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

			As R	equired b	y the	Provis	ions o	f the A	SME	Code Rul	es, Secti	on VI	II. Div	ision 1					
1. N	fanufactured ar	nd certified by				No. of Contract of				orth Fulton, T			The state of the last of the l	THE RESERVE OF THE PARTY OF THE					
	Annufactured 6									lanufacturer)									
2. 1	fanufactured fo	or <u>vvorie</u>	yParson	is Group, Ir	c., 181	W. Hur (Name	ntington and add	Drive, M lress of P	nonro urcha	via, CA 910 ser)	16								
3. L	ocation of insta	llation	BP Expl	oration Ala	ka, Pri														
		1						nd addres											
4. 1		forizontal vert., or sphe	re) (T	ank, separat	eat Exc	changer essel, he	at exhe	etc.) (N	96 Ma's s	83-2 serial No.)	(CRN)	_ 96		(REV 5) ng No.)	/Not	6007 Bd. No.)		2008 r built)	
5. A	SME Code, Se			20	04 ED,	2006 A	DD	, ,			(01.1.1)		(Diawi	ng (40.)	(ivat	1 Bu. No./	(Tea	i built)	
						Addenda		ESSENCE OF REPORTED TO			Case No.		_	Speci	al Serv	ice per UG-1	20(d)		
6. S	s 6-11 incl. to b					of jacket													
0. 3		of course(s):			3				all len	gth (ft & in)									
Course(s) No. Diameter, in. Length (ft & in.)			in.) S	Material Spec./Grade or Type			Thickness Nom. Corr.			Long. Joint (C Full, Spot, N		Type	pe Full, Spot, None		& C) Heat 7 Eff. Temp.		Treatment Time		
1	52 3/8" ID	9'-11 1/2		SA-516-7		1 1/		1/8"	1	SPOT	85	1B		POT	85	Tomp.		iiiio	
1	52 3/8" ID 52 3/8" ID	6'-0 11/1 9'-6"	6"	SA-516-7 SA-516-7		1 1/3		1/8"	1	SPOT	85 85	1B 1B		POT	85			00000110011	
7. H	eads: (a)			SA-516		1		-170	'	(b)	1 00	LID			85				
nii i sasa	``	(Mat'l S	Spec. No.	, Grade or T		. – Time	& Temp		-	(6)	(Mat'l S	Spec. N	o., Grad	A-516-70N de or Type)	H.T. — ⁻	Time & Temp			
	Location (To Bottom, End		kness							nical Hemispherical			Side to Pressure		Catego		ory A		
(a)	END	1 1/16	Corr		- KI	nuckle	Ratio 2:1	Apex A	ingle	Radius	Diamet	er C	Convex	Concave	Туре	Full, Spot,	None	Eff.	
(b)	SH CVR C	YL 1 1/8"	1/8'	52 3/8'	x 12	15/16"	LG	R&\	Ν	CYL					1	SPO	r	85	
If rer	novable, bolts ι	used (describe	other fas	stening)				SA-	320-L	-7, 1 3/8" DIA	A, 52; SA-	194-7,	1 3/8"	HEX, 104					
ΩТ	ype of jacket									(Mat'l Spec	c. No., Grad	le, size,	No.)						
0. 1	ype or jacker	-						-	_ Jac	cket closure		(1	Describe	e as ogee &	weld b	ar etc)			
If	bar, give dime	nsions					-11-1									ted, describe	or sk	etch.	
9. N		600 ternal)	FV (external)	psiat m	ax. tem		400 nternal)	(exi	100 ternal)		n. design m	netal ten			- _ °Fal				
10.	mpact test _		YES, I	MPACT TE	ST SH	ELL HE	AD, CY	LINDER	S & 1	NOZ. REINF.	PADS			at test temp	erature	of5	0	_ °F	
11.	Hydro., #### .,#	######################################	229		ie yes o 39		Proof		impad	ct tested)									
	s 12 and 13 to t				,0		1 1001												
		SA-2	66-4N			55 1/2				5 5/8"			.125"			BOLTE	D		
		Stationary (N	lat'l Spec		. (subject	ubject to press.)			Nom. Thk., in.		Corr. Allow., in.			Attachment (welded or bolted)					
SA-266-4N Floating (Mat'l Spec. No.)					52" Dia., in.				5 5/8" Nom. Thk., in.			.125" Corr. Allow., in.			BOLTED Attachment				
13. Tubes: SA-334-6						1" 12 BWG (MI						989				STRAIGHT			
		lat'i Spec. No.		(1) I - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		O.D.,	in.		Nom.	thk., in. or gau		1	Number			Type (Straig		J)	
	s 14 – 18 incl. to			r chambers	f jacket	ed vesse	ls or cha	nnels of h	neat ex	xchangers.									
14. 8		of course(s):						of extremely party	all leng	gth (ft & in)				2'-2 1/1					
No.	Course(s) Diameter, in. Length (ft & in.)		in.) Si	Material Spec./Grade or Type			Thickness Nom. Corr.		Long. Joint (Ca			Circu	rircum. Joint (Cat. A, B pe Full, Spot, None		& C) Heat Tr Eff. Temp.		reatment Time		
1	52 3/8" ID	2'-2 1/16		SA-516-7		1"		1/8"	1	SPOT	85	1B		POT	85	1150		HR	
-	-						-												
15	leads: (a)		SA-266	6-4N, H.T.	HP @	115005				(b)		E40 =	ZON	T 0 4/4 ::	DO 6	445005	_		
, 0, 1	ioaus. (a)	(Mat'l		, Grade or T					-	(b)	(Mat'l S	3-516-7 Spec. No	o., Grad	T. 2 1/4 H le or Type) I	KS @ H.T T	1150°F ime & Temp			
	Location (To						Elliptica	1.25		Hemispherical				Pressure		Categor			
(a)	Bottom, End	s) Min.	Cor		n K	nuckle	Ratio	Apex A	ngle	Radius	Diamete		onvex	Concave	Туре	Full, Spot,	None	Eff.	

If removable, bolts used (describe other fastening) SA-320-L7, 1 1/4", 60; SA-194-7, 1 1/4" HEX, 120; SA-320-L7M, 1 1/4", 52; SA-194-7M, 1 1/4" HEX, 104 (Mat'l Spec. No., Grade, size, No.)

45 7/8" DR

X

(b) FLTG HD CVR 45 7/8"

1/8"

16.	(inte	00 rnal)	FV (extern	al)	max. temp. 400 (intern	nal) (external)	_		metal temp.	-50	_ °F at _	500/FV	_ psi.	
17.	. Impact test	YES, I	MPACT TE		D., CHAN CVR., To ate yes or no and the			NOZ. RE	INF PADS &	at test temp	erature of	-50	°F	
18.	. Hydro., ********.###	dddd do 1	test press.	18000000	(1997년 - 50명) : (1992년 1일 (1997년 - 1997년 - 1 1997	Proof test	•							
19	. Nozzles, inspecti	on and	l safety valv	e openings	1.5									
10.	Purpose (Inlet	T and	Diameter	Flange	Mat	erial	Nozzle Th	ickness	Reinforcement	How A	ttached	Location	on	
_	Outlet, Drain, etc.	No.	or Size	Туре	Nozzie	Flange	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Or	Vin Comment	
-	NLET/OUTLET	1/1	14"	300# WN	SA-333-6	SA-350-LF2CL1	SCH-60	1/8"	SA-516-70N	-	XX	CHANN		
1	NLET/OUTLET	1/1	10"	300# WN	SA-333-6	SA-350-LF2CL1	SCH-80	1/8"	SA-516-70N		XX	SHEL		
_	VENT	1	2"	300#LWN	SA-350-LF2CL1		.656"	1/8"		X		SHEL		
_	VENT/DRAIN	1/1	2"	300#LWN	SA-350-LF2CL1		.656"	1/8"		X		CHAN N		
	DRAIN	1	2"	300#LWN	SA-350-LF2CL1		.656"	1/8"		X		SHELL OU	TNOZ	
	. Supports: Skirt	(Y	es or No)	Lugs	(No.)	(No.)	thers	(2) SAD (Desc	ribe)	Attached	(V	DED TO SH Where and Ho		
	(List the name of Remarks: (X)	UW-1	em number, 16.1(d); (X) 011 B; CHA	mfg's. name a	fied and signed by Co and identifying number P1; SERVICE: PRC VR = 5 5/8" THK; (SHELL CVR FLG	DDUCTION HEATE	R; TYPE: A LL = 6 1/2"	ET; SIZI THK; SF	E: 52" x 28'; HELL FLG @ C	HAN = 6	3/16" TH			
	BE INSTALLE	D PE	R UG-125((a);					-					
Γ					CERTIF	ICATE OF SHOP	COMPLIAN	CE		8,410.5	7,000 T. V.			
	ASME Code	e for Pr	statements essure Vess thorization N	sels, Section V	eport are correct and t III, Division 1, 11979		in, material, c pires	onstructio		ship of this	vessel con	form to the		
	1000		% Name	-			· · · · · · · · · · · · · · · · · · ·	. 1		n +1	. (-	
	Date 6	11-0	Name	- H	ughes Anderson Heat (Manufacti				Representative)					
-					3300 P HD 27 600 JOSEP A				0 '	represente				
	and employed the pressure v Manufacturer I employer mak	by _ essel of has cor es any his emp	described in instructed this warranty, ex bloyer shall b	OneBea this Manufactu s pressure ves opressed or im	issued by the National con America Insurators Data Report on usel in accordance with plied, concerning the manufactor any perso (Authorized Inspired)	h ASME 60de, Section pressure vessel desconnal injury or property	Pressure Vess 2008 n VIII, Divisio ribed in the M	sel Inspector of, and stan 1. By signarufactur i loss of a	Lynn, te that, to the be- gning this certifica- er's Data Report. ny kind arising fro	Mass st of my knoate neither Furthermoom or conn	owledge ar the Inspec ore, neither ected with	tor nor his the this inspection		
					CERTIFICATE	OF FIELD ASSE	MBLY COM	PLIANC	E			19,	22	
	We certify that Code, Section U Certificate o	VIII, D	ivision 1,		correct and that the f		ection of all pa		vessel conforms					
	Date		Name				Sign	ned						
					(Assemble	er)		-		(Represen	tative)			
						E OF FIELD ASSE								
	and employed	by			issued by the National			of						
	have compare	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												
	inspected and or implied, cor	subjec ncernin	t to a hydros g the pressu	static test of re vessel desc	sembled this pressur	e vessel in accordanc By signing this certific turer's Data Report. F	e with ASME ate neither the urthermore, n	Code, Se e Inspecto either the	ection VIII, Division or nor his employ Inspector nor his	n 1. The de er makes a	escribed ve	ssel was y, expressed	aria	
1														
	Date		Signed		(Authorized Insp		Commis	sions	Nat'l Board incl. e					