16"		aterial erent	Nozzle Welde	d Loose		sp. Open Shell				
-	D.P.	1 2"	CLI	50LAPJNT	LAPJNT SB622 N1027			3A103		3/60	1710	IIII	oront	Worde		P J.					
H	7-22-1-2				_			200													
-																I/A					
12	2. Supports: Skir		No	Lugs _	No	Legs	None	Othe	ers —		None	,	At	tached —		re and ho	w)				
	2010 CO		or no)		(No.)	an cac	(No.)		to the		escribe)	1 none	tratio	n wolde an							
13	3. Remarks: *T	his part	is a rolled	1 & welded	shell with	SB3/3	tap ring	zs werded Welds w	ere LF	tested	in acco	ordanc	e wit	n welds, an h UNF-58.	u wordou	at the r	up mig				
	OD 10 12	-130# 3	A103 AIN																		
,,	Ve certify that the	no etatem	ente made	CERT in this report	IFICATE C	OF SHC	)P/FIEL : all detail	s of mater	al, con	∍⊏ struction	, and w	orkmar	ship c	of this pressu	re vessel p	art confo	rm				
	the ASME Co										75.0		**		2.2						
	Certificate of		ion No.	16,260				Ex	oires	12/15				_ , _ 20	•						
C	Date 3/31/19	99_	Name Ja	ke Harris d	& Sons, Inc		anufactur	or)	<u> </u>	3	Sigr	red (	3.3	(Represen	tative)						
	the undersigne	ما له ما له	volid oo	CE	RTIFICAT	E OF S	SHOP/F	IELD INS	SPECT	TION	sel Inspe	ectors a	nd/or			_T	exas				
	nd employed b		M RE	IIIIIII SSIOII IS	sucu by ino	tutional	Douita of				of	Arl	ngtor	ı, Texas	have	inspect	ed the				
	essure vessel	part desc	ribed in thi	s Manufactu	rer's Data R	eport on		ch 31	1999					est of my kno							
N	Manufacturer ha	sconstruc	ted this pr	essure vess	el part inacc	ordance	with ASN	ME Code, S	ection '	VIII, Divi	sion 1. B	y signii	ng this	certificate ne	ither the In:	spector r	or				
h	is employer ma	kes anv v	arranty, ex	oressed or i	mplied, conc	erning th	pressu	re vessel	oart des	cribed i	n this Ma	anufact	urer's	Data Report.	Furthermo	re, neith	er the				
lı	nspector norhis	employer - 99	shall belia Sjgned	bleinany	nner-for any	perstria	l injury or	prepertyd	amage	ora loss nissions	ofanyk	ndaris	ing fro	morconnecte	TX 13	nspectio	n. 				
L				///	Authorize	armspec	NOIY				TIVALIL	JUNIU II	. O. O.	a side silicini, c	Plato	om 10-988	98				

## 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 Code Rules, Section VIII, Division 1

	Manufactured	and c	ertified by	Jake	Harris & S	ons, Inc.	632 Sou	th 16th				s of Manu	facturer)							
2.	Manufactured	for	Rohn	n & Ha	as Compan	y Bayport	Plant 13	300 Ba	y Area B	llvd. La	Port		77571		2					
3.	Location of ins	tallatio	n R	ohm &	Haas Com	pany Bayp	ort Plan	t 13300					150	571						
4.	Type: Flanged column section								(N	ame and CJ	addres -531			ne						
	(Description of vessel part (shell, two-piece head, tube bundle 266 CJ-531							le))	To		g's seri	al No.) Sons, In	c		(0	CRN)	99			
	(Nat'l.					Orawing No.)		-	Ja			pared by)			_	(Year	- 73900			
5.	ASME Code, S	ection	n VIII, Div	. 1		1998				-50	No	ne		-		None				
2					Edition and Addenda (date)					Co	ode Ca			Special Service per UG-120(d)						
6.	Shell (a) No.	of cou	rse(s):	One	e (1)*			(b	) Overall le	ength (ft &	in.):	10'-0'	,							
Course(s)				Material				Thickness			g. Joint (Ca	1	1	Circum. Joint (Cat. A, B, & C) Heat Treat						
1	Diameter, in. 1'-7 5/8"	_	ith, (ft. & i 10'-0"	n.)	Spec./Grade or Type SB575 N10276			Nom. 3/16"	1/16"	Type		oot, None	Eff. 100%		Full, Spot, None None	70%	Temp.	Time N/A		
1	1 -7 3/8		10 -0	_				3/10	1/10	+1-	Full		10070	1	None	7070	None	IV/A		
Г										4										
7.	Heads: (a)		*	2.					(b)		_*									
Г	1	T-			ec. No., Grade or Type) H.TTime & Tem								1 1		r Type) H.TTir	SAN	.76255			
	Location (Top Bottom, Ends		Thicknown Min.	ess Corr.	Crown	Knuckle	Elliptic Ratio	1	onical ex Angle	Hemispl Rad		Flat	er C	onvex	Concave Ty	- 200	ategory	- 200		
(a)			141111.		0,0,,,,,	Midokio	MILLONIE HAIRO		Arrigio	Huu	Jane			OHIOX	Consure i.y	0., 0., 0	, o., 11011			
(b)									z											
lf r	emovable, bolt	susec	describ	e other fa	istening)					().1	all One	ec. No., Gr	ada Cia	a Na V						
10	MAWP Impact test Hydro., pneu Nozzles, insp		mb. test	(exter	Hydrotest (	-W	(interna (Indicate y Proof	yes or no	(external) No and the cor	one		n. design m		one		°Fat	30	- psi		
	Purpose (inlet,	T	Diamete	<del></del>	Flange			Material		Noz	ozzle Thickness Reinford			cement	Hov	y Attached		ocation		
Οι	ıtlet, Drain, etc.	_	•		Туре		ozzle		Flange		om.	Corr.	20000000	erial	Nozzle	Flang		(Insp. Open)		
_	Packing	2	6"	CL1	50LAPJNT	SB573	5 N1027	6	SA105	3/	16"	1/16"	/16" Inher		Welded	Loose la	ap jt	Shell		
		+				-		-												
			No			2		None				None			Wid	to pads	wld to	shall		
12	. Supports: Sk	rt	(Yes or		Lugs _	(No.)	Legs	(No.)	Othe	rs		Describe)		_ Atta	ched		and ho			
40	. Remarks: _	This			& welded	1000 51	Partial D		ort) with	1 SB57			elded to	the s	shell with ful	l penetra	ation v	velds, &		
13															ed in accord					
to U	the ASME Control of the ASME of Control of the Cont	ode fo Auth	or Press orization	ure Vess No.	in this report	VIII, Division	and that and 1.		of materia	al, const		n, and wo		hip of	this pressure v	<b>&gt;</b>	rt confo	rm		
Ma his	d employed to ssure vesse anufacturer has s employer m	y I part as co akes	IB&N describe nstructed any warr	I RE ed in this d this pre anty, ex	mmission iss Manufacturessure vesse pressed prin	er's Data Re I part in acco	E OF SI lational E port on ordance w	Marc Marc pressure	ELD INS Boiler and h 31 , E Code, So e vessel p	1999 ection VI	e Vess , ar II, Divi ribed i a loss	of nd state the sion 1. By in this Ma sofany kir	Arlin hat, to the signing nufactur	gton, ne bes this co er's D	ne State or Pro Texas t of my knowle ertificate neithe ata Report. Fullor connected w	have i edge and er the Insp rthermore	nspector no, neithe	the or er the		
D	alo >			Gilou	1	(Authorized	Inspect	gr)		Johnnis	310118	(Nat'l B	oard inc	I. endo	orsement, State		n 10-98E			

## 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 Code Rules, Section VIII, Division 1

Manufactured and	d certified by	Jake F	Harris & So	ns, Inc.	532 Sou	th 161	th La Porte	TX 7	7571 address	s of Manu	facturer	)				
2. Manufactured for	Rohn	ı & Haa	s Company	Bayport	Plant 13	3300 I				e, Texas		1				
Location of install	ation R	ohm & l	Haas Comp	any Bayp	ort Plan	nt 133					· · · · · · · · · · · · · · · · · · ·	7571				
E					2			ame and	address	s)				T		
4. IYDO.	ed colum							CJ-531 C None (CRN)								
	Description o 267	of vessel p	art (shell, two-	piece head, 1 CJ-531	lube bund	110))	Ja	80.00	~	ons, In	c.				999	
(Nat'l. Bd				rawing No.)		<u> </u>				pared by)			-	(Year	built)	
5. ASME Code, Sec		1		1998					No	ne				None		
			Edition a	nd Addenda	(date)			C	ode Cas				Special S	ervice per l	JG-120(d)	)
6. Shell (a) No. of o	course(s):	One	(1)				(b) Overall le	ngth (ft	& in.):	1'-6"						
Cou	rse(s)		Materi	al		T	hickness		Long	. Joint (Ca	at. A)	-	ım. Joint (Cat.		-	reatment
	ength, (ft. & i	n.)	Spec./Grade			Non			-	ot, None	Eff.	1	Full, Spot, Non		Temp.	Time
1 1'-7 5/8"	1'-6"		SB575	N10276		3/16	5" 1/16"	1*	N	lone	70%	1*	None	70%	None	N/A
								-				1-1		-		<b></b>
7. Hooder (c)	*						(b)	,	*		1			1		
7. Heads: (a)		ıt'l Spec. N	lo., Grade or T	ype) H.TTi	me & Terr	np.	(0)	Y		(Mat'l Spe	ec. No.,	Grade o	or Type) H.T	Γime & Ten	ıp.	
Location (Top,	Thickn	ess	Radius		Elliptic	cal	Conical	Hemis	oherical Flat		-		o Pressure		Category	
Bottom, Ends)	· Min.	Corr.	Crown	Knuckle	Ratio	io i	Apex Angle	Ra	dius	Diame	er (	Convex	Concave	Type Full, S	pot, None	e Eff.
(a)							-				-					
(b)															**********	
If removable, bolts u	sea (describ 30	e otner tas	stening) .		400			(1)	Mat'l Spe	c. No., G	ade ,Si	ze, No.)	15	<sup>o</sup> Fat	30	
9. Impact test	ternal)	(extern		max. temp.	(intern	yes or	(external) No no and the co	ne mponen	l(s) impa	ct tested)	1	None				
11. Nozzles, inspect			penings:		, , , , ,											
Purpose (inlet,	Diamete	r	Flange			Materi	al	No	zzle Thi			rcemen		low Attache		ocation
Outlet, Drain, etc.)		_	Туре		ozzle	16	Flange SA105			Corr. 1/16"		aterial erent	Nozzle Welded	i Loose		sp. Oper Shell
D.P. Inlet	1 2"		50LAPJNT 50LAPJNT	_	2 N1027 9 N1027		SA105					erent	Welder			Shell
mict	1 3	CDI	JOLIAI JIVI	OD01	7 1(1027	-	011100		-	+					13	
	+						- =									
12. Supports: Skirt	N	0	Lugs —	No	Legs	No	ne Othe	rs —		None		Atta	ached		I/A	
13.4	(Yes o			(No.)		(No			•	Describe)				170011111111111111111111111111111111111	re and ho	m/90 <b>4</b> 0
13. Remarks: *T}	is part is	a rolled	& welded	shell with	SB575	lap ri	ngs welded	to the	shell v	with ful	l pene	tration	welds, and	d welded	at the la	ap ring
OD to 12"-	150# SA	105 ANS	SI slip on b	ody flange	es on ea	ich en	d. Welds w	ere LF	tested	l in acco	ordanc	e with	UNF-58.			
We certify that the to the ASME Cod U Certificate of Al Date 3/31/199	e for Press uthorization	ure Vess 1 No.	n this report	are correct VIII, Divisio	and that n 1.	P/FIE all det		al, con	CE struction 12/15	n, and wo	22.00	ship of	this pressure		art confo	orm
						nufact		1		-		9	(Represent	ative)		
I, the undersigned and employed by essure vessel p	IB&N	1 RE	nmission iss	ued by the I	National I	Board	/FIELD INS of Boiler and arch 31	Pressi	ire Ves	_ of	Arli	ngton,	he State or F Texas st of my kno	have	inspect	
Manufacturer has	constructe es any war	d this pre	ssure vessel pressed or im	part in acco	ordance v erning the	with AS	SME Code, S sure vessel p	ection \	VIII, Divi cribed i	sion 1. By n this Ma	y signir ınufactı	g this c urer's D	ertificate nei ata Report. I	her the In: Furthermo	spector n re, neithe	or er the
Inspector nor his e	mployersh 99_	all beliab Signed	teinany/nan	ner for any (Authorize	1	1/	orpropertyda		ora loss nissions	NB	107	80 F	orsement, Si	X 138	<u> </u>	
			1	MULIONZE	d Illoher	7				THALLE	Juiu II	UI. UIIU	c. comon, o		om 10-98E	