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

1. 1	Manufactured and certified by CMS Heat Transfer Division, Inc. 55 Greene Street Bay Shore NY 11706 USA																					
2. 1	(Name and address of Manufacturer)																					
3. ((Name and address of Purchaser)																					
4.	(Name and address)																					
12.5	(Horiz., vert., or sphere) (Tank, separator, jkt. vessel, heat exch., etc.)													(Mfr	's serie	-						
N/A 10.19132.00 760 2007														7								
5	(CRN) (Drawing No.) 5. ASME Code, Section VIII, Div. 1 2004 Edition, 2006 Addenda											1)	Nat'l. Bd. No.)				(Year b	uilt)			
5. ASME Code, Section VIII, Div. 1 2004 Edition, 2006 Addenda none [Edition and Addenda (date)] (Code Case No.) [Special Se													ocial Sar	none	UG-120/	'd\)						
Items 6 - 11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchanger															-chambe			vice po	00-120	[0]]		
6. Shell (a) No. of course(s): 3										(b) Overall length (ft & in.): 23'-9.25"												
	Course	e(s)				Materia	1		Thick	ness	L	ong.	Joint (Cat. A)		Circur	n. Joint (Cat. A, B	& C)	Heat Tr	eatment		
No.	Diameter, in.	Lengti	h (ft &	in.)	Sp	ec./Grade	or Type	1	Nom.	Corr.	Туре	Full,	Spot, None	Eff.	Туре	Full, Sp	ot, None	Eff.	Temp.	Time		
2	24	1	0'-0"			SA-516 G	r 70		.500	.063	1		Spot	85%	1	S	pot	85%		-		
1	24	3'-	9.25"			SA-516 G	r 70		.500	.063	1		Spot	85%	1	S	pot	85%	•	-		
-									٠	٠				٠	•			٠	•	•		
7. 1	7. Heads: (a) SA-516 Gr 70 (b) none																					
	(Mat'l Spec. No., Grade or Type) (H.T Time & Temp)												Mat'l Spec. N	o., Gra	de or T	уре) (Н.Т	Time 8	& Temp)				
	Location (To	-	Thick	cness		dius	Elliptical		onical		lemispher	- 1	Flat	Sld	e to Pre			Category A				
-	Bottom, End		Min.	Corr.	Crown	Knuckle	Ratio	Ape	x Angl	0	Radius	_	Diameter	Conv	_	oncave	_		ot, None	Eff.		
(a)		+	500	.063	•		2:1	-		+		-		٠	-	Х	S		NE	85%		
(b)	-		-	•	-				-			*	•			•	• 1		•			
if rer	novable, bolts i	nseq (c	iescrit	e other	fastening)								none									
8.	Type of Jacket					none					Ma) Jacket ck		ec. No., Grad	e, size	, No.)		I/A					
	Type of Jacket closure N/A (Describe as ogee & weld, bar, etc.)																					
1	f bar, give dim	ension	s:						N//	4				,						or sketch.		
9. 1																						
12 1	(inter	nal)	-1.4	(exter	nal)		(inter			(exte	rnal)	•			-		7.6 77					
10. 1	mpact test						no per		_								at test te	mpera	lure of —	. °F		
11. 1	Hydro., presso,	OX EQ	mbc to	est pres	3.	(Indicate 825	s yes or no and Proo	the c		ient(s) impact	lested	3)		none	9						
	s 12 and 13 to I					020			-													
	l'ubesheet:			SA-516			2	4.375				2.7	750		.12	5			Bolted			
			Station	ary (Ma	t'i Spec. N	0.)]	(Dia., in. (sui	bject	to pres	ss.)]	(N	om. t	hk., in.)	orr. Allo	low., in.) [Attachment (welded or bolted)]							
	[Floati			ec. No.)]		- (Dia., In.)			(Nom	thk., in.))	(Cc	rr. Allo	w., in.)			(Attac	hment)			
13.	Tubes:	• •	100.0	SA-214			.750	0		,			83			17			U-type			
					le or Type		(O.D.,						In. or gauge)	-	(Nur	nber)		Туре (Straight or	r U)]		
			V2.1301.50502.11		er chambe		led vessels or c	hanne			The state of the state of											
14.	Shell (a) No.	of cou	urse(s)):		1			-		rall lengt	h (ft 8	k in.):				0'-8.875"					
	Course					Materia				ness			Joint (Cat. A)				Cat. A, B	-		reatment		
No.	Diameter, In.	_			Sı	oec./Grade		_	Nom.	Corr	-	Full,	Spot, None		Type	Full, Sp	ot, None	Eff.	Temp.	Time		
1	24	0'-	8.875"			SA-106	В	-	.375	.063	S		None	85%	·	-		ļ.				
Ŀ			•	-				_			+-	_		-		-	·	i ·	-			
Ŀ			<u>.</u>		-				•		1 -				L -			<u> </u>				
15. 1	Heads:(a)					-234 WPB				_	(b)	_				non	-					
(Mat'l Spec. No., Grade or Type) (H.T Time & Temp) (Mat'l Spec. No., Grade or Type) (H.T Time & Temp)												da-i	A STREET, SQUARE, SQUA	_	_		уре) (Н.Т					
	I Lancius em		Location (Top Thickness						onical	- 1 1	emispherical Flat		Side to Pressure			Category A						
Г		-	_		-	_	100000000	Ana	w Anal		Radius	,	Diameter	Con	VAV C	oncave	Type	Full Q.	ot None	Eff		
(2)	Bottom, End	is)	Min.	Corr.	Crown	Knuckle	Ratio	Аре	Ang!	8	Radius	3	Diameter	Con	_	oncave	-		ot, None	Eff. 85%		
(a)	Bottom, End END	is)	_		-	_	100000000	Аре	Ang!	8	Radius	3				X .	Type S		oot, None ONE	85%		

(Mat'i Spec. No., Grade, size, No.)

18. MAWI	P 150)			psl at max. temp.	600 -	°F	. Mln. de	esign metal temp2	20 °	Fat	150	psi.	
	(intern	al)	(exte	emal)		internal) (externa	1)			t toot tom	naratura r	.1	°F.	
17. Impac	ct test					per UG-20	- 1 t - t - D			it test tem	perature o	"	т.	
18. Hydro	O., BRHANG, B	K EGH	bx test pre	58.	(Indicate yes or noa 225 Pro	ind the component(s) import test	act tested)		none					
	les, inspectio			-										
Property and the same of the s	se (inlet,		Diameter	Flange		terial	Nozzle T	hickness	Reinforcement	How A	ttached	Location	n	
Outlet, I	Drain, etc.)	No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Flange	(Insp. Of	en.)	
I	Inlet	2	10	WN300#	SA-333 Gr 6	SA-350 LF2	.500	.063	SA-333 Gr 6	welded	welded	shell		
0	Outlet	1	10	WN300#	SA-333 Gr 6	SA-350 LF2	.500	.063	SA-333 Gr 6	welded	welded	shell		
1	Vent	2	3/4	6000#	SA-333 Gr 6	SA-350 LF2	.308	.063	none	welded	welded	shell		
	Inlet 1 4 WN300# SA-106B SA-105 .237 .063 none welded welded bonnet											A		
0	Outlet 1 4 WN300# SA-106B SA-105 .237 .063 none welded welded bonnet											ıt		
	-	-	-											
		-						-		-	-	•		
20. Suppo	orts: Skirt	-	no	Lugs	none Legs	2 Others	1	none	Attached		shell-v	relded		
0.5	-	(Y	es or nol	-	(No.)	(No.)		(Describe	9)		(Where a	nd how)	-	
the re	(Kd.) 21. Manufacturer's Partial Data Reports properly identified and eigned by Commissioned Inspectors have been furnished for the following items of the report: (List the name of part, item number, mfr.'s name and identifying number) Shell cylinder,SN-K1402-01-1, Made by Labarge Pipe & Steel Company,1300 N. Labarge Ave.,Wagoner,OK 74467													
511011	Cylinder, div	1170	2-01-1, 11100	o by Labar	go i ipo a otosi oompany	Troop in Essenge month	3							
22. Rema	rks: PO# 4	41719	98							-	.,			
	ment # E-22	-												
-														
-														
	-				CEDY	IFICATE OF SHOP CO	MALIAM	CE.						
We ce	artify that the	state	ments in thi	la report ar		ells of design, material, o			kmanship of this vessel					
1														
500.5500000	conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. U Certificate of Authorization No. 28,741 Expires 12/21/2007													
Date 7/12/07 Name CMS Heat Transfer Division, Inc. Signed School Signed														
	(Manufacturer) (Representative)													
						TIFICATE OF SHOP IN								
I, the	undersigned	, hold	ling a valid o	ommission	issued by the National B	loard of Boller and Pressi	re Vessel	Inspectors	and/or the State or Prov	rince				
	w York				d by OneBeacon Americ	And the second section of the second		of Bos	ston,MA				_	
have i	inspected the	pre:	ssure vessel	described	In this Manufacturer's Da	ata Report on	44	Z	2007				and	
						s constructed this pressu								
						employer makes any war							- 1	
						her the inspector nor his		hall be lial	ole in any manner for any					
perso				or a loss o	of any kind arising from	r connected with this insp	ection.		10 107/1	1 2	145	12		
Date	7/12/0	20	Signe	ed 🖊	1/6	My	Commi	sslons	NB 9376AM		/			
	/				(Authorized I	nspector			(Nat'l Board Incl. endors	ements, 5	state, Prov	ince and M	lo.)	
						TE OF FIELD ASSEM								
0.0000000000000000000000000000000000000	The state of the s					leid assembly construction	n of all pa	rts of this)				
requir	rements of A	SME	Code, Secti	ion VIII, Di	vision 1. U Certificate of	Authorization No.			Expires					
Date			Nam	10				Signe	d					
			_	-		(Assembler)			(Rep	resentativ	(0)			
		- Contraction		-		THE OWNER IS A SOPE	DI VINO	ECTION	1					
I the	underelener	hol	lina a valid i	commission	CERTIFICA	ATE OF FIELD ASSEM Board of Boiler and Press	ure Vessel	Inspector	s and/or the State or Pro	vince				
of -	นกษายายูกขน	, non		and employ		podia of policy and 1 1000			Material Print Statement (2000) Co					
-		_		illa ethpioj		have compared the s	atements I	n this Mar	nufecturer's Data Report	with the d	escribed p	ressure ve	ssel	
of -	state that par	to rot	orrad to an	data Items	_	, nave compared no c	3		not included in the certific					
and 8	oted by se	io (e)	the best of	my knowle	adna and ballef, the Many	ufacturer has constructed	and assen				500			
						is inspected and subjected							psl.	
						s any warranty, expresse								
By sk	gning this ce	Acce	te nemer tr	ie inspecto	Furthermore, neither the	Inspector nor his employ	er shall ha	llable in s	ny manner for any perso	nal				
							or otton po	Section in C	,					
5.5		oam			d arising from or connec	rea mini una mapaonom.	Comm	issions						
Date	-		Sign	-	(Authorized	Inspector)			(Nat'i Board Incl. endors	sements,	State, Pro	vince and	No.)	
1					Manionzea	epoore./							_	



FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured a	no ceranea a	by Lat	sarge Pipe	& Steel Co	mpany, 13		arge Avenue, and address o			74467				
2. Manufactured for	or CMS	Heat Trans	sfer Divisio	n , Inc.	55 (Greene St			Bay Shore	e, NY	11706			
3. Location of inst	allation	***************************************					UNKNOWN							
4 Tuner		CI	nell					402-01-1				A1/A		
4. Type: (D				(CRN)										
	N/A		K14	02			Labarge P	ipe & Steel	l Co.				20	07
(Nat1.	Bd. No.)		(Drav	ving No.)			(0	Drawing pre	pared by)				(Year	bullt)
5. ASME Code, Section VIII, Div. 1 2004 2006 N/A Edition and Addenda (date) Code Case No.											Special		/A per UG-120	O(d)
Items 6 - 11 incl. t	o be complet	ted for sing	le wall vess	els, jackets	of jacketed	vessels, si	hell of heat ex	changers, o	r chamber o	of multi-cha	amber ves	sels.		
6. Shell (a) No. of	course(s):		3	(b) Overall le	ength ft & i	n.:1@	23'-9 1/4"	!					
Cour		6 in Fno	Material c./Grade or Ty		hickness	Time	Long Joint (cum, Joint				eatment
No. Diameter, In 2 24" O.D.	10'-0"	SA!	516 GR70	/pe Nor		Type	Spot	85	5 1	S	pot,None pot	Eff. 85	Temp N/A	N/A
1 24" O.D.	3'-9 1/4	" SA!	516GR70	.500	0	1	Spot	85	5 1	Sı	pot	85	N/A	N/A
7. Heads: (a) _	(Mat	1 Spec. No.	Grade or T	vpe) H.T	Time & Tem		(b)	(Mai	t1 Spec. No.,	Grade or T	vpe) H.T.	- Time !	& Temn	
Leastles /Tos					-		Lumbahad				1,			
Location (Top Bottom, Ends		Corr.	Crown	Knuckle	Elliptical Ratio	Conical Apex Angle	Hemispheri cal Radius	Flat Diameter	Convex	Pressure Concave	Туре		tegory A Spot, None	Eff.
(a) (b)	-					-						-		
If removable, bolts 8. Type of jacket					7.7.41		(Mat		, Grade, Size	e, No.)	ogee & we	eld, bar,	, etc.)	
If bar, give din	nensions										If	bolted	describe o	r sketch.
9. MAWP	rnal)	(external)	ps	i at max. te	mp	ernal)	(external		n, design me	tal temp.			at	
10. Impact test	No							st temperat		None				
					(indica		o and the comp	onent(s) im	pact tested)					
11. Hydro., pneu.,	or comb. te	st press.				Proof tes	st							
Items 12 and 13 to	be complete	ed for tube	sections.											
12. Tubesheet:	Stationary (M	lat'i Spec. N	0.)	Dia., In. (sub	ject to press	.)	Nom. thk., in	1,	Corr. Alle	ow., in.	Att	tachmer	nt (welded o	r bolted)
Floating (Mat'l Spec. N	0.)		Dia., In.		N	lom. thk., in.		Corr. Allo	ow., in.		/	Attachment	
13. Tubes:	at'l Spec No.,	Grade or Ty	pe	O.D.,	in.	Non	n. thk., in. or ga	auge	Num	ber		Туре	(Straight or	U)
Items 14 – 18 incl.	to be comple	eted for inn	er chambe	s of jacket	ed vessels o	r channels	of heat excha	ngers.						
14. Shell (a) No	of course(s)):				(b) Over	all length (ft &	in.):						
Cour	se(s)		Material	1	hickness		Long Joint (Cat. A)	Circ	um, Joint ((Cat. A. B	& C)	Heat Tre	atment
No. Diameter, in		& in. Spe	c./Grade or Tr			Туре					oot,None	Eff.	Temp	Time

Form U-2 (Back)

15.	Heads (a) _	/4	Intil Coop	No Grade	e or Type)	HT Tim	e Tomo	(b)	/44-	at'l Spec. No.	Grade or	Tuna \ H T	- Time 8 T	ama	
	Location (Top,		ness	1000	dlus	Elliptical	Conical	Hemispherical	Flat		Pressure	ype) n.ı	Catego		
	Bottom, Ends)	Min.	Corr.	Crown	Knuckle	Ratio	Apex Angle	Radius	Diameter		Concave	Туре	Full, Spot		Eff.
(a)								-	-	-	-		-		
	movable, bolts us	ed (descr	ihe other	fastenina)											
11 16	movable, botts us	co (acsar	ibe outer	rusterning)				(Ma	t1 Spec. No.	, Grade, Siz	e, No.)				
16.	MAWP		(externa		psi at ma	x. temp	(internal)	(externa	°F M	in. design me	etal temp.		°F at		psi
	(interna	11)	(externa	31)			(internal)	(externa	nl)						
17.	Impact test		99 B		<u> </u>										
								r no and the com					8 1		
	Hydro., pneu., or		3.55					Proof test				-			
19.	Nozzles, inspecti	on, and sa	afety valve	e openings	s:										
Γ	Purpose (inlet, Outlet, Drain, et			lameter Or Size	Flange	Nozak	Material Flange	Nozzle Thic		Reinforceme Material		How Attack		Locati (Insp. O	
	Odtiet, Dibili, et		0.	71 0,20	Турс	IVUZZR	- I lange	IVOIII.	COIL	Traterial		210	range	(4115pt. O	perny
-						-									
		T.										_			
		7		-			7								
							- 1								
-		Į.										1.			
						J									
20.	Supports: Skirt	Nee	or No)	Lug	(No.)	Le	gs (No.)	Others		(Describe)		Attache		ere and I	How
2.2					(140.)		(110.)		3	Describe			(wiii	ere and i	iony
21.	Remarks: FOI	RINFORM	MATION (ONLY:	1)										
					nis item ha		en								
	qua	ilined in a	post we	io neat tr	eated con	aition.									
	Ce	rtified to	material	& workma	anship onl	у.									
	P.	0. 4741	4												
		-													
Г					05	DZIEVO	AVE OF CU	on/Evel b /	OMDI VA	NCE					
								OP/FIELD (
1	Ve certify that the	e statem	ents made	le in this	report are sels. Sectio	correct a	nd that all de ivision 1.	talls of materia	il, construct	tion, and w	orkmanshi	p of this	pressure ve	essel par	t
	Certificate of A			Auto vos	11,876		Expires		July 19	-	79 /		2007		Management of the Contract of
1,	Date 5-25-07		Name		La	Baroe Pin	e & Steel Co	mpany	Sign	ed T	elico	the	いけん	· ·	
`	, dic		_ '''				nufacturer)			7,	(Repres	entative)		
		-	***************************************		CE	DITTER	ATE OF CL	OD/EVELD	MCDECT	ron.	-	,	1		
			100					IOP/FIELD			LAN - Chaha	Decide		N. 1 - 1	
- 31 - 3	, the undersigned and employed by	, holding	a valid co	mmission		The Nation		oller and Pressu	re vesser in: of		C T	or Provinc		Oklahom spected	-
10	ressure vessel pa	rt describ	ed in this	Manufact	urer's Data	Report or	May 25th	, 20	07 , and	state that,	to the best	of my kn	owledge and	d belief,	the
1 1	Manufacturer has his employer make	es anv wa	rranty, ex	pressed o	r implied, o	conderning	the pressure	vessel part dese	cribed in this	Manufactur	er's Data P	eport. Fi	urthermore,	neither	the
1	nspector nor his	employer	shall by li	able in any	manne	or ally per	sonal injury o	r property dama	ge or a loss	of any kind	arising fro	m or conn	ected with t	this inspe	ection.
1	Date 5-25-07	Si	gned	Un	1	1/) .	Commis	sions (K#697					
1	0 20 07		5,100	-0	(Authori	zed Inspe	ctor)	-		nt'l Board in	cl. endors	ement, St	tate, Provin	ce and I	Vo.)
1															