FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

as required by the provisions of the ASME Code rules, Section VIII, Division 1

Ma	nufactured and	certified by	The P	faudle	r Com	oany.8	20 Taylo	or St. E	lvria.	Ohio U.S.	
. Ma	nufactured for	Shell	Develo	pment	Co., 3	333 Hi	d address of man	South, H	ouston	, TX	
	.O. RE-4			Cama		(name and addr	sas or purchaser)				
Loc	ation of install	ation		Same		(nam	e and address)		-		
										1004	
Typ	horiz, or vert	actor , tank)	ELS4-03 (mfr's, serial no	<u>86</u>	(CRN)	CE184-0386 43021 1984 (drawing no.) (Nat'l. 8d. no.) (year built)					
The	chemical and	physical pro	perties of all	parts meet	the requir	ements of m	aterial specif	ications of the A	SME BOILE	R AND PRESSURE	
VE	SSEL CODE. TH	e design, co	instruction ar	id workmai	nship confo	orm to ASME	Code, Sectio	n VIII, Division 1	: <u>198</u>		
	Jena ff.					(year)				(year)	
-	Win. 83		1251-1 (Code Case no.)					cial service per UG-12	The state of the s		
	(addenda (da	(te))					(spec	cial service per UG-12	(O(d))		
ns 6	-11 inclusive to	be comple	ted for single	wall vess	els, jackets	of jacketed	vessels, or s	hells of heat ex	changers.	一 一 一 一 一 一 一 一 一	
										The state of the s	
Sh	nell: SA-285 Gr.B 3/8 (mattl. (spec. no., grade)) (nom. thickness (in.))					0 1 .			- 2 0 - 6.875 ID (ft. & in.)) (length (overall) (ft. & in.))		
	(mat'l. (spec	. no., grade))	(nom. thi	ckness (in.))		corr. allow. (in.))	(dia. IO (ft. & in.))	(leng	th (overall) (ft. & in.))	
Se	ms: <u>DBFW</u>		i jednika izvita izvita. N	70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Province Street	DBFW	ing of the two terms of the first terms of the terms of		i i i i i i i i i i i i i i i i i i i	
	(long. (dbl.	, engl.))	(AT (spot or full))	on our annual continues	(HT temp.	(*F)) (time)	(girth (dbl.,	sngl.)) (RT(spot, p	partial, or ful!))	(no. of courses)	
Ha	ads: (a)	SA	-285 Gr	. B		/h\					
176	aug. (a)		(mat'l. (spec. n	o., grade))	ngan kaganinyat nga keman milaya pelebanangan kemangan kemangan kemangan kemangan kemangan kemangan kemangan k	(0)		(met'l. (spec			
	Location (top, bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckfer Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (convex or concave)	
(a)	Bottom	.375	0	-	***	2:1				Concave	
(b)	_	_	-		-		CARD.	_	100	4	
	300 /300	(describe as og	ee & weld, bar, et	C.).				Hydro.,		describe or sketch	
	12 and 13 to be									· · · · · · · · · · · · · · · · · · ·	
Tu	besheets:	nary mat'l len-	c. no., gr.i) (dia. (in.) (subject to pressure))			(nom. thickness (in.))		(corr. allow. (in.))		altachment (welded, boiled))	
	lasan	rinery instit (appr	o. non, yr.p (ula.	in teachers	o bressarcii	terom, mich	made (III)	tean anow timp (at		warment (werest, ported)	
	4 2 3 (floa	ting mat'l. (spec	no , gr.))	(dia (in	1)	(nom thick	ness (in))	(corr. allow. (in	And the state of t	(sttachment)	
Ti	bes:					-				m ný	
·u		spec. no., gr.))	arro dint mpilableron unonescidenza e	OD (in.i)	(nom	. thickness (in. (or gauge))	(no)	(1	type (straight or U))	
ne	14.17 inclusive	to be comp	lated for inne	r chamber	s of jacket	ed vessels n	r channels of	heat exchanger	•		
110	is ir muddalva	to be comp	.c.eu ioi iiiie	. onumber	J Jr Jacker	, . , , , , , , , , , , , , , , , , , ,	. Shamers Of	ut ununger	··		
e -	ell: SA-53	Gr.B	ર	75		0		1 - 0	ο.	- 1.9375	
on	AND ADDRESS OF THE PROPERTY OF	pec no gr.))		nickness (in))		(corr allow (in);	(dia ID iff & in))	(len	gth (overall) (ft & in.))	
6	ams. SMI	r.s		10	0 -		DBFV	v		1	
J6	AND A CARLO AMPLIANCE AND AND ADDRESS OF THE PERSON NAMED AND	dbl., sngl.))	(RT (spot or fu		%)) (HT tem)	p. (*F)) (time		sngi)) (RT (spot.	partial or full)	(no. of courses)	
16. Heads: (a) Case 1251-1 (b) SA-234 WPM (mat1 (spec no. grade)) (mat1 (spec no. grade))											
										An entire control description of the second	
	Location (top, bottom, ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diarneter	Side to Pressure (convex or concave)	
/~\	Top	1.5"	0			_			10	77.7	
(a) (b)		.375		10.5	2"	<u> </u>			19	Flat	
	a de companyo e e e e e e e e e e e e e e e e e e e			unia princepinaje, niverniu lehijim pinindojimi his-			93B7 , 7/8	2" 12		Both	
H	emovable, bolt	s used (desc	ribe other fas	tenings)	n description services and the services of the	DM-1	with the second	oc. no. gr. size, no.)	ang Calabian da 1999 Salika salam kalabia da laba da		
	FV to		450					•		150	
M	AWP:	_at max. ter	mp	Min. ter	np:	when less than -	20°F)	Hydro.,	tesi	press.: 120	
	AWP: (psi)	_at max. te	mp. 450 (*F)	Min. ter	44			Hydro.,	tes	press.: 150	

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Col's., OH 43229

FORM U-1 (back)

Purpose (inlet,	1				Nom.	Reinforcement	How	
outlet, drain, etc.)	Number	Die. or Size	Туре	Matil, 1966, 198	Thickness	Malaries	Attaches	Location
Inlet (3)	1.5(1)	1(1)1.25	Pad	Case 1251-1	750#	atta, ang kalanggan	Drld.Tr	Top Ho
Outlet	<u> </u>	1"	Pad	SA-562	750#		We]ded	-
Jacket	3	3/4"	Cplg	SA-216WCA	3000#		Welded	Jacket
-	-	-	-			 =		
		-	****					
_			***		-		-	
-		_	1000		- Was			

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following item Model	s of the re	port:	/300 5	perly identified and signed (name of part, item null FOWBT glass lin Set for non-cor	mber, mfr's name an	d identifying stamp) Chamber for		
			and printed the self-self-self-self-self-self-self-self-				an Electrical por electrica en antigon e distribuição de la constitución de la constituci	
		annanan dia amin'ny fivondronan-dia dia mandronan-daharanjarahan dia						
			report are	CORRECT AND THE COMPANY CONTRACTOR OF SHOP COMPANY CONTRACTOR OF SHOP COMPANY CONTRACTOR OF SHOP CONTRACTOR OF SHOP COMPANY CONTRACTOR OF SHOP CONTR	s of design, ma	erial, construction	and workman	ship of this
essel conform to	the ASME	Code for Pres	ssure Vess	els, Section VIII, Division	1.	$\Delta 0.0 \times$	1.	
		ion no. <u>L.L., L.</u>	TE expir	_{es} <u>April 21 ₁₉ 8</u> er Company	90	THILLY OF	John	
ate <u> 9 - 18 - 85</u>	Na	Ime		enufacturer)	Signed	(repre	sentative)	
the undersigned once of Ohio eport on eport or essure vessel in the secribed i	holding a laccordance reficate ne sanufacture	valid commiss _and employed , 19	sion issued by H. of Hart and state Code, Sec ector nor hi ort. Further	by The National Board of S.B.I. & I. Co. ford, have inspected that, to the best of my known tion VIII, Division 1. semployer makes any warmore, neither the inspector parising from or connected the connected that the connec	Boiler and Press d the pressure violet ge and be rranty, expresse or nor his employed with this insp	vessel inspectives and or implied, concept shall be liable pection.	n this Manufact turer has const erning the pres in any manner	urers' Data ructed this sure vessel for any per-
				ATE OF FIELD ASSEMBL				
				parts of this vessel confo	orms with the re	quirements of Sec	ction VIII, Divisi	on 1 of the
SME BOILER AN				_				
U" Certificate of			expir	es, 19	espaine	EVE -		
#10	Name	(Lesembler **	hat certified a	nd constructed field assembly)	_Signed	(by repre	isental(ve)	hing and a finish of the state
	de constitución de la constitución	. We see the first time to the second of the	principal district on survivor a representativa		and the state of 	es a ana maina de completa por a como se esta a secuenta de comunicación de comunicación de comunicación de co	entre con esta esta esta esta esta esta esta esta	nersterekofonikiskare isgalakilaken istala
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-				by The National Board of	and the second second second second	The second secon		ate of Diov
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			etalonyoonista varitoretti revinistateet	of				
				nat parts referred to as dat				
	mbled this	pressure vess	sel in acco	by me and that to the be rdance with ASME Code, 5				
by signing this ce lescribed in the N	rtificate ne Aanufactur	either the inspe ers' Data Repo	ector nor hi ort. Further	s employer makes any wai more, neither the inspecto	rranty, expresse or nor his emplo	yer shall be liable	2.7	
ional injury or pr		-	of any kind	d arising from or connecte				
A	Cian	. 4				CONTRACTOR STATE		

(Authorized Inspector)

(Nat'l, Bd. (incl. endorsements) state, prov. and no.)