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 certifi	ed by															
	(Name and address of Manufacturer)																		
2.	Manufact	Name and address of Purchaser)																	
3.	Location (ocation of installation(Name and address)																	
4.	ype																		
	. Type (Horizontal, vertical, or sphere) (Tank, separator, jkt. vessel, heat exch., etc.) (Manufacturer's serial number)																		
	(CRN) (Drawing number) (National Board number) (Year buil										ouilt)								
5. ASME Code, Section VIII, Div. 1 [Edition and Addenda, if applicable (date)] (Code Case number)								[Special service per UG-120(d)]											
Item	s 6–11 ind	cl. to be	comple	ted for si	ngle-wall	vessels, ja	ckets of	, jackete	d vess	els, shel	l of	heat exch	nange	rs, or cl	hamber o	f multic	hamber	vessels.	
6.	Shell: (a) Numl	er of co	ourses _				_ (b) O	verall	length _									
		Course(s)			Vlaterial		Thickne		ss		Long. Joint (Cat.		Circum.		oint (Cat. A, B, & C)		Heat Treatment	
No.	Diar	neter	Le	ength	Spec./	Grade or Type		Nom.	Co	rr. Ty	ре	Full, Spot, None	Eff.	Туре	Full, Spot, None	Eff.	Temp.	Time	
	-		-						-						+				
	+								1						+				
	•		-	•			Body	Flanges o	n Shells					•					
															Bolting				
No.	Туре	ID	OD	Flange Thk	Min Hub Thk	Mater	ial	How At	ached	Location	cation Num & Size		Boltir	ng Materia		Washer (OD, ID, Thk)		Washer Material	
											-								
7.	Heads: (a		(Mato	rial enac nur	nhar grada o	type) (HT	time and t	emn)		(b)		(Material co	ec num	her grade	e or type) (H.	T — time	and temp)		
	Thickness				umber, grade or type) (H.T. — time and								Side to Pressure Categor						
	Location (*Bottom, Er		Min.	Corr.	Crown	Knuckl			Conical ex Angle	Hemis Radiu				onvex	Concave	Туре	Full, Sp None	ot, Eff.	
(a)													\top						
(b)																			
							Во	dy Flange	s on Hea	ads									
											-				Bolting V	Vasher			
(a)	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Ma	aterial	Hov	w Attached	Num & Size		Bolt	ing Mater		(OD, ID, Thk)		Washer Material	
(b)											╁								
8. 1	ype of ja	cket	ı						Jack	et closui	re _		(Г	escribe a	s ogee and w	eld bar e	etc.)		
ı	f bar, give	dimen	sions. It	bolted, c	describe o	sketch													
9. 1	MAWP _	(Internal)	(E>	aternal)	it max. ten	np	Internal)	(Ext	ernal)	Min.	des	ign metal	temp	. —		at		·	
10.	Impact te	st				or <i>no</i> and the o	componen	t(s) impact	testedl			a	at test	tempe	rature of				
11.	Hydro., p	neu., or	comb. t	est press	•	or no and the t	-			est									
Item	s 12 and	13 to be	comple	eted for tu	ıbe sectior	is.													
12.	Tubeshee	t[Statio	onary (mat	erial spec. no	o.)] [Diame	eter (subject to	pressure))]	(Nominal thickness)			(Corr. allow.)				[Attachment (welded or bolted)]			
		[Floa	ting (mate	rial spec. no.)]	(Diameter)	(Nominal	thickness)			(Corr.	allow.)		(A	ttachment)		
13.	Tubes	aterial spe	c. no., gra	de or type)		(O.D.)		(N	ominal t	hickness)			(Number) [Type (straight or U)]						

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	ufacture											National Bo	ard N	0				
		0 00110					OI T					Tational Bo		·				
						mbers of ja							ers.					
4. S	Shell: (a			s		Material	(b) Over		jth								
No.	Diar	Course(neter	1	.ength	Snec	Nom.	nickness Co)rr	Type	rull, Spot,	. A) Eff.	Circum	Full, Spot,	oint (Cat. A, B, & C)		Heat Treatment		
140.	Diameter		+	longin	Spec./Grade or Type			140111.		,,,,	Турс	None	LII.	Турс	None		Tomp.	
						1	Body	Flanges	on Shells	•	_				Bolting			
No.	Туре	ID	OD	Flange Thk	Min Hub Th	Material Material		How Attach		ched Location		Num & Size	Bolting Materi		Washer		Washer Materi	
											+				-			
										(1.)							I	
5. F	leads: (a))	(Mate	rial spec. nun	nber, grade o	r type) (H.T. —	time and	temp.)		(b)		(Material sp	ec. num	ber, grade	or type) (H.	T. — time	and temp.)	
	Location (Top, Thickness			kness		liptical Conical Hemis			mis.	. Flat		Side to Pressure			Category A			
	Bottom, Er	nds)	Min.	Corr.	Crow	n Knucl	kle R	Ratio Apex Ang		Radius		Diameter	Diameter Co		Concave Type		Full, Spot, None	
(a) (b)		_								-			+					+
(D)																		
						I	Во	dy Flange	es on Hea	ads	T				Bolting			
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Ma	aterial	Hov	How Attached		Num & Size	Boltii	ng Materia		asher ID, Thk)	Washe	r Materi
(a)																		
(b)	1 A \ A / D	1			t 100 000 tox	<u> </u>			<u> </u>	Min	daaia		<u> </u>		<u> </u>	o t		
o. IV	IAWP _	(Internal)	(E)	cternal)	t max. ter	np	ernal)	(Exte	ernal)			n metal tei						
'. In	npact tes	t		[1	ndicate <i>yes</i> c	or <i>no</i> and the c	omponent((s) impact	tested]			at	test t	empera	ture of _			
				est pressu safety valv		gs:		P	roof te	st								
	Purpose (Inlet, Outlet,			ameter		Material	aterial			Nozzle Thickness		cement Att		ttachment Details		Locat	tion	
	rain, etc.)	N	lo. O	r Size	Туре	Nozzle		Flange		Nom.	Corr	r. Mat	erial	No	zzle F	lange	(Insp. C)pen.)
		+	-						\dashv					+				
		+	_				_					-		+				
		-							-+					+				
0. S	upports:	Skirt _	(Voc.or.no)	_ Lugs _	(Number)	Legs	ımbar)	Others		(Dagge	iba\	Atta	ched		()()	here and	how)	
1. N	lanufactı	ırer's P	artial Da	ata Report	s properly	identified er, Manufac	and sig	ned by	Comm	ission	ed In:	spectors h						ems o
	- / •			1/ 100		,		, •		- 7.00	J	, -						

22. Remarks

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Manufactured by											
flanufacturer's Serial No	CRN	National Board No	National Board No								
We could the the attended in this ye	CERTIFICATE OF SH										
•	We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.										
U Certificate of Authorization number	·	ires									
Date Name	(Manufacturer)	Signed	(Representative)								
	CERTIFICATE OF SH	HOP INSPECTION									
l, the undersigned, holding a valid con	·	al Board of Boiler and Pressure V									
have inspected the pressure vessel descri											
state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND											
PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed											
or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall											
be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.											
Date Signed	(Authorized Inspector)	Commissions(National Board	d Authorized Inspector Commission number)								
	CERTIFICATE OF FIELD AS		Authorized inspector Commission number/								
We certify that the statements in this report			voccal conforms with the requirements								
of ASME BOILER AND PRESSURE VESSEL											
Date Name	(Assembler)	Signed	(Representative)								
			(Neprocontative)								
CERTIFICATE OF FIELD ASSEMBLY INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by											
		ar Board of Bonor and Freedare v									
of,	have compared the statements	in this Manufacturer's Data Report	with the described pressure vessel								
and state that parts referred to as data items, not included in the certificate of shop inspection, have been											
inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance											
with the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. The described vessel was inspected and subjected to a pressure											
			any warranty, expressed or implied,								
concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be											
liable in any manner for any personal inju	ry or property damage or a loss	of any kind arising from or connect	ed with this inspection.								
Date Signed		Commissions									
Data Digited	(Authorized Inspector)	(National Board	Authorized Inspector Commission number)								

(07/17)