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. M	Manufactured and certified by NORTHERN DESIGN SERVICES, INCSHOP 424 E. DRESDEN ST. KALKASKA,MI 49646 (Name and address of Manufactures) (Name and address of Manufactures)														
	(Name and address of Manufacturer) 2. Manufactured for NATURAL GAS COMPRESSION SERVICES, INC 2480 AEROPARK DR. TRAVERSE CITY, MI 49686														
3. Lc	3. Location of installation UNKNOWN														
	4. Type HORIZ. PULSATION 11472 - 12PB45BC380 5803											2011	*·····································		
	(Horizontal or v	ank) (Mai		erial number)			(Drawing number) (1		lational Board number)						
												ER AN. 20		ESSURE \	/ESSEL
to	CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1														
[Addenda, if applicable (date)] (Code Case numbers) 6 Shell SA-106-B .375" - 12"											[Special service per UG-120(d)]				
6. Sł			nber, grade) (N	.375" Iominal thickness	orr. allow.)				. —			O" (overall)]		
7. Seams SMLS - 85 WELDED, SINGLE BUTT - [Indeed, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (H.T. temp.) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (R.T. (spot or full)] (R.T. (spot or full)] (R.T. (spot or full))												7	0	1	
CA 546 CD70 OA 540 CD70 Or full)]														courses)	
8. Heads: (a) Material SA-516 GR70 (b) Material SA-516 GR70 (Spec. no., grade) (Spec. no., grade)															
Location (Top, Bottom, Ends)		Minimum Thickness		Corrosion Allowance		Knuckle Radius	Elliptical Ratio	Conical		Hemispherical Radius		Flat		Side to Pressure	
(a)			125"	-	- Itaulus	- Taulus	2:1	Apex Ang	ne Radius	+	Diameter ((Convex or Concave) CONCAVE		
(b)	RIGHT		25"	-		-	2:1	-	-	-			CONCAVE		
If removable, bolts used (describe other fastenings)															
9 M	AWP	645			N/A		at may tan		spec. number, grade 350	e, size, nu	mber)		N	√A	
(Internal) (External) (Internal)										(External)					
	n. design metal t zzles, inspectior				645	Hydr	o., XXXXXXX	ixòxòxòxòx tes	st pressure	39 PSI	l	Р	ROO	F TEST:	<u>N/A</u> .
10. 140	Purpose	i, aiiu	Diamet			terial	Nozzle 7	Thickness	Reinforcement	Atta	chmei	nt Detai	ls l	Location	
(Inlet, Outlet, Drain etc.)		No.	or Size	Туре	Nozzle	Flange	Nom.	Corr.	Material		Nozzle Fla			(Insp. Or	
INLET OUTLET		1	5"-400			SA-105N		-	SA-106-B		UW-16.1(c) TYP			SHEL	
	T.I		4"-300;	FRFWN	SA-106B SA-105	SA-105	3000#	-	SA-36 INHERENT		N-16.1(c) TYPE N-16.1(a)			R.HEA SHEL	
	P.I.		1/4"FNF		SA-105	_	6000#	_	INHERENT	1	UW-16.1(a)		SHELL		
	***************************************								***************************************	<u> </u>					
11 0	manda, Cliint	NO			•	- 011		<u> </u>		<u> </u>					
11. Su	pports: Skirt(Ye	s or no)	Lugs	(Number)	Legs (Nur	Oth∈ nber)	er	(Describe)	Attached	·····		(Wher	re and h	now)	***************************************
	marks: Manufact ms of the report:				ts properly i	dentified ar	nd signed b	y Commiss	sioned Inspecto	rs hav	e beei	n furnis	shed 1	or the fol	lowing
1161	•			(N	ame of part, iter	n number, Mar	ufacturer's nar	me and identify	ving stamp)	10.00/			20/)		
FOR NON-LETHAL/NON-CORROSIVE SERVICE. EXEMPT FROM IMPACT TESTING PER UG-20(f) AND UCS-66(c)															
					CERTIFIC	CATE OF SH	IOP/FIELD	COMPLIAN	ICE		· · · · · · · · · · · · · · · · · · ·				
We ce	ertify that the sta	temen	ts made i	n this rep	ort are corre	ct and that	all details o	of design, n	naterial, constr	uction,	and v	vorkma	anshi	of this v	essel
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															
NODTHEDNI DESIGNI SEDVICES INC.															
Date Co. name NORTHERN DESIGN SERVICES,INC. Signed P.KALTENBACH Q.C (Representative)															
Vesse	CERTIFICATE OF SHOP/FIELD INSPECTION Vessel constructed by NORTHERN DESIGN SERVICES,INC. at 424 E. DRESDEN ST. KALKASKA,MI 49646														
	undersigned, hol IIGAN	lding a	valid cor	nmission	issued by the		Board of Bo		essure Vessel In	specto	rs and	or the	State	or Provin	ce of
	inspected the co	mpon	ent descr	ibed in th	is Manufact				///					and state	that,
	best of my know												ER A	ND PRES	SURE
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															
	oe liable in any n														loyer
Date -	1017///	Signed	(al &	Helt			Commissio	ns NB142	99 1	7 17	I 30	90 f	911	
				()	Authorized Inspe	ctor)			[National Board	l (incl. en	dorsem	ents), Sta	te, Prov	vince, and nu	mber]