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

			7.011	oquirea by							••••	,					
1. Mar	ufactured an	d certified	by Brow	n Fintube Cor	mpany, LP 12	2602 F.M.	529, Hou										
2. Mar	ufactured for	Hanove	er Compa	ny , 20602 81	st Street. Bro	ken Arow	OK . 740		and Addres	ss of Manufactur	rer)						
		71011011		71	71			lame and A	ddress of P	urchaser)						-1448	
3. Loc	ation of Instal	lation L	Inknown					/Ne	ame and Ad	ddraee)							
A Tun	n: Hori-	rontal		Heat Excha	ngor	0	16086 05		ame and Ad	NA NA		Soo E	Domarke	1772	7 - 1	7728	2006
4. Typ	e: Horiz (Horiz., vert		(Tank s	eperator, jkt. vess		06086-05-3-01- (Mfg's serial No.)								727 - 17728 2006 lat'l. Bd. No.) (Year Built)			
5. ASN	ME Code, Sec	ction VIII,	Div. 1	Edi	tion 2004			NA					NA				
					d Addenda (date	la ni or a		de Case No					ial Service p		1)		
Items	6-11 Incl. to b	e comple	ted for sir	ngle wall vess	els, jackets o					angers, or ch	nambe	er of multi-	-chamber	vessels.			
6. She	ll (a) No. of o	course(s):		Two	(2)	(t	o) Overall	length (ft	t & in.):				29'- 9	1/2"			
	Cours	e(s)	T	Mater	Thickr	ness	Lo	Long. Joint (Cat. A)			Circum, Joint (Cat. A, B & C)				Heat Treatment		
No.				Spec./Grade or Type		Nom. Corr.		Тур		II, Spot, None Eff.							Time
1	10.750" 26'- 8 5/8"			SA-333 Gr. 6		0.594"	0.0625"	NA		NA					100	NA	NA
2	10.750*	3 5	5/8"	SA-333 Gr. 6		0.594"	0.0625"	NA		NA	NA	B&C	*/	Full	100	NA	NA
							L						1				
7. Hea	ds: (a)			NA / NA			(b)					NA /	/ NA				
		(M	lat'l Spec. No	o., Grade or Type)	emp							ade or Type) H.T Time & T		Temp			
1 2	Location (Top.		kness		dius	Eliptical	Conic	NO 100 17 117	nispherica	20 50	Side to F					atagory A	
	ottom, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Apex /		Radius	Diameter	1	Convex	Concave	Туре	FL	ull, Spot, None	
(a)	NA	NA	NA	NA	NA	NA	_ NA	۱ .	NA	NA	-	NA	NA	NA	_	NA	NA
(b)			L	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	L					L	<u> </u>				$\perp$		
If remo	vable, bolts	used (des	cribe other	er fastening)	VI S					NA /	NA						
										at'l Spec. No., G	rade, S	ize, No.)					
8. Typ	e of jacket			NA.	\			acket clo	sure		-	/Descrit	NA be as ogee 8		etc.)		
If ba	ır, give dimer	sions					N	Δ				(DOSOIII				be or ske	tch.
				William State of Stat										-			~ 06
9. MA	14		NA		ax. temp.	130		NA	_°F	Min. design r	netal	temp.	-50	°F at		1440	psi.
10 lm	inter) nact test Na		(external)			(internal)	) (6	external)									
10	pact test No	o, on all in	iateriai pe	er UG-20 (I).		(ind	licate yes or	no and the	component	(s) impact tester	d)		-				
11. Hy	dro., <del>pneu</del> .,o	r <del>-comb</del> . te	est press		1875	PSI		F	Proof test	t			N	IA			
	12 and 13 to	be compl	eted for tu	ube sections.													
12. Tu	besheet:		SA-516 (					4.000* ress.) Nom. thk., in.			0.0625* Corr. Allow., in.			Welded Attachment (welded or bolted)			
Stationary (Mal'l Spec. No.) NA						NA			Nom. tnk., in.		Corr. Allow., In.			Attachment (welded or boiled) NA			
						a., in.	-		Nom. thk., in.		Corr. Allow., in.			Attachment			
						0.750*					85				U		
			. No., Grade			O.D., in.				in. or gauge			Numb	er		Type (Straig	ght or U)
	14 - 18 incl. t ell (a) No. of			inner chambe	100	d vessels		els of heat Overall le						NA			
11.01			———		NA			1			-			1111	-		
	Cours	7		Mater		Thickr	ness		ong. Joint				loint (Cat. /			Heat Trea	72.00
No.	Diameter, in.		(ft & in.)	Spec./Grad		Nom.	Corr.	Тур		Full, Spot, None El				Spot, None Eff.			Time
NA	NA	- N	A	N.	Α	NA	NA	NA	= = =	NA	NA	NA	-	NA	NA	NA	NA
	- /					-		-									
		1		NIA / NIA	1660		1	1				AIA	/ NIA				
15. He	ads: (a)	(N	lat'l Spec. N	NA / NA o., Grade or Type	) H.T Time & T	emp	(b)			(Mat'l S	Spec. N	NA / o., Grade or		Time & Te	mp		
L	ocation (Top,		Thickness		Radius		Eliptical Conical		nispherica		7 P. S. C. S.	Side to Pressure		Catagory A			
В	ottom, Ends)	Min.	n. Corr.	Crown	Knuckle	Ratio	Apex	Angle	Radius	Diameter	neter	Convex	Concave	Туре	F	ıll, Spot, N	one Eff.
(a)	NA	NA	NA	NA	NA	NA	N/	\ \ \	NA	NA		NA	NA	NA		NA	NA
(b)										National Contract	047724		No Sente Calcu				
If remo	vable, bolts	used (des	cribe othe	er fastening)	1					NA	\					231 - 10 SKC+7.2	

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

16. MAWP	144(		NA (ternal)	osi at max. temp.	130 (intern		°F Mi	n. design	metal temp.	-50 °F	at	1440 psi.			
17. Impact test			( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	gs. F. No, on all oth	er materi		e component(e)	impact tools	nd\						
18. Hydro., <del>pnet</del>	.,or <del>-o</del>	emb. test pr	ess	1875		olcale yes of no and the	Proof test	impact toste	au)	NA					
19. Nozzles, ins	pectio	n. and safet	v valve ope												
Purpose (Inlet,		Diameter	Flange	annige.	Materia	al	Nozzle T	hickness	Reinforcement	How A	Location				
Outlet, Drain, etc.	.) No. or Size		Туре	Nozzle		Flange	Nom.	corr.	Material	Nozzle Flange		(Insp. Open.)			
Inlet/Outlet	2	8"-600#	RFWN	SA-420-WPL6	3	SA-350 LF2	0.500"	0.0625"	Self	NA	Welded	To Tee			
								10,0000			170.000	10 100			
			1									1			
20. Supports: Sk		No Yes or No.)	Lugs	NA Legs	NA	Others	(3) E	(3) Brackets Attached To Shell & Movable							
Surface Per Exc Item No. E-201-	chang 20-A/	er: 966.8 S B / P.O. N	Sq. Ft. Ful No.: 423413	0"-Sch 80 LR 90 de I radiograph on shel 3 / Model No. 103	lside butt	welds capable of	· · · · · ·	ı	elds						
Drawing No. 06	086-0	5-3 C,P,	N (Rev. A)	, GA											
We certify that the ASME Con U Certificate of Date Feb.	de for of Auth	Pressure Vo	essels, sec o.	tion VIII, Division 1.	Il details of design  34  Be Company, LP  Ifacturer)	material, construction, and workmanship of this vessel conform to  Expires November 28 2006  Signed Representitive)									
				С	ERTIFIC	ATE OF SHOP IN	SPECTION								
I, the undersig	ned, l	holding a va	lid commiss	sion issued by The N	National E	Board of Boiler and	Pressure V	essel Ins	pectors and the Stat	e or Province	e of 7	TX.			
and employed	by _			HSB CT			of	.,	Hartford, CT.	have	inspected				
				facturer's Data Repo	-	1-28		T-mark	state that, to the bes						
employer mak	es an	y warranty,	expressed in any man	or implied, concerning ner for any personal (Author)	ng the pre lipjury or prized Inspe	essure vessel des property damage	or a loss of Co	Manufac any kind ommission	y signing this certificaturer's Data Report. arising from or conners (Nat'l Board incl.	Furthermore ected with thi	s Inspection	e Inspector			
We certify that	t the s	tatements o	n this repo	t are correct and tha	at the field	d assembly constr	uction of all	parts of th	his vessel conforms	with the requ	irements of	ASME			
Code, Section U Certificate of	VIII,	Division 1.				•			oires	,					
Date		Nam	е	No. 1 No.					Signed		-				
MATERIA, 417 4.4						facturer)				(Repres	sentitive)				
				CERTIFI	CATE O	F FIELD ASSEME	BLY COMPL	IANCE							
I, the undersig		nolding a va	lid commiss	sion issued by The N	National E	Board of Boiler and	l Pressure V	essel Ins	pectors and the State	e or Province	e of				
1997 72	_	statements	in this Man	ufacturer's Data Reg	oort with t	he described pres		and state	that the parts refere	d to as the d	ata items				
									e and by the best of						
and belief, the			constructe	d and assembled the	e pressur	e vessel in accord	lance with A	SME Coo	de, Section VIII, division	ion 1. The D	escribed ve	essel			
expressed or i	mplie	d, concernin	g the press personal in	ure vessel describe	d in this M	Manufacturer's Da	ta Report. Frising from o	urthermo	re, neither the Inspected with this inspection	ctor nor his e		all			
				(Autho	orized Inspe	ctor)			(Nat'l Board incl.	endorsement, S	tate, Province	and No.)			