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

1. M	anufactured and ce	rtified by _I	Hudso	n Prod	ucts Co	orporati	on, 90	660 Gru (Name and				asley, T	exas	<i>774</i>	:17					
2. M	lanufactured for	Suno	co., Eag	gle Poin	t Refine	ry / Sul	folane	Unit., V	Vestv	ille, N	IJ									
3 17	ocation of installati	nn Cr	2000	Eagla D	oint Pot	finery /	Cultab	•			urchaser)									
U. L.	ocation of matamati	<i></i>	11000.,	Lagie i	onit Kei	intery /	Junon			Addres:	· · · · · · · · · · · · · · · · · · ·				16.					
4. 1	Гуре		zontal							hange						J863-	11A-O-1			
	(Ho	oriz., Vert., o						nk, Separat	or, Jkt.	Vessel, I	leat Exh., e				- 11 - 1	(Mf	g's Serial No.)			
			V/A				6A-R (Drawin						554				2009			
(CRN) 5. ASME Code, Section VIII, Section VIII, Div.1 2											(Nat'l, Bd. No.) N/A					N	(Year Built)			
Div.1 Section VIII, Div.1											(Code Case No.)				N/A Special Service per UG-120(d)					
11	tems 6-11 incl. to b	e completed	for single	wall vessel	s, jackets o	of jacketed v	essels, s	hell of heat	exchan	gers, or i	chamber of	multicham	ber ves	sels.						
	Shell (a) No of	fcourse(s): 1						(b)	Overall le	ength (ft &	in.):			6-7/8" x 1	0-3/4"	x 6' 5"			
*HE	ADER Course	(s)			Material	I Thickness				Long. Joint (Cat. A) Circu				Circum	um. Joint (Cat. A, B, & C) Heat Treatment					
No.	Diameter, in.	Length (ft.	& in.)	Spec./Grade or Type		vne	Nom. Corr.		Туре			1	Eff. Typ				Temp.	Time		
N/A		N/A		N/A			N/A	N/A	N/A	<u> </u>	RT4	** 100		/A	N/A	Eff. N/A		Hr24Min		
																·····				
7 11		A 516 50		1155 . 0	-011	111 0	() ()			4. 1	C + E 1 <	70	445		=0F) 4 XX	0434				
/. H	eads (a) S	A-516,70 (Ma		1175 ± 2 No., Grade		1 Hr. 24 T. Time &				(b)	SA-516			75 ± 2.	ade or Type) (H.T.	. 24 M				
			Thicknes		Radi		, ·													
	Location (Top, Bottom, Ends)	Mit		Corr.	Crown	Knuckle	Elliptic Ratio	1	nical Angle	}	adius	Flat Diameter	C	Side	to Pressure Concave	Tymo	Category Full, Spot, Non			
(a)	Top & Botton				N/A	N/A	N/A		/A	N	I/A	FLAT	-	/8" x		N/A	N/A	N/A		
(b)	Ends	1/2			N/A	N/A	N/A		/A		/A	FLAT:	+	/8" x	0'9-1/2"	N/A	N/A	N/A		
14		.d (doo:b.o	shau faasa										End	la.TA7a1	ded-Corner Jo	int.				
11 1	emovable, bolts use	a (aescribe o	mer raste	ening)					(M	at'l Sne	c. No., Gra	de. Size. N		is:vve	dea-Corner Jo	1111				
8. T	ype of jacket 1	J/A									re N/A		.,							
													([Describe	as ogee & weld, l	oar, etc.)				
If ba	r, give dimensions	N/A														_ If bolt	ed, describe or	sketch.		
9. N	IAWP	245	 .	15	p:	si at max. te	mp	250		2!	50 °F	Min. desig	n meta	temp.	0	°F at	245	psi.		
	N/O	internal) , CHARP`	√ IMPA	(extern:		T DED III	C-20(A	(intern	al)	(exte	ernal)				test temperature	of	N/A	°F.		
10. I	Impact test NO	CHARL	I IIVII A			no and the c			toetod)					at	. test temperature	UI	IV/A	г.		
11.	Hydro., pneu., or co	mb. test pre	ss. H	ydrostati	•	in and the c	umponen			N/A										
	ms 12 and 13 to be			ctions																
		SA-516,			10-3	/4" x 6'	5"		1-	1/4"			0"				Welded			
[Stationary (Mat'l Spec. No.)] [Dia., in. (subject						(subject to p					thk., in.) (Corr. Allow., in.									
_	N/A				/A		N/A N/A						N/A							
[Floating (Mat'l Spec. No.)] (Dia., in.)						,	(Nom. thk., in.) (Corr. Allow., in.)						0	(Attachment)						
13. Tubes: SA-214 1" (Mat'l Spec. No., Grade or Type) (0.D., in.)							.120" AW 168 (Nom. thk., in. or gauge) (Number)							Straight [Type (Straight or U)]						
	Items 14-18 incl.						or chann						(1841)	10017			ypo (Diraight i	3. 0/1		
14. 8	Shell (a) No. of Cou	rse(s): N/	A						(b) Ove	rall leng	th (ft & in.)	:								
	Course(s) Material					ıł	Thickness			Long. Joint (Cat. A)			Circum. Joint (Cat.		A, B, & C) Heat 1		Treatment			
No.	Diameter, in.	Length (ft.8	k in.)	Spec./Grade or Type				Nom. Co	Corr.	Туре	Full, Spot	, None	Eff.	Туре	Full, Spot, No	ne E	ff. Temp.	Time		
														L	<u> </u>			L		
15. F	leads: (a) N/A								(b)											
(Mat'l Spec. No., Grade or Type) (H.TTim					me & Temp)				(Mat'l Spec. No., Grade o			Grade or	or Type) (H.TTime & Temp)							
T	Location (Top,						Elliptical	Conical		Hemispherical		Flat		Side	to Pressure		Category /	4		
_	Bottom, Ends)	Min	Corr.	r. Crown	n Knu	ckle R	Ratio	Apex Angle		Radius		Diameter	C	onvex	Concave	Туре	Full, Spot, No	ne Eff.		
(a)												1	1							
(b)					I .	1						1								
, . , <u></u>																				

(Mat'l Spec. No., Grade, Size, No.)

FORM U-1 (Back)

16. MAWPN/A			psi	at max. temp.		°F. Min. design metal temp °F at						
·	nterna	ıl) (e	external)	(intern	ial) (exter	nal)						
17. Impact test N	/A	***		at test temperature of [Indicate yes or no and the component(s) impact tested]								
18. Hydro.,pneu.,or c	amh	tnet proce N	/A	(Indicate ye	es or no and the c Proof test		oact tested	I				
19. Nozzles, inspection			N 0 (.)	/alve Outlets Per UG-125	Proof test	,						
Purpose (Inlet,	Jii, ali	Diameter or	Flange	Materi	ial	Nozzle T	hickness	Reinforcement	How At		Location	
Outlet, Drain, etc.)	No.		Туре	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Open)	
Inlet & Outlet	2	6"150#	R.F.W.N.	SA-105		Sch. 80		None	W/W			
	2	6" HPC	TRANS	SA-234,WPBS9		Sch. 80		None	W		-	
Vent & Drain	1	3"150#	R.F.L.W.N.	SA-105				None	W			
vent & Drunt	1	0 100%	14,1 ,13, 7 7,1 4.	5/1 105				TVOICE	Y Y			
	-											
	-									-		
	 		· ,									
	-									-		
20. Supports: Skirt		No L	ugs	Legs	Others			Atta	ched			
	•	es or No)	(No.)	(No.)	-	(Desci				(Where & How	1)	
			operly identified and si g's. name and identify	igned by Commissioned In: ing number)	spectors have bee	n furnished for	the following	ng items of the report:				
22. Remarks: * Two Rect.	He	aders : Inlet	& Outlet Head	ders : 6-7/8" x 10-3	3/4" x 6' 5" F	ach.						
			nn Condenser	Item No. SUE-		nt # 15	Rear #	ŧ 8				
OVERAL	L D	IMENSION	: 10-3/4" x 6'	5" x 34' 11" Long	Cus	omer Desi	gn Pres	sure 225/FV PSI	G @ 250°F.			
Spot X-R	ay						**	Conforms To Ap	pendix 13, P	ara. 13-5		
We certify that the s he ASME Code for P U Certificate of Autl	ressu	re Vessels, Sectio	on VIII, Division 1.	CERTIFICA d that all details of design Expires	ı, material, constru			f this vessel conform to		\		
Date 4-8-	09	Name	Ht	udson Products C	orporation		Sign	ou l'en l'en le		Kuns	$\Delta \mathcal{L}$	
	_			(Manufacturer)	· .		_ (7	(Representative)			
				CERTIFICA					Texas			
I, the undersigned, I				onal Board of Boiler and P	ressure Vessel Ins	pectors and/or	the State o				-	
and employed by				SB CT		of		Hartford, Conr	1.	have inspected	l	
Manufacturer has c expressed or implied	onstru I, con	acted this pressur cerning the press	re vessel in accordance ure vessel described in	t on April 8 be with ASME Code, Section this Manufacturer's Data onnected with this inspect	on VIII, Division 1. a Report. Furtherm	By signing this	certificate	that, to the best of my l neither the Inspector nor nor his employer shall be	his employer makes	any warranty,	nal	
Date 4/8/2	200	9 Sinner	Dunmere!	Buntito		Commissions		NAT'L. BD.# 1	1617A TX#	1499		
50.0 77 5 7 D	VV	oigilous		Authorized Inspector)		COMMISSIONS		(Nat'l Board incl. Endors				
'		•	ort are correct and tha	ERTIFICATE OF the field assembly constitution.	ruction of all parts	of this vessel	OMPLIA conforms w	ANCE rith the requirements of A	ASME		1	
Date												
				Assembler)				(Represent	ative)			
l, the undersigned, h	nolding		sion issued by the Natio	ERTIFICATE OF onal Board of Boiler and P	ressure Vessel Ins	pectors and/or	the State o					
,		nents in this Man	ufacturer's Data Repo	rt with the described pres ected by me and to the be	sure vessel and st	ate that parts r	eferred to a	as data items		e vessel in		
	ME C	ode, Section VIII,	, Division 1. The descri	ibed vessel was inspected implied, concerning the pre	and subjected to	a hydrostatic te	est of	psi. By si	gning this certificate	e neither the	nployer	
shall be liable in any Date				amage or a loss of any kir	nd arising from or	connected with Commissions	•	tion.				
			· (Ai	uthorized Inspector)				(Nat'l Board incl. Endorse	ement, State, Provin	ce and No.)	<u> </u>	