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

1.	Manufact	ured an	d certifie	ed by —															
0	NA	(Name and address of Manufacturer)																	
2.	Manufact	anufactured for(Name and address of Purchaser)																	
3.	Location	ocation of installation(Name and address)																	
4.	Туре	Type																	
		(CRN)				(Drawing	number)					(Nationa	ıl Board nı	ımber)		(Year I	ouilt)	
5.	ASME Code, Section VIII, Div. 1 [Edition and Addenda, if applicable (date)] (Code Case number) [Special service per UG-120(d)]									d)]									
lten	ns 6–11 in	cl. to be	comple	ted for si	ngle-wall v	essels, jad	ckets of	jacketed	l vess	els, she	ll of	heat exch	ange	rs, or ch	namber o	f multic	hamber	vessels.	
6.	Shell: (ber of co	ourses _				_ (b) O	/erall	length _									
_	T 8:	Course(s				Material		Thick				Long. Joint (Cat.			Joint (Cat. A Full, Spot,	oint (Cat. A, B, & C)		Heat Treatment	
No.	Diai	meter	Le	ength	Spec./C	Grade or Type		Nom.	Co	rr. ly	/pe	None	Eff.	Type	None	Eff.	Temp.	Time	
									+ +			+							
							Body	Flanges or	Shells	i					D. III				
N.	Toma	ID	OD	Flanca This	Min Hub Thi				ادمادد		<u> </u>	N 9. C:	Dalei	M-+i-		Washer		. Matarial	
No.	Type	טו	ID OD Flange Thk Min Hu		IVIIII HUD TIIK	Materi	aı	How Attac		ched Location		Num & Size E		Bolting Material		(OD, ID, Thk)		Washer Material	
											+				1				
											_								
7.	Heads: (a)	(Mater	rial spec. nur	nber, grade or	type) (H.T. — t	ime and t	emp.)		(b)		(Material sp	ec. num	ber, grade	or type) (H.	T. — time	and temp.)		
	Location (Тор,	Thick	ness		Radius Elli		Elliptical Co		nical Hemis.		. Flat		Side to Pressure			Category	$\overline{}$	
	Bottom, E	nds)	Min.	Corr.	Crown	Knuckl	e Ra	atio Ape	x Angle	Radiu	ıs	s Diameter		onvex	Concave	Type	Full, Spe None	ot, Eff.	
(a)													_						
(b)																			
	1	1	1				Во	dy Flanges	on He	ads	Т				Bolting				
	Location	tion Type ID OD Flange Thk Min Hub Thk Material How Attach		w Attached	ched Num & Size Boltin				ing Material Washer (OD, ID, Thk)			Washer Material							
(a)																			
(b)																			
										et closu	re _		([escribe as	ogee and w	eld, bar, e	tc.)		
	f bar, give	e dimen	sions. If	bolted, d	describe or	sketch													
9. I	MAWP _	(Internal)	(Ex	ternal)	t max. tem	ıp	Internal)	(Exte	ernal)	Min.	des	ign metal	temp	. —		at		 -	
10.	Impact te	st			[Indicate yes	or <i>no</i> and the c	omponen	t(s) impact t	ested]			a	t test	temper	ature of				
11.	Hydro., p	neu., or	comb. t	est press	ure					est									
lten	ns 12 and	13 to be	comple	eted for tu	ıbe section	s.													
12.	Tubeshee	t	onary (mate	erial spec. no	o.)] [Diame	ter (subject to	pressure)		(Nomir	al thicknes	ss)		(Co	rr. allow.)		Attachme	nt (welded	or bolted)1	
				rial spec. no.		(Diameter)				thickness)			(Corr. allow.)			[Attachment (welded or bolted)] (Attachment)			
13.	Tubes			de or type)		(O.D.)				hickness)				mber)			(straight o	r U)]	

Dogo	o.f	
Page	ot	

	ufacture	-																	
Man	ıufactureı	's Seria	ıl No				CRN				. Na	ational Bo	ard N	lo					
ems	s 14–18 ir	ncl. to b	e comp	oleted for	inner cha	mbers of ja	acketed	vessels (or chan	nels of	heat	exchang	ers.						
4. S	Shell: (a	No. of	course	s			(b) Overa	ıll lengt	th									
		Course(s)			Material		Thi	ckness		Lon	g. Joint (Cat	. A)	Circum.	Joint (Cat. A		Heat Tre	Heat Treatment	
No.	Diar	neter	L	ength	Spec./Grade or Typ		e	Nom.	Cor	r. Ty	pe	Full, Spot, None	Eff.	Туре	Full, Spot, None	Eff.	Temp.	Time	
_							Body	y Flanges o	n Shells					<u> </u>	<u> </u>				
								, riungee e	1 0110110						Bolting				
No.	Туре	ID	OD	Flange The	Min Hub T	hk Mat	erial	How Att	tached	Location	ion N	um & Size	Boltin	ıg Materia	Washer (OD, ID, Thk)		Washer	r Material	
5. H	leads: (a)								(b)									
			(Mate	rial spec. nur	nber, grade	or type) (H.T. –	– time and	temp.)				(Material sp	ec. nun	nber, grad	e or type) (H.	T. — time	e and temp.)	1	
	Location (ckness		Radius			Conical	Hemis		Flat		Side to F				A t, Eff.	
(a)	Bottom, Er	nas)	Min.	Corr.	Crow	own Knuckle Ratio Ap		ex Angle	x Angle Radius		Diameter		onvex Concave		Type	Full, Spo None	- Eπ.		
(a) (b)																			
							В	ody Flange	s on Head	ds									
	Landon	T	10	0.0	FI Th	L MATERIAL TO		la ka da l	Henry			Num & Size		ng Materi	Bolting	Washer			
(a)	Location	Туре	ID	OD	Flange In	k Min Hub Thl	C IVI	laterial	HOW	How Attached		114111 & 0120		ing iviateri	ar (OD	, ID, TNK)	VVashe	er Materia	
(b)																			
6. N	IAWP _	(Internal)	(E:	xternal)	it max. te	mp	ternal)	(Exter	nal)	Min. de	sign	metal te	mp			_ at			
. In	npact tes	t		[ndicate <i>yes</i>	or <i>no</i> and the o	component	t(s) impact t	ested]			at	test t	empera	ture of _				
3. H	lydro., pn	eu., or	comb. t	est pressu	ire		•	Pr	oof tes	t									
		spection	n, and	safety val	/e openin	igs:													
(In	Purpose (Inlet, Outlet, Drain, etc.)			ameter or Size	Туре	Material Nozzle		Flange	_	Nozzle Thick			rcemen	` 	Attachment Details Nozzle Flange		Loca (Insp. (
					.,,,,,			90			Corr.					iango	(-	
		+	+				-		+					+					
			\blacksquare											\blacksquare					
		+	+	+	$\overline{}$				\dashv	-+				+	-+				
) 6	unnorte	Skirt		Luge		l ans	•	Others	,			Λ++-	ched				-		
						Legs(N										here and			
						ly identified er, Manufa							ave D	een ruri	nsned föl	tile 10	nowing i	terris 0	

22. Remarks

FORM U-1 Page ______ of _____

Manufactured by									
/Janufacturer's Serial No	CRN	Nat	National Board No						
We certify that the statements in this report of conform to the ASME BOILER AND PRESSURING U Certificate of Authorization number	E VESSEL CODE, Section VI	ails of design, mate	rial, construction, and workmanship of this vessel						
	(Manufacturer)		(Representative)						
I, the undersigned, holding a valid commiss	•	al Board of Boiler a	nd Pressure Vessel Inspectors and employed by						
PRESSURE VESSEL CODE, Section VIII, Division or implied, concerning the pressure vessel desc be liable in any manner for any personal injury of	elief, the Manufacturer has c in 1. By signing this certificate in tribed in this Manufacturer's I priproperty damage or a loss	onstructed this pres neither the Inspector Data Report. Furtherr of any kind arising fr	•						
Date Signed(A	Authorized Inspector)	Commissions	(National Board Authorized Inspector Commission number)						
	CERTIFICATE OF FIELD AS	SEMBLY COMPLIAN	ICE						
		•	all parts of this vessel conforms with the requirements ization number Expires						
Date Name	(Assembler)	Signed	(Representative)						
		OCERADI V INIODEOTI	·						
I, the undersigned, holding a valid commiss	CERTIFICATE OF FIELD AS sion issued by the Nationa		nd Pressure Vessel Inspectors and employed by						
and state that parts referred to as data items _ inspected by me and to the best of my knowled with the ASME BOILER AND PRESSURE VESS test of By signing this of	dge and belief, the Manufact EL CODE, Section VIII, Divis certificate neither the Inspe his Manufacturer's Data Re	, not includ turer has constructe sion 1. The described ctor nor his/her em port. Furthermore, i	of s Data Report with the described pressure vessel ed in the certificate of shop inspection, have been d and assembled this pressure vessel in accordance d vessel was inspected and subjected to a pressure ployer makes any warranty, expressed or implied, neither the Inspector nor his/her employer shall be om or connected with this inspection.						
Date Signed(A	Authorized Inspector)	Commissions	(National Board Authorized Inspector Commission number)						

(07/17)