FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1



1. N	lanufactured ar			TERMON (4237	erias - 4172		==0=1							
	anulacidi ed ai	nd certified	oy API	KETEMA	A INC. 2	2300 W.	Marsna	II Drive	(Name	Prair	ie, TX ress of M	/5051 lanufacti	urer)			-			
2. 1	anufactured for	THE	RMAL	& MECI	HANICA	L EQUI	PMENT	CORP	ORAT	ION 2		AIRT	EX H	OUST	TON T	X 7	7090)	
3. l	ocation of insta	allation <u>I</u>	INKN	OWN		- 2499				/Non	ne and a	(droce)							
	91 4	2	-	aras		ED OH E	D	TT0013	0770	(Nan	ie and at	- 1	D001	2070		1	1506	0	1998
		rt., or spher	e) (Ta	MULSION ink, separato	r, jkt. vess			U98139 (Mfg's se		(C	RN)	OV	D981: (Dra	wing No	0.)		1526 řl. Bd.	-	Year built)
5. /	SME Code, Se	ection VIII, I	Div. 1	995, A97				11.074.000	4513.4	-			-					. 110 100	\(\d\)
	s 6 - 11 incl. to			Editio	on and Add	lenda (date kets of jack) eted vess			exchang					Special Sper vesse		ce per	r UG-120)(a)
6. S	hell (a) No. of	course(s):	2					(b) Overa	all length	(ft & in.)): 18'	7.5							
No.	Cou	irse(s)			Material	DRIVER	Thi	ckness	Lo	ong Join	t (Cat. A)		Circu	ım, Join	nt (Cat. A	A, B 8	& C)	Heat T	reatment
No.	Diameter, in.	Length (ft	& in.)	Spec.	Grade or T	уре	Nom.	Corr.	Туре	Full, Sp	ot, None	Eff.	Туре	Full, S	pot, Non	e E	ff.	Temp.	Time
1	16"	7' 5	.25"		SA106B		3/8"	1/8"	S	No	one	85%	1	S	pot	10	00%	37157	
2	16"		25"		SA106B		3/8"	1/8"	S	No	one	85%	1	S	pot	10	00%		
	10	1	23		37110013	12.50	1.070	1,0					_	11.1					
Ξ.		-	-						/b)			-1-				-15000	- T		
7. F	eads: (a) _	(M	at'l Spec	. No., Grade	or Type) H	.TTime &	Temp		(b) _		(Mat'l	Spec. N	o., Gra	de or Ty	уре) Н.Т.	Tim	e & Te	emp	
_	T		-		adius			laal	Hemisp	herical	Flat	i s	Side to	Pressur	re			Catego	v A
	Location (Top, Bottom, Ends)		kness			Elliptical		13770	Rac		Diamete		nvex	Cond		vne	Full 9	Spot, No	
-	Solion, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Apex	Angle	nac	ilus		- 00	IIVOX	CONC	cavo	ypo	i dii, c	opot, 140	
(a)																	1 1110		-
(b)																			
8. 7	novable, bolts ype of jacket f bar, give dim		-11-3-01-3	r fastening)						closure	Spec. No		(Descrit	oe as og	gee & w	If b	olted,	describ	e or sketch
8. 7	ype of jacket f bar, give dim MAWP (ir	ensions _ 200 nternal)	(exte	15 ps		тр. 4	-00 ernal)	40 (extern	0	closure			(Descrit	oe as og	gee & we	If b			
8. T	ype of jacket f bar, give dim MAWP (ir	ensions _	(exte	15 ps		emp. 4 (inte	ernal)	40 (extern	0nal)	oF 1	Min. desi	gn meta	(Descrit	oe as og		If b	olted,	describ	
9. 1	ype of jacket f bar, give dim MAWP (ir mpact test	ensions	(exte	nnal)	i at max. te	emp. 4 (inte	ernal)	40	0nal)	oF 1	Min. desi	gn meta	(Descrit	oe as og		If b	olted,	describ	
9. I 10.	ype of jacket f bar, give dim MAWP (ir	ensions	(extended (exten	nal) psi	i at max. te	emp. 4 (inte	ernal)	40 (extern	0nal)	oF 1	Min. desi	gn meta	(Descrit	oe as og		If b	olted,	describ	
9. I 10.	ype of jacket f bar, give dim AAWP (ir mpact test Hydro., pneu., o	ensions	(extended (exten	hydroupe sections	i at max. te	emp. 4 (inte	ate yes or	40 (extern	0 nal)	oF 1	Min. desi	gn meta	(Descrit	oe as og		If b	oolted,	describ	0 psi.
9. I 10.	ype of jacket f bar, give dim MAWP (ir mpact test Hydro., pneu., of is 12 and 13 to Fubesheet:	ensions	(extended for the control of the con	HYDRO). 300	emp. 4 (inte	ate yes or roof test	40 (extern	0nal)	oF I	Vin. desi	gn meta	(Descrit	oe as og	-20	If b	oolted,	20 Welde	0 psi.
9. I 10.	f bar, give dim MAWP (ir mpact test Hydro., pneu., c is 12 and 13 to Fubesheet:	ensions	(exter S66(a) at press. ted for t A-5160 Mat'l Sp	HYDRO ube sections Gr.70 ec. No)). 300 Dia., i	(Indice Pr	ate yes or roof test 5'' to press.)	400 (extern	0nal)	oF Incoment(s)	Min. desi	gn meta	(Descrit	oe as og	-20	If b	hment	20 Welder	0 psi.
8. 1 9. 1 10.	ype of jacket f bar, give dim fAWP (ir mpact test Hydro., pneu., or s 12 and 13 to Fubesheet:	ensions	(external (exter	HYDRO). 300 Dia., i	(Indicate Property 20.37)	ate yes or roof test	400 (extern	0	opent(s)	Vin. desi	gn meta	(Descrit	w., in.	-20	If b	hment	20 Welder (welded	0 psi.
8. 1 9. 1 10.	f bar, give dim fAWP (ir mpact test Hydro., pneu., o is 12 and 13 to rubesheet: Floating (Mat) ubes:	ensions	(extended for the state of the	HYDRO ube sections 3r.70 ec. No)). 300 Dia., i	emp. 4 (interest) (Indicate Property 20.37 n. (subject)	ate yes or roof test 5'' to press.)	400 (extern	0nal) ne compo	oF Incorporate (s)	Min. designment to the control of th	gn meta	1/8 orr. Allo	u w., in.	-20	If b	hment	20 Welder (welder	0 psi.
9. I 10. 11. item 12. 13.7	ype of jacket f bar, give dim MAWP (ir mpact test Hydro., pneu., of is 12 and 13 to rubesheet: Floating (Mat' tubes: Mat' 8	ensions	(extended for the standard standard for the standard standard for the standard standard for the standard for	HYDRO ube sections Gr.70 ec. No) Dia	Dia., i	(Indicate Property 20.37 n. (subject 9.4"	ate yes or roof test 5'' to press.)	400 (extern	0	opent(s) 875'' n. thk., i	Min. designment to the control of th	gn meta	(Descrit	u w., in.	-20	If b	hment	20 Welder (welded	0 psi.
9. I 10. 11. item 12. 13.7	f bar, give dim fAWP (ir mpact test Hydro., pneu., o is 12 and 13 to rubesheet: Floating (Mat) ubes:	ensions 200 Internal) NO UCS or comb. tests to be completed by the complete SA Stationary (SAA Spec. No., 6 to be comp	(external (exter	HYDRO ube sections Gr.70 ec. No) Dia	Dia., i	(Indicate Property 20.37 n. (subject 9.4"	ate yes or roof test 5'' to press.)	400 (extern	0 nal) ne compos Non 16 m. thk., eat exch	onent(s) .875'' n. thk., i GA. in. or ga	impact to	gn meta	1/8 orr. Allo	u w., in.	-20	If b	hment	20 Welder (welder	0 psi.
9. I 10. 11. item 12. 13.7	ype of jacket f bar, give dim f bar, give dim f bar, give dim f bar, give dim floating (ir flo	ensions	(external (exter	HYDRO ube sections Gr.70 ec. No) Dia	Dia., i	(Indicate Property 20.37 n. (subject 9.4"	ate yes or roof test 5'' to press.)	40 (extern	0 nal) ne composition of the com	onent(s) 875'' n. thk., i GA. in. or ga	impact to	gn meta ested) Co w., in.	1/8 orr. Allo Numb	" w., in.	-20	If b	hhment S	Welder (welded	d d or bolted)
9. I 10. 11. item 12. 13.1 Item 14.	rype of jacket f bar, give dim f bar, give dim f bar, give dim f bar, give dim floating (ir floating (ir floating (Mat') subes: Mat'l subes: Shell (a) No. o	ensions 200 Internal) NO UCS or comb. tests be completed by the complete SA Stationary (If Spec. No., (to be complete course(s):	(external structure (external structure) (external	HYDRO ube sections Gr.70 ec. No) Dia., Type inner chami	Dia., i	(Indicated Programme) 4 (Indicated Programme) 20.37 (Indicated Programme) 20.37 (Indicated Programme) 20.374" (Indicated Progr	ate yes or roof test 5'' to press.) Nom. th	40 (extern	0 nal) ne compos 1. Non 16 m. thk., eat exch	oF ! onent(s) .875'' n. thk., i	impact to Corr. Allo uge ing Joint	gn meta ested) Co w., in. 7.25" (Cat. A)	1/8 orr. Allo Numb	w., in.	-20	If b oF	hhment S	Welder (welded the Straight (Straight C) Hear	d d or bolted)
9. I 10. 11. item 12. 13.7	ype of jacket f bar, give dim MAWP (ir mpact test Hydro., pneu., or is 12 and 13 to Tubesheet: Floating (Mat' tubes: Mat'l S is 14 - 18 incl. Shell (a) No. or Coor Diameter, in.	ensions 200 nternal) NO UCS or comb. tes be comple SA Stationary (If Spec. No., (to be comp f course(s): urse(s) Length (ft.	(extended for the standard for the stand	HYDRO ube sections Gr.70 ec. No) Dia., Type inner cham	Dia., i bers of jack	(Indicated Programme) 4 (Indicated Programme) 20.37 (Indicated Programme) 20.37 (Indicated Programme) 20.374" (Indicated Progr	ate yes or roof test 5'' to press.) Nom. th	4() (extern	0 nal) ne composition of the com	onent(s) .875'' n. thk., i or ga angers. n (ft & in.	impact to n. Corr. Allo uge ong Joint Full, Spo	gn meta ested) Co w., in. 7.25" (Cat. A) ot, None	1/8 orr. Allo Numb	w., in.	-20	If b OF	hhment hment S Type	Welder (welded the Straight (Straight C) Hearth Territory	d d or bolted)
9. I 10. 11. item 12. 13.1 Item 14.	rype of jacket f bar, give dim f bar, give dim f bar, give dim f bar, give dim floating (ir floating (ir floating (Mat') subes: Mat'l subes: Shell (a) No. o	ensions 200 Internal) NO UCS or comb. tests to be comple Scale Stationary (I Spec. No., (to be completed to	(extended for the standard for the stand	HYDRO ube sections Gr.70 ec. No) Dia Type inner cham	Dia., i Dia., i Material	(Indicated Property 20.37 n. (subject Property 20.5) in keted vesse	ate yes or roof test 5'' to press.) Nom. th	40 (extern	0 nal) 1. Non 16 m. thk., eat exch all length ess Corr. 1/8"	onent(s) 875'' n. thk., i GA. in. or ga angers. n (ft & in.	impact to n. Corr. Allo uge ong Joint Full, Spo	gn meta ested) Co w., in. 7.25'' (Cat. A) ot, None	1/8 orr. Allo Numb Eff. 85%	w., in.	-20	If b oF	hhment SType	Welder (welded the Caraight (Straight Co) Heart (Co) He	d d or bolted)
9. I 10. 11. item 12. 13.1 Item 14.	ype of jacket f bar, give dim MAWP (ir mpact test Hydro., pneu., or is 12 and 13 to Tubesheet: Floating (Mat' tubes: Mat'l S is 14 - 18 incl. Shell (a) No. or Coor Diameter, in.	ensions 200 nternal) NO UCS or comb. tes be comple SA Stationary (If Spec. No., (to be comp f course(s): urse(s) Length (ft.	(extended for the standard for the stand	HYDRO ube sections Gr.70 ec. No) Dia Type inner cham	Dia., i bers of jack	(Indicated Property 20.37 n. (subject Property 20.5) in keted vesse	ate yes or roof test 5'' to press.) Nom. th	4() (extern	0 nal) ne composition of the com	onent(s) .875'' n. thk., i or ga angers. n (ft & in.	impact to n. Corr. Allo uge ong Joint Full, Spo	gn meta ested) Co w., in. 7.25" (Cat. A) ot, None	1/8 orr. Allo Numb	w., in.	-20	If b oF	hhment SType	Welder (welded the Straight (Straight C) Hearth Territory	d d or bolted)
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9. 1 10. 11. iten 12. 13.7 Iten 14.	rype of jacket f bar, give dim flavor rupact test Hydro., pneu., o s 12 and 13 to Floating (Mat' ubes: Mat'l S is 14 - 18 incl. Shell (a) No. o Coo Diameter, in. 16'' 16''	ensions 200 Internal) NO UCS or comb. tests to be completed SAS Stationary (If Spec. No., Company (If to be completed to be	(extended for the standard for the stand	HYDRO ube sections Gr.70 ec. No) Dia., Type inner cham	Dia., i Dia., i Material J./Grade or SA106B	emp. 4 (interpretation) (Indication) (Indica	ate yes or roof test 5'' to press.) Nom. th	40 (extern	0 nal) 1. Non 16 m. thk., eat exch all length ess Corr. 1/8"	onent(s) 875'' n. thk., i GA. in. or ga angers. n (ft & in.	impact to n. Corr. Allo uge ong Joint Full, Spo No	gn meta ested) Co w., in. 7.25** (Cat. A) ot, None one	1/8 orr. Allo 191 Numb	w., in.	-20 , Joint (C Full, Spo	If b	hhment hment S Type	Welder (welded to Straight (Straight C) Heart (00 00 00 00 00 00 00 00 00 00 00 00 00	d d or bolted)
9. 1 10. 11. iten 12. 13.7 Iten 14.	rype of jacket f bar, give dim flavor rupact test Hydro., pneu., o s 12 and 13 to Floating (Mat' ubes: Mat'l s is 14 - 18 incl. Shell (a) No. o Coo Diameter, in. 16'' 16'' Heads: (a)	ensions 200 Internal) NO UCS or comb. tests be completed by the complete SA: Stationary (I Spec. No., Control to be complete course(s): Length (ft. 0' 3.62 SA-516C	(extended for the state of the	HYDRO ube sections Gr.70 ec. No) Dia Type inner cham	Dia., i Dia., i Material C./Grade or SA106B SA106B	emp. 4 (interpretation) (Indication) (Indica	ate yes or roof test 5'' to press.) Nom. th	40 (extern	1. Non 16 m. thk., i eat exch all length ess Corr. 1/8" 1/8"	onent(s) 875'' n. thk., i GA. in. or ga angers. n (ft & in.	impact to n. Corr. Allo uge ong Joint Full, Spo No 16Gr.70 (Mat'l	gn meta ested) Co w., in. 7.25** (Cat. A) ot, None one one	1/8 orr. Allo 191 Numb Eff. 85% 85%	w., in.	-20 , Joint (C Full, Spo Spo Spo	If b	hhment hment S Type	Welder (welded to Straight (Straight C) Heart (00 00 00 00 00 00 00 00 00 00 00 00 00	d d d or bolted) t t or U) t Treatment op. Time
9. 1 10. 11. iten 12. 13.7 Iten 14.	rype of jacket f bar, give dim flavor rupact test rupact test rupact test Floating (Mat' rupact fl	ensions 200 Internal) NO UCS or comb. tests to be comple S. Stationary (If Spec. No., (It obe complete course(s): Urse(s) Length (ft. 0' 3.62 SA-5160 (M) Thic	(exteres (ex	HYDRO ube sections Gr.70 ec. No) Dla., Type inner cham Spec	Dia., i Dia., i Material J./Grade or SA106B SA106B or Type) H Radius	(Indicated vesses) 3/4" O.D., in. (seted vesses) Type	ate yes or roof test 5'' to press.) Nom. th	40 (extern	1. Non 16 m. thk., eat exch all length ess Corr. 1/8" 1/8"	onent(s) 875'' n. thk., i GA. in. or ga angers. i (ft & in. Type S S SA-5	impact to impact	gn meta ested) Co w., in. (Cat. A) ot, None one one) Spec. N	1/8 orr. Allo 191 Numb Eff. 85% o., Gra	w., in. Circum Type I 1 1 de or Ty de to Pr	-20 A, Joint (C) Full, Spo Spo Spo Spo ype) H.T ressure	Attack Attack Attack Oat. A	hhment hment S Type	Welder (welded to Straight (Straight Tem 00 00 00 00 00 00 00 00 00 00 00 00 00	d d l or bolted) t treatment op. Time
9. 1 10. 11. iten 12. No. 1 2	rype of jacket f bar, give dim floating (mat) gis 12 and 13 to Floating (Mat) ubes: Mat'l 3 as 14 - 18 incl. Shell (a) No. o Coo Diameter, in. 16'' 16'' Heads: (a) Location (Top, Bottom, Ends)	ensions 200 Internal) NO UCS or comb. tests be completed by the complete SA. Stationary (I Spec. No., Complete Course(s): Urse(s) Length (ft. 0' 3.62 SA-516C (M) Thick Min.	(exteres (ex	HYDRO ube sections Gr.70 ec. No) Dla., Type inner cham Spec	Dia., i Dia., i Material J./Grade or SA106B SA106B or Type) H Radius	omp. 4 (interpretation of the content of the conten	ate yes or roof test 5'' to press.) Nom. th els or char 1 3 3 Temp Illiptical Ratio	40 (extern	1. Non 16 m. thk., eat exch all length ess Corr. 1/8" 1/8"	onent(s) 875'' n. thk., i GA. in. or ga angers. n (ft & in.	impact to impact	gn meta ested) Co w., in. 7.25** (Cat. A) ot, None one one	1/8 orr. Allo 191 Numb Eff. 85% 85%	w., in. Circum Type I 1 1 de or Ty de to Pr exercises Co	-20 A, Joint (C) Full, Spo	Attack Attack Attack Attack Attack Attack Attack Typ	hhment hment S Type	Welder (welded to Straight (Straight Ten 00 00 00 00 00 00 00 00 00 00 00 00 00	d d l or bolted) t treatment op. Time
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16. MAWP(i	75 ntern		0 psi at (external)	max. temp. 400 (internal)	N/A (external)	%F 1	Min. design	metal temp2	0 °Fa	t <u>75</u>	psi.
17. Impact test N	Ю,	UCS66(a).					20			
			oress. HYDRO. 13	YET	or no and the com	ponent(s)	impact test	ed)			
	ection		ety valve openings:								
Purpose (inlet,	page 1	Diameter	Flange	Mater		Nozzle	Thickness	Reinforcement	How A	ttached	Location
Outlet, Drain, etc.)			Туре	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Flange	(Insp.Open)
TUBE IN/OUT		8"	CL150WN	SA106Gr.B SMLS	SA105	.322''	1/8"		Welded	Welded	
SHELL IN.	1	8X6	CL150WN	SA106Gr.B SMLS	SA105	.322''	1/8"		Welded	Welded	
SHELL OUT	1	2"	CL150WN	SA106Gr.B SMLS	SA105	.344''	1/8"		Welded	Welded	
SHELL V/D	2	3/4"	SCCP	SA105	A RESERVED	6000#	1/8"		Welded		
							1				
	_		***************************************								
). Supports: Ski	l	No	Lugs	Legs	Other	9	BRACK	ETS		Side We	elded
. Сорроно.	-	(Yes or N			(No.)		(Describ		ached	(Where and	
(List the name	of pa	art, item nu	umber, mfg's. name a	ified and signed by Comm and identifying number) Γ, ITEM # 6, PACIF					ems of the re	port:	
2. Remarks: TY	PE:	BEM		SIZE: 15-B	3-192				2110011-2		
SA 516-70)	20.375"	OD X 2.5"	THK.							
						415		- 131			
the ASME Code U Certificate of Date 8-24	for Auth	Pressure orization	Vessels, Section VII No. 12,8 Name API KET	81 FEMA INC. (Manufac	cturer)	Expires	7/2	Signed Way	, 19 Nen E (Represer	99 Patte	nson
nd employed by	HOIC			SURANCE COMPA		Vesseilii	The second second	of DALLAS.		have ins	pooted
Manufacturer has imployer makes a nor his employer atte 9 - 1 - 4	any v	structed the varranty, e. I be liable	xpressed or implied in any manner for an med \(\)	n accordance with ASME concerning the pressure ny personal injury or prop authorized Inspector)	Code, Section VI vessel described perty damage or a	II, Division this Ma loss of an ommission	n 1.By sign nufacturer ny kind arisi ons (Nat	s Data Report Fur ing from or connect TS 72.72 I'l Board incl. endor	neither the Inthermore, neithermore, neithed with this	ispector nor lither the Insp inspection.	his ector
			this report are corre	ct and that the field assen	mbly construction of	of all parts	of this vess	sel conforms with the	ne requiremen	nts of ASME	
ode, Section VII					120.00				220		
Certificate of A	uthor	ization No).		Expires				, 19		
Date		Name	e	(Assembler)		Sign	ed	(Represer	ntative)		
			С	ERTIFICATE OF	FIELD ASSE	MBLY	INSPEC				19.0
the undersigned and employed by	l, hol	ding a vali	d commission issued	d by The National Board	of Boiler and Pres	sure Vess	el Inspecto	rs and the State or	Province of	_	7.0
	ie sta	atements i	n this Manufacturer's	s Data Report with the de	escribed pressure	vessel and		parts referred to a	s data items		
				cluded in the certificate of						wledge	
nd belief, the Ma	nufa	cturer has		sembled this pressure ve	하다 하고 아픈 하는 다시 아름다면 하는데 하는데 나를 하는데 하다.						1
as inspected and opressed or imp	d sub ied,	ojected to a concernin	a hydrostatic test of g the pressure vess		y signing this cert facturer's Data Re	ificate nei	ther the Ins hermore, n	pector nor his empetion	oloyer makes	any warrant	
ate		Signed			Commiss	sions					
		_ Olgi lou	(Au	uthorized Inspector)	Commis		Nat'l Board	l incl. endorsemen	t. State. Prov	ince and No.	3

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

											100, 0	0000011	V 1111, 1211110	1011 1				
1. M	anufactured	and cert	ified by	Pa	cific Be								lifornia, U	SA 90	0280			
2. M	lanufactured	for			API	KETEMA 2	300 W	ESTM	4RSHA	of Manufa	GRAN	r) D PR4	IRIIE, TX	75051				
3. Lo	cation of Ins	tallation							UN	of Purcha	aser)							
				RELOWS	EVDANE		TIME		nd addi	100000000000000000000000000000000000000		:	3521 & 352	2			NONE	
		(Descri	otion of ve	essel part (s	hell, two-	-piece head	tube b	undle)				(Mfg's	serial No.	.)			(CRN)	
		/Nati	DNE Bd No V		B8	8869 REVI	SION)		* PA			MS CORF		ON		1998	
5 A	SME Code,											rawing i	prepared b	y)			ear Buit	t)
0.71	JIII. 0000,	Jection 1	VIII, DIV. 1		Editi	on and Add	enda (d	late)			Code	Case N	o. S	pecial S	ervic	e per UG	120 (d)	
6. St	nell: (a) No. o				3			_ (b)	Overa	ll length	(ft & in	.):		0'-	9 1/2	2"	,20 (d)	7
No		ourse(s)		Ma	aterial	Thic				nt (Cat. A		Circun	n, Joint (Ca	t. A, B 8	k C)	Heat Tr	eatment	
	Diameter, in			- Style - 4 Co.							100-27-2		Full, Spot, N		Eff.	Temp.	Time	_
1	16" OD		2 1/4"		06 B	.375	.125	S		XE	85	6	NOVE		45	NOVE	NON	Ξ
2	16" ID		'-5"		0 T304	.060	0	1		NE_	100					NONE	NON	Ξ
3	16" OD	0	2 1/4"		06-B	.375	.,125	S	NC.	NE _	85	6	NONE		45	NONE	NONE	Ξ
7. He	eads: (a)	(Mat'l S	pec. No.	Grade or Ty	VDE) HT	Time & T	emn		(b)	/Ms	t'l Sne	o No	NC Grade or T	XE	Ψ.	Time 9 T		
L	ocation (Top		kness	Radius		tical Con		Hemisr	herical				Pressure	ype) n.		tegory A	emp.	
the latest	ottom, Ends		and the same of th			atio Apex A		Rac		Diamet	-	onvex	All the second	Type			ne Ff	f
(a)	NONE													1.750	1	, 0001, 110	7110	-
(b)											1	100			1		_	
If ren	novable, bolt	s used (d	describe o	other fasten	ing)						NON	F						لـــ
8. MA	MD 200	&FV	200			400				(Mat'l Spe	c. No.,	Grade, s						-
O. IVIA		ernal)	(extern	al) psi at r	nax. tem	p. 400 (intern	all	Al (exte	mal)	°F M	in. des	ign met	al temp	-20_°F	at .	200	psi.	
9. Imp	act test	.52 ::::::::::::::::::::::::::::::::::::	20000000	201 5) 	1	VONE-EXE	MPTP			APH UC	S-66A	& UHA	-51					
						(Indicate ye	s or no	and th	e comp	onent(s)	impa	t teste	1)					-
	dro., pneu.,				B)	YOTHERS			Pro	of test _			7	NOVE				
11. NO	zzles, inspec	tion, and	safety v	alve openin	gs:													
	ose (Inlet, Drain, etc.)		Diameter or Size	Flange Type	Nozz	Material le Flai	nge	Nozzl	e Thick	ness orr.		rcemer terial	How At			Location (Insp. Op		
	NONE													· idingo	1	(mop. op	<u> </u>	1
									_	-					+-			+
								 							+			+
								L					\perp					J
2. Sup	ports: Skirt	(Vec	or No)	Lugs		Legs _			Others		ME		Attached _			DNE		_,,
13. Re	marks * 5			U-4 SUP	(No.) PLEMEN	TARY SHE	-T (No.	.)	+1	(D)	escribe))		(V	Vhere	and How	1)	
				<u> </u>		in i o L												_
					CER	TIFICATE	OF SH	IOP/F	IELD	COMPL	IANC	F						
We ce	ertify that the	stateme	nts made	in this repo	rt are co	rrect and tha	at all de	tails of	materia	al, constr	uction	and wo	orkmanship	of this	press	ure vesse	el	
	onform to the				essels, S							i						
Date:	tificate of Au	norizatio	on No/		·lone.	Ex	pires _1			`~m	, 1	9	Signed:	212	0	010	_	
Date.	400	0		'	Name: _	V			lows (Signed: C	-	epres	sentative)	1	
		2			CERT	IFICATE (OF SH	OP/FI	ELD I	NSPEC	T!ON		114.393					1
, the u	ndersigned,	holding	a valid co	mmission is	sued by	The Nationa	al Board	of Bo	ler and				ectors and	the Stat	te or I	Province of	of	
VAL	F spected the	and emp	oloyed by	LIV. of Coal	Dational S	ialety & Healt	h-Pres	or no Ve	2 922		- 2	_ of (alifornia					
he be	st of my know	vledge a	nd belief,	the Manufa	acturer ha	as construct	ed this	pressu	re vess	el part in	accor	dance	, 19 <u>9 8</u> with ASME	Code S	Section	n VIII		
DIMISIO	n 1. By signi	ng this c	ertificate	neither the l	Inspector	nor his emi	olover n	nakes	anv wa	rranty ex	oress	ed or in	polied cond	emina t	the no	PESILIPA VA	essel	
njury o	scribed in the property da	mage o	racturer's	Data Repo	rt. Furthe rising fro	more, neith	ted with	inspect	or nor	ņis empl	oyer st	nall be I	able in any	manne	r for a	any perso	nal	
				-	111				Į.		1	,	2 26.					
Date _	7-22-	78	Sign	ned	O Auth	orized Inspe	ctor\		Cr	ions _	John D		234	t C:	-1		- 111	
				,	(Auth	urzeu inspe	cior)			्रा ऽच्चाल्यः	vati Bo	pard inc	l. endorsen	nent, St	ate, F	rovince a	ind No.)	1

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1



()	*	by Pacific Bellows Corp. 5251 Tweedy Blvd., South Gate, California, USA 90280 (Name and address of Manufacturer)									
. Manufactured for		APIKETEMA 2300 WEST	MARSHALL DR.	GRAND PRAIRIE, TX 75051							
		(Name and addre									
Location of installation	1		UNKNOWN								
		(Name and		•							
. Type	JINKNOWN	BELLOWS EXPANS		3521 8	3522						
(Horiz.	, vert. or sphere)	(Tank, separator, he			serial No.)						
<u> </u>	NONE	BB 8869 R	EMSION 0	NONE	1998						
	(CRN)	(Drawin	The same of the sa	(Nat'l. Bd. No.)	(Year built						
Data Report Item Number			Remarks								
6	VESSEL	DESIGN CALCULATION	O DV OTUEDO								
6		DESIGN CALCULATION									
	END BAN	DS. SA 240 1304 X 1/8	U CORROSIO	N ALLOWANCE FILLET	WELD						
	EOD VESS	CEL NO. 01/0 00400704	10 4 0 0								
		SEL NO: OVD 981397B4 MANUFACTURED BY: /									
	VLOOLL	WANDFACTURED BY.	API KETEMA								
	FLASTIC :	SPRING RATE: 11562.9	5 #/ INCHES								
		LE AXIAL MOVEMENT:		CHES							
		LE LATERAL MOVEME									
		E ANGULAR MOVEMEN									
		E: 2000 CYCLES									
	11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.										
	SERVICE C	CONDITIONS OF EXPAN	SION JOINT LIM	NITED TO NON - LETHAL							
				U-2A PARTIAL DATA RE	PORT.						
	AND TO TH	IOSE STATED ABOVE IN	THIS U-4 SUP	PLEMENTARY SHEET.							
				IT IS FOR THE ABSORBTI	ON						
	OF AXIAL,	LATERAL OR ANGULAR	NON - CURREN	IT MOVEMENT.							
	MANUFACT	URED IN ACCORDANCE	WITH ASME S	ECTION VIII, DIVISION	1						
		ON 1996 ADDENDA PI									
				DLLING DESIGN REQUIRE	MENT.						
	NO OTHER	LOADINGS ARE APPLIC	ABLE.								
rtificate of Authorizati		No. 7167	Expires 12	2/31/2000 19							
te <i>7/22/98</i> Na	ime	Pacific Bellows Corp.		ned Rw Olso	\sim						
te 7/22/98 Na		(Manufacturer)	or ⇔ion	G-1230 (Represen	tative)						
/ /	(Authoriz	zed Inspector)	The state of the s	bill. Board incl. endorsement, Stat	e Province and Nh						