FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. N	Manufactured and	l certifi	ed by	NOR	THERN	NDESIGN S	ERVICES,					LKAS	KA,M	1 4964	5		
(Name and address of Manufacturer) 2. Manufactured for NATURAL GAS COMPRESSION SERVICES, INC 2480 AEROPARK DR. TRAVERSE CITY, MI 49686																	
3. Location of installation UNKNOWN (Name and address of Purchaser)																	
4. Type HORIZ. PULSATION 11468 - 20PT34BC380 5807													2011				
	(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built). The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE N														1)		
															ID PRI	ESSURE \	/ESSEL
C	ODE. The design			and	workm	ianship coni	form to ASI	ME Rules, S	Section VIII	, Divis	sion 1			Ye			
to			NO pplicable (datell				Code Case num	h a sa\				(C1-1	-			
6: S		SA-10		GG(E/)	.375" -				19.25"				[Special service per UG-120(d)] 30"				
0. 0	(Material		mber, grad			ominal thicknes		orr. allow.)	(Inner diameter)						[Length (overall)]		
7. Seams SMLS - 85 WELDED, SINGLE BUTT - [Long. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (H.T. temp.) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R.T. (spot														0	1		
														., %) (No. o	f courses)		
8. Heads: (a) Material SA-516 GR70 (b) Material SA-516 GR70 (Spec. no., grade) (Spec. no., grade)																	
	Location (Top,	Minimum		Corrosion		Crown	Knuckle	Elliptical	Conical		Hemispherical		Flat		Sir	de to Press	ure
Γ (.)	Bottom, Ends)		Thickness		owance	Radius	Radius			gle	Radius		Diameter		(Convex or Concave)		
(a) (b)	LEFT RIGHT		.2203"		-	-	-	2:1				-		CONCAVE			
•													- CONCAVE				
If removable, bolts used (describe other fastenings)(Material spec. number, grade, size, number)																	
9. MAWP 272 N/A at max. temp 150 N/A																	
(Internal) Min. design metal temp20						(External) 272				(Internal)			1	(External) PROOF TEST: N/			,
	ın. design metai i ozzles, inspectior	•			at _	· · · · · · · · · · · · · · · · · · ·	Hydr	o.,)(XX)X(XX)X	ixxxxxxixix tes	st pres	ssure 3	54 PS	<u> </u>		KOOI	r IESI:	<u>-N/A</u> .
	Purpose	, and	Diame		Оренн		erial	Nozzle 1	Thickness	Poin	forcement	Atta	chme	nt Deta	ils	l a a a st	
(Inlet,	Outlet, Drain etc.)	No.	or Siz			Nozzle	Flange	Nom.	Corr.	Reinforcement Material		Attachment Det Nozzle Fla		Flan	Location		
INLET		1	6"-150	0#	RFWN	SA-106B	SA-105	.432"	-	SA-36		UW-1	W-16.1(c) TYPE		1	L. HE/	AD
OUTLET		1	8"-300		RFWN	SA-106B	SA-105	.500"	 				6.1(c) TYPE 1		1	SHELL	
T,I		1	1/2"FN	PI	1.O.L.	SA-105		3000#			NHERENT UW-		16.1(a) -			SHELL	

					**********	**************************************						***************************************					
11. Sı	upports: Skirt	NO	Lugs		-	Legs	Othe	er	-		Attached				-		
12. Re	۲۶) marks: Manufact	es or no) turer's	Partial [Nu) Lata	ımber) Report	(Nun	nber) dentified ar	nd eigned b	(Describe)	ciono	d Incocator	o boy	a haa	(Whe	re and h	now)	
	ms of the report:		, artial E	Juliu								Silav	e bee	n turni:	snea	or the fol	iowing
(Name of part, item number, Manufacturer's name and identifying stamp)																	
FOR NON-LETHAL/NON-CORROSIVE SERVICE. EXEMPT FROM IMPACT TESTING PER UG-20(f) AND UCS-66(c)																	
			***************************************			CEDTIEIC	ATE OF CL	OP/FIELD	CONADLIAN	ıcr						······································	
We c	artify that the eta	tomon	te mada	in th	nie rone												
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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 33.792														essel			
expires 02/05/12																	
Date 16 7/4 Co. name NORTHERN DESIGN SERVICES,INC. Signed P.KALTENBACH Q.C																	
(Manufacturer) (Representative)														[
CERTIFICATE OF SHOP/FIELD INSPECTION																	
Vess	el constructed by	, NO	RTHER	V DE	SIGN	SERVICES,I	NC.		at 424	E. DF	RESDEN S	T. KA	LKAS	KA,MI	49646	3	
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 MICHIGAN and employed by HSB CT																	
have inspected the component described in this Manufacturer's Data Report on 10/4/1/ , and state that,																	
to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE																	
VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or																	
implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer													loyer				
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Date 10/7/// Signed																	
Date.	וודוסנ	Signed	1	w	- <u>-</u>	uthorized Inspec	etor)		Commissio	1115	ational Board (mbas'
					•		•			11.40	Dooru		40136111	untaj, uto	.0, 1101	mice, and nu	uneil