# NON DISCRETIONARY /00 70 |

### DRIGINATOR: N. BOEDDEKER

### UNTIL SUPER SEDED

DATE:	2/8/89
REVISED:	

ELEGORIE ACOORT NEGITAL	W INSPECTATION SPIECE
lame of Vessel: Extraction Columns	
Contents: Shellside:	Tubeside:
ype of Construction: FUSION WELDED, AS	SME CODE, STAMPED 1989 NON ASCRETIONS
rawing No. : - P&G - Fabricator Precision	
Material Specifications:	P&G No. Plant Dept. Eng.Div.No. Sherman 10872-1
Shell Side: SA-240-304L	Sherman 10872-1 Sherman 10872-2 Sherman 10872-3
ube, Jacket or Coil Side:	Sherman 10872-4
n con ander	Sherman         10872-5           Sherman         10872-6
, !	
, } !	
	Field Tests & Inspections
Shell Max. All. Press. 150 PSI	S Yr. Internal
Max. All. Temp. <u>400 F</u>	<u>1</u> Yr. External
Tubes. Max. All. Press.	Yr. Internal
Jacket, Max. All. Temp.	Yr. External
NOTE: For all heat exchangers, the Fres	ssure Vessel Group is to be notified in
the event of a change from the or	iginal operating conditions.
COMMENTS:	
ai .	
REVISION DATE:SIGNATURE:_	F.V. NO

### FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop-Febricated Vessels Only) As Required by the Fravisions of the ASME Code Rules, Section VIII. Division 1

Eq. No. 22-2-17

- Table				16dolam			ME COOR NUM				C 002
N	envited m	nd sertif	ine w Pr	ecision	Stainles	s. Inc.	501 N , Br	elcrest.	Springrie	ia. MV 6	5802
М	enuteatura (	. Pro	ctar	Gamble	<u>Cincinn</u>	at1. OH	Notes that highers at the	School )			
			The St	olaer Co	ffse Comp	any. 400	West F.	M. 1417.	Sherman.	TX 75090	<u>)                                    </u>
L	pession of Ingi	esi e liga.	+ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				43899-		2429 thru		1989
T	ype Verti	cal 		(編集)	<u>mi 8985-6</u>	(CRA)	(Dn	siby Ma.	Part	M. Nai	(Vep bod)
۲ ۷	ha shemissi 1984L CODE	and ph . The de	iyşiçal pr eşigri, soni	operties of struction, sn	ali perts mee dwarkmanship	soutanu to vi	ments of mate BME Rules, Beo	rial specificat tion VIII, Divi	1986	Edition	AND PRESSURE
ŧ	Addend	um.A;	87				Cost Na		Minney:	Branis beries per LO	180 m)
		_	3041		25 Hart, Thit, No	-	0	21-11-1/	211 10, 01, 6 m2	381	-7-15/16"
5	eams: Walds			_		85	Affan. (m.)	- Walds	d Double But	t Spot	
	esmil Jezula (apds: (a) Met	Less Mills	ys, sam., Bued	የስል፤		E (N) HAY TO		, <u>5A240</u>	and Los suns 304L	p Full	
1	(8) (8) M81	1		*	as tia, diadei	y na a la	Effection	Conical	Hemisphariset	/h:	Sucia to Presidura
	Leastian files Bottom, Ends)	Minit		Correlati Allowette	Cronn Regigt	Kinickie Redue	Ratio	Apax Angle	Redius	Diameter	(Convex of Concave)
	Top.	31		Q	-	- 4	2 : 1	25°		4 6	Concave
ا	Bottom removable, be	25	A 14-12-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15-14-15	<u></u>		4.4		Size has to			
•	in, sesign met id 11 ks, inspes Purpose			ive opening		Mail.	Hom. This		dersamens Met.	How Name the	Location
L/W	Outlet Crain		OF 8168								
	11_/L 1		-								
_	U-A		-					and the same of th			
	<u> </u>										
		1 No		40		n Other			Attached She	))) We	1d
	Supports: Skir Remarks: Man the report:	ufseturs Lus too	er'e Partini ner to	instal	thickness SA240 30	inal)  Ve hetween a leg of part them has the second part, them has the second part them has the second part to the second part	ned by commission transion, Egy was red in SA2A0	ioned inspects tion and anylog received) 3041 N	hoth head hoth head ame plate fety valve	ment of the charter of the desiration of the charter of the charte	following items of ply holts.  Case 2051.
	Jupportsi Skir Remarksi Mah Ine reports	no st	ere Partial ner to nell s 3/8	instal	thickness SA240 30 Sontal po	National and signification of part heat hadden and part heat hadden and hadde	ned by commission transi	duned Inspect tion and anylog result 3041 N stall sa	hoth head hoth head ame plate fety valve	ment of the charter of the desiration of the charter of the charte	following items of ply holts.  Case 2051.
	Supports Skir Remarks: Man the report	on st	er's Partini per to hell s 3/8 ested	Data Repering tall in stall in hori	thickness SA240 30 contal po GHR	Author and elective by heat was a K. B. Custo sition at the tree of tree of the tree of tr	sed by commission transi	tioned inspects tion and and Name 3041 N stall SA Saa lie IANOE	he have been furboth head ame plate fety valvi	rnished for the dand supper Code es. Vess	fallewing items of ply holts.  Case 2051. el hydro-
14	Supports Skir Remarks: Man the report	on st	er's Partini per to hell s 3/8 ested	Data Reporting tall 250 mm plate in how in this source Vessals	thickness SA240 300 Scottal po GHR report are services VIII, E recision	A Custo Sition at TIFICATE OF Sition 1."	SAZAO SAZAO MART TO IN 241 PSI BHOF COMPL II coralle of design	tioned Inspects tion and stion and 3041 N stall sa Saa II IANOE Ign, meterial, authorization	he have been furboth head ame plate fety valvi	rnished for the dand sup per Code	fallewing items of ply holts.  Case 2051. el hydro-
W 1	Supports Skir Remarks: Man the report: C Transiti Support statical w certify that arm to the AS	nd strongs	er's Partial Der to hell 6 3/8 ested remants 10 for Press	Data Report instal	thickness SAPAN 30: contal po GHA report are corre Section VIII, E recision	Active and signification of the control of the cont	SAZAO  MART TO IN  241 DSI  EHOF COMPL  II coralle of desi  Certificate of desi  Inc.	interest of the service of the servi	ame plate fety valve annuation, and annuation, and	per Code s. Vess workmanning	fallewing items of ply holts.  Case 2051. el hydro- of this vessel don- il 6 , 1s 92.
W 1:	Supports Skir Remarks: Man he report:  Support Statical	on strings  Tings  Tings  Tings  The state  Me Code  Ted by  ned, hole	er's Partial ner to nell s 3/8 ested rements r s for Pres	Data Report instal  250 mm. plate in hori  ness in this gure Vessals, io, neme P	thirkness SAPAO 30: contal po contal	Actived and signification of the control of the con	SAZAO  SAZAO  MARY MARKET  SAZAO  MARY TO IN  ZAI DSI  SHOP COMPL  II ceralle of des  Certifleers of A  SHOP INDPE  BACK F SHOP INDPE  BACK OF SHOP  BACK OF	interest in the second of the	here been funder have plate fety valve de 11658	raished for the disappear Code per Code es. Vess disappearantel	fallewing items of ply holts.  Case 2051. el hydro- set this vessel con- 11 6 , 10 92.
M fi C	Supports Skir Transiti Support Statical Control Contro	nd strings	per tartial per to hell s 3/8 ested rements in e for Pres	instal  250 mm  plate  in how i  nede in this soure Versis, to, neme P  sion St  glis bommis  secribed in the	thickness SA2AO 30: CONTAI DO GER TENOR SECTION VIII, E TENOR SECTION CEI AINIESS JOHN SECTION J	Active and element of the control of	SAZAO  MATTO IN  SAZAO  MATTO IN  241 DSI  SHOP COMPL  II ceralle of dee  Certificate	inned Inspects tion and tion and sylvered 3041 N See III SANOE IGN, meterial, surfred satisf Springfi sed Frequent on Incurre	And MO	raished for the disable of the super Code of the	fallewing items of ply holts.  Case 2051. el hydro- out this vested con- il 6 , 18 92.  tase or Province of that, to the boot of this planns.
M fi C	Supports Skir Remarks: Man the report:  Support Statical  certify that term to the AS are n  certify that the undersig the undersig twe inspected ty knowlestes	the free had by ned, had be	per e Partiai per 10 per 10	instal  250 mm  instal  250 mm  in how i  in h	thickness SAPAO 30: CONTAL DO CHR report are correct Section VIII, E recision CB: AINIESS Sion leaded by and ampleyed his Manufacture rese construct	Action and signification of the National Street Page 1991 Process of the National Street Page 1991 Process of the National Street Page 1991 Process of the Page 1991 Proces	SAZAO  MATTANI  SAZAO  SAZAO  MATTANI  SAZAO  SAZAO  MATTANI  SAZAO  FENOPINOPE  FENOPINOPE  TO TANI  TO THE TO TH	tioned inspects tion and tion and 3041 N stall sa Saa II sand IANOE Ign, meterial, support signed a Springfi and Frequery To Insura	Ame plate fety valvi  Ame plate fety valvi	raished for the dand SUP  Der Code  S. Vess  d workmanship  expire Apr  Representation  a and state grion VIII, Div	fallewing items of ply holts.  Case 2051. el hydro- out this vested con- il 6 , 10 92.  that, to the best of this n. By signing tribed in this Menu-
W 10 D VII - h m t t	Supports Skir Remarks: Man the report:  Support Statical  Constitut Support Statical  Constitut Statical	the state who had be need by need by need by need he need by need he need he need by n	per e Partial per to hell s 3/8 ested remante e for Press liding & y ponent di lidin, the l the Inspe	instal  250 mm  plate  in hori  nede in this  sure Vessis,  so, name P  sion St  secribed in the  Menulecture  star nor his  more, neithe	thickness SAPAO 30: CONTAL DO CHR report are correct Section VIII, E recision CB: AINIESS Sion leaded by and ampleyed his Manufacture rese construct	A Custo	SAZAO  MATTANI  SAZAO  SAZAO  MATTANI  SAZAO  SAZAO  MATTANI  SAZAO  FENOPINOPE  FENOPINOPE  TO TANI  TO THE TO TH	tioned inspects tion and tion and 3041 N stall sa Saa II sand IANOE Ign, meterial, support signed a Springfi and Frequery To Insura	Ame plate fety valvi  Ame plate fety valvi	raished for the dand SUP  Der Code  S. Vess  d workmanship  expire Apr  Representation  a and state grion VIII, Div	fallewing items of ply holts.  Case 2051. el hydro- of this vested con- il 6 , 19 92.  tass or Fravince of that, to the best of

	As Require	d by t	ne Provis	ens of the A	SME Code	Aules, 8	lenton VI	II, Division		
1. Manufactured and scrtified	w Precisi	on S	tainle	ss. Inc.	501 N.	Belc	rest,	<u>Springfie</u>	1d, MO 658	302
2. Manufestured for Pro	cter & Gami	ele.	Cincir	nati. OH	(Base end 1674	& w pustame	j			
3. Location of installation	The Folger	Coff	ee Cor	noany. 40	O West	M	1417.	herman.	<u>TX 75090</u>	
4. Type Vertical	seni, He I	_ 83	5-1 thr	u 8985-6	icael m		99-D	2429 thru	2434 14.161	1989 (YIII WAI)
Date Report Isom Number	Pironse	No.	Dia. o Siza	r Tvpe	Mat. M	emarks	Non. Thk.	Reif. Mat.	How Attached	Location
1tem #10	Acitator	1	12"	Pipe	5A240	3044	.375	# # ·	Weld	
	Spare	_3_	34	Pipe	<u>SA312</u>	304	Sch 40	<b>**</b>	Weld	
A STATE OF THE STA	Irans		311 211	Pipe	SA312 SA312	374L	Sch 40 Sch 40		Weld , Weld	
	Lav. switch	<u> </u>	711	Pine Pine	54312 54312	304	Sch 40		Weld	
Control of the Contro	Some		111	Pipe	\$4312	304	Sch 40.		Weld	
	Soare	•	811	Pipe	SA240	301	Sch 40		14" Wald	
	Out let.	4	611	Dipo	54240	304	Sch 40		hield	
	Sightplass	2	Ail	Pad Flan		3001	1504		held	
						S. O. L.			Maria de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición dela composición de la composición dela	
									-	
The state of the s						*********				
	La Company of the Com	and the same	R64:						0.11/10-1	
	And the Control of th	سسط سام کیای	) 			·	and the second second		Minimum and to Military management	-
		-	·····				## +##*********************************	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM		
white the same of	the State of Carlot and Carlot and Carlot	س جاسد ادری گردیاند								
						****				
			Activities & Frederica							
				(-1-)	and the same of th					
					namen and an analysis of the					
	manager and parameter faithful for the figure of the			<del>tanaka katan da</del> 24			3-4-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
					CONTRACTOR OF STREET					
The state of the s		-			CALCO DESCRIPTION					
Turn for Cl. Today & Clinical States of Talance and Ta	EP-179-1-22-1-22-1-22-22-22-22-22-22-22-22-22-	1972 SEC. 4. 444				ACCUS 4 - 14-47-14 - 11-42-2				1
AND THE PERSON OF THE PERSON O	Antich Beind war andere da									
	***************************************									
	STREET, LITTLE AND AND AND ADDRESS.				Management of the Party of	-				
	-			M. C. Phys. accessors and the second						
	epi-manuschionalita-12/2012011		-114. 14 AUGUSTA							
	The second of th						5-34-00-Edu			
The state of the s			-	and the state of t		F-14-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4-4				
processing and the second seco	R. of the same of					-	resent Anni De Marie Carlo			
	#*************************************		444		CANTERN AND SPECIAL SECTION SE	Maria Maria Maria M	on the same of			
	The second secon			460	*					
							Recordence of Alberta & SPE			
	450441	· · · · · · · · · · · · · · · · · · ·	ACTION OF THE STATE OF THE STAT				and the state of t			
Octo 6 - 8 - 8-9		Ç0.	name p	recision	Stainle	55, II	<u>10,                                     </u>	aned Dean	gla 12 m	des comments
Date 6-8-89	\$	Blor	es	Hor CA	200	The same	_ Commis	IDTA NB	8293 1	2445

HARMILA MANUFACTURRR'S DATA REPORT SUPPLEMENTARY SHEET

## FORM R-2 REPORT OF ALTERATION in accordance with provisions of the National Board Inspection Code

1. Work performed by <u>p</u>	aul Mueller Compa	ny (name of alteration or	ganization)		(Form F	R No.)	
1600 W. Phelps, PO Box	828, Springfield, N						
2 Owner FOLGERS GO	SEEEE COMMANIV	(address)					
2. Owner <u>FOLGERS CO</u>	FFEE COMPANI	(name)					
300 F.M. HWY 1417 WE	EST SHERMAN T		······································				
3. Location of installation	SAME AS ABO	(address)					
5. Education of motunation	SAIVIL AS ABO	(name)					
		(address)					
4. Unit identification * <u>SE</u>	E REMARKS (boiler, pressure vessel)	Name of original r	manufacturer	*SEE RI	EMARKS		,
	E REMARKS	*SEE REMARKS	(jurisdicti		235290-7 T		*SEE REMARKS (year built)
) :6. NBIC Edition/Addenda	(mfg serial no.) 1998 A98	(National Board No.)	•	al Construc	Han Cadai	SEE REMA	
	17701150		-		<del></del>	(incl. edit	tion and addenda)
7. Description of work: PA	(use supp	lemental sheet. Form R-4, if nec	essarv)				
CONES AND REPLACE							
SCH 40 304/304L VANS	STONE NOZZLE A	ASSEMBLY, HYDROS	IATICALLY	IEST VES	SEL AFTER	REWORK	A1 230 PSI.
						<u></u>	
					<del></del>		
					Pressure tes	st. if applied	1 256 F
					Pressure tes	st, if applied	1 256 F
				!-3's proper		st, if applied	1 <u>256</u> F
		cturer's Partial Data Repo owing items of this repor		t-3's proper		st, if applied	I <u>256</u> F
				-3's proper		et, if applied	I 256 F
				t-3's proper		st, if applied	1 256 F
				!-3's proper		st, if applied	I <u>256</u> F
				R-3's proper		st, if applied	1 256 F
				?-3's proper		st, if applied	1 <u>256</u> F
				?-3's proper		st, if applied	1 <u>256</u> F
				?-3's proper		st, if applied	1 256 F
				?-3's proper		st, if applied	1 256 F
				R-3's proper		st, if applied	1 256 F
				?-3's proper		st, if applied	1 256 F
	ompleted for the foll	owing items of this repor	t:		ly	st, if applied	1 256 F
8. Replacement Parts. Att	ompleted for the foll		t:		ly	st, if applied	1 256 F
CO	ompleted for the foll	part, item number, data report ty	rpe, mfr's. name a	nd identifying s	dtamp)		
9. Remarks: CUSTOME	(name of	part, item number, data report ty	rpe, mfr's. name al	nd identifying s	itamp)	s, which	WERE
9. Remarks: CUSTOME: RECEIVED BY PAUL!	(name of R REQUESTS AL)	part, item number, data report ty TERATIONS TO BE MA	rpe, mfr's. name al	nd identifying s	itamp)	s, which	WERE
9. Remarks: CUSTOME	(name of R REQUESTS AL)	part, item number, data report ty TERATIONS TO BE MA	rpe, mfr's. name al	nd identifying s	itamp)	s, which	WERE
9. Remarks: CUSTOME: RECEIVED BY PAUL!	(name of R REQUESTS AL)	part, item number, data report ty TERATIONS TO BE MA	rpe, mfr's. name al	nd identifying s	itamp)	s, which	WERE
9. Remarks: CUSTOME: RECEIVED BY PAUL!	(name of R REQUESTS AL)	part, item number, data report ty TERATIONS TO BE MA	rpe, mfr's. name al	nd identifying s	itamp)	s, which	WERE
9. Remarks: CUSTOME: RECEIVED BY PAUL!	(name of R REQUESTS AL)	part, item number, data report ty TERATIONS TO BE MA	rpe, mfr's. name al	nd identifying s	itamp)	s, which	WERE
9. Remarks: CUSTOME	(name of R REQUESTS AL)	part, item number, data report ty TERATIONS TO BE MA	rpe, mfr's. name al	nd identifying s	itamp)	s, which	WERE

### TIONAL BOARD INSPECTION ( DE

Form R-2 (back)	rm R No.)
DESIGN CERTIFICATION  I. Aumelo D. Lopelon, certify that to the best of my knowledge and belief the statements in this report are and that the Design Change described in this report conforms to the National Board Inspection Code.	e correct
National Board "R" Certificate of Authorization No. 2957 expires on OCT, 27 20 01  Date 11/5/99, 19 99 Paul Mueller Company Signed Rusull D. (authorized represe	pelon
CERTIFICATE OF DESIGN CHANGE REVIEW  I, FRANK TAWTA , holding a valid Commission issued by The National Board of Boiler and Pressure Inspectors and certificate of competency issued by the jurisdiction of WISSOUV and employments 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 connected with this inspection.  Date 1-5 1999 Signed Manage or loss of any kind arising from or connected with this inspection.  CONSTRUCTION CERTIFICATION  CONSTRUCTION CERTIFICATION  CONSTRUCTION CERTIFICATION  Certify that to the best of my knowledge and belief the statements in this report are	Vessel oyed by have
and that all material, construction, and workmanship on this Alteration conforms to the National Board Inspection Code.  National Board "R" Certificate of Authorization No. 2957 expires on OCT, 27 20 01	
Date // 5 , 19 99 Paul Mueller Company Signed Russell D. Company (authorized representation)	dative)
CERTIFICATE OF INSPECTION	
nspectors and certificate of competency issued by the jurisdiction of	ed by have

R29601.1

### NON DISCRETIONARY UNTIL SUPER SEDED

