## FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop-Fabriciated Vessels Only
As Required by the Provisions of the ASMF Code Rules, Section VIII, Division 1

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1.	Manufact	ured a	nd certi	fied by	AIR COO	LED EX	CHANGERS		C. ONE	ACE AVE.	BROKEN A	ARROW, OK	C. 74013	
2.	Manufactured for WATERFLOOD SERVICES PO BOX 1490 ESTEVAN, SASKATCHEWAN S4A 2L7									S4A 2L7				
3.	Location of installationUNKNOWN													
						(Name and address) 2-3 M-5200,23 01012-H					20	2001		
4.	4. Type VERTICAL Horiz or vert., tank)			Ødigr's serial			(Drawing No.)		wing No.)	(Nat'). Bd. No.)		(Yest built)		
5.	5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII Division 1													
	to					NONE					NONE Special Bervice per UG-120(d)			
Tul	ube & Plug SA-516-70				Code Casa Nos 1" 1/16"				5	5-1/2" 1'-2-7/8"				
6.	Shell: -	H: SA-510-70									I.D. (ft. & in.)		Length (everall ) (fr. & in.)	
7.	Seams: .		IGLE BEVEL		NA		NA N		N		NA rth (Welded, Obl.,	NA R.T. 66pot. Par	NA No. of Courses	
8.	Lang. (Welded, Dbl., Sngl., Lep. Butt) 8. Heads: (a) Matl				SA-516-70 (Spec. No., Grade)		Eff. (%) H.T. Temp.		(°F) Time (hr)		SA-	-516-70 or Full)		
	Location	Man	Minin	num C	Corrosion Corrosion	Crown	Knuckie	T	Elliptical	Conical	Hemispherical	Fiat	Side to Pressure	
	Bottom,		Thlok	ness Al	lowance	fladius	Redius		Ratio	Apex Angle	Radius	Diameter	(Convex or Concave)	
(6	ENT		1/2		1/16" 1/16"	NA NA	NA NA	-	NA NA	NA NA	NA NA	4"	NA NA	
(b							1471	<u> </u>			1 L			
	if removable, bolts used (describe other fastenings)													
9.	MAWP			-20	250	250	0		x. temp		23	3 325	°F	
40	Min. desig				°F at		pai. 11y			<del>nb.</del> test pressui ROVIDED I	ELSEWHERE		psi.	
	Purpose		No.	Diam.	Type		Mail.		Nom, Thk.	Rein	forcement Mati.	How Attached	Location	
	N/OUTL				PIPE		SA-106B				RIAL & WELD UWI			
			2	2"	RFWN		SA-105		150#	MATER	MATERIAL & WELD			
-					<u> </u>	ļ				-				
L			N	0	2		0 0.55	1	NA		Attached	TUBESHEET	/WELDED	
11.	Supporte	: Skirt	(Yes o	Luge.	(No.)	Legs	(No.)		(Describ		Attacilou	(Where and	how)	
12.	Remarks	Manu	facturer )NSTR	's Partial Da	ata Reports pro N CONFOR	perly ider MANCE	ntified and sign	ed by	Commission IX 28, IM	oned Inspecto IPACT EXE	rs have been fur EMPT PER U	nished for the form $G-20(1)(1)(b)$	ollowing items of	
	•		) SA-2		5/8" OD	(N	.060" MW	er, Mfgr'i	6' LON	Itying stamp)	RAIGHT TYI			
	PLUC	S:(88	) SA-1	105 SH	OULDER									
Γ						CER	TIFICATE OF	SHO	P COMPLI	ANCE				
	We certify	that t	he state	ments made	e in this report						natruction, and v	workmanship of	this vessel con-	
	We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII. Division 1. "U" Certificate of Authorization No. 2016 expires 4/30 .20 02 AIR COOLED EXCHANGERS, INC.													
_	Date (Representative) (Representative)													
	Vessel constructed by AIR COOLED EXCHANGERS, INC. BROKEN ARROW,													
	I the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of COMMERCIAL UNION INSURANCE CO. BOSTON, MASS.													
	have inspected the component described in this Manufacturer's Data Report on 2-24, 20-4, and state that, to the best of													
my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing														
this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manu-														
facturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or competed with this inspection.														
Date 3-24.0 Signed Signed Commissions 18.843.4 Ok. 26.6  [Nat'l Board fine] Frow lend No.]														