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

Manufactured and certified by NORTHERN DESIGN SERVICES, INCSHOP 424 E. DRESDEN ST. KALKASKA,MI 49646														
(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. Ty	De VERT. FUE			1147		_	(Name and add 6FB2AC		_			2011	
	(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)													
	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 2010													
CC	טטב. The design,			ana workn	iansnip con	iorm to ASI	VIE Kules, S	ection VIII	, Division 1			ear		
to	abbA1		pplicable (d	atali		10	ode Casa numi	horal		IC===			1201.01	
6. Shell SA-106B .280"						,,,	6.065"	[Special service per UG-120(d)) 52"						
(Material spec. number, grade) (Nominal thi					ominal thicknes						(Length (overall))			
7. Seams SMLS 85 - 85 - WELDED, SINGLE BUTT - 70 1 [Icong. (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 (Eff., %) (No. of co.														
0 U.					SA-105				_	, lap, butt))	or full)]		ff., %) (No. of courses)	
8. Heads: (a) Material SA-105 (b) Material SA-234 WPB or full) (Spec. no., grade) (Spec. no., grade)														
	Location (Top,		imum	Corrosion		Knuckle	Elliptical	Conical	Hemisphe	rical	Flat	Si	ide to Pressure	
	Bottom, Ends) Thickness			Allowance Rad		Radius	Ratio	Apex Ang	de Radius	Di Di	ameter (Co		nvex or Concave)	
(a)	TOP		NSI		-	-	-	-	-	6'	'-150#	FLAT		
(b)	воттом		18"			•	2:1	-	-		•		CONCAVE	
If removable, bolts used (describe other fastenings) 6"-150# SA-105 BLIND IS ATTACHED W/(8) 3/4"X 4-1/2"SA-193 B7 STUDS AND (16)SA-194 2H NUTS														
9. MAWP 150 N/A at max_femp. 150 N/A														
(Internal) (External) (Internal) (External)														
	n. design metal t			ч.		Hydro	o., jenojena ka	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	st pressure _		1	195		
10. No	zzles, inspectior	, and	safety va	lve openii			······································	**************************************	 					
Purpose (Inlet, Outlet, Drain etc.)		No.	Diamet or Siz			terial		hickness	Reinforcement		nent Deta		Location	
imer, Odner, Oram etc.)		110.	UI SIZ	3 1900	Nozzle	Flange	Nom.	Corr.	Material	Nozzle	Nozzle Flar		(Insp. Open.)	
PI		1	1/4"FN	PT TOL	SA-105		6000#	-	INHERENT	111111111111111111111111111111111111111	16 1/2)		TOP HEAD	
DRAIN		1	1/2"FNI		SA-105	-	3000#	_	INHERENT	UW-16.1(a			SHELL	
RELIEF		1	1"FNP	T TOL	SA-105	-	3000#		INHERENT	UW-16.1(a			SHELL	
FUEL OUT		1	2"FNP	T CPL	SA-105	-	3000#	-	INHERENT	UW-16.1(c	W-16.1(c)		SHELL	
FUEL IN		1	2"FNP		SA-105		6000#	<u>-</u> ·	INHERENT	UW-16.1/d	UW-16.1(c) -		SHELL	
11. Su	pports: Skirt	YES s or no!	Lugs	(Number)	Legs	Othe	г		Attached	BC			WELDED	
12. Rei				(Number) ata Report					signed Inspecto	rs have b	Wh) en fura	ere and ished	for the following	
	ns of the report:											101100	TOP LITE TOHOWING	
(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)														
1-11	- TORN	J14-EE	I I I I I I I I I I I I I I I I I I I	211-00101	OOIVE OLIC	VIOL. LALI	VIET EROW	IIVII-ACT	IESTING FER	UG-20(I) A	ND OC	3-00(0	<u>, , , , , , , , , , , , , , , , , , , </u>	
					CEDTICH	CATE OF CU	OB/EIE D		(CE					
Mo oo	rtifu that the ata					CATE OF SH								
confo	rtify that the statement of the ASME A	ternen RON FF	ES MAGE LAND PR	ESSURE V	DECKET CODE	ct and that E. Section V	all details d	of design, r 1 "11" Can	naterial, constr tificate of Autho	uction, and	d workm	ianshi	ip of this vessel 33.792	
conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 33.792 expires 4 02/05/12														
9/71 h NORTHERN DESIGN SERVICES INC. DIVALTENDA CHOO COMMITTED DE LA TENDA CHOO COMMITTE DE LA TENDA CHOO CHOO COMMITTE DE LA TENDA CHOO CHOO CHOO CHOO COMMITTE DE LA TENDA CHOO CHOO CHOO CHOO CHOO CHOO CHOO CHO														
Date Co. name NORTHERN DESIGN SERVICES, INC. Signed P. KALIENBACH Q.C (Representative)														
					CERTIFI	CATE OF SH	IOP/FIELD	INSPECTIC)N		·····			
CERTIFICATE OF SHOP/FIELD INSPECTION Vessel constructed by NORTHERN DESIGN SERVICES,INC. at 424 E. DRESDEN ST. KALKASKA,MI 49646														
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 i	nspected the co	mpon	ent desc	ribed in th	is Manufact			7 - 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 shall be liable in any manner for any personal injury opproperty damage or a loss of any kind arising from or connected with this inspection.														
	413111		/)	personal ii	njury et proj	perty damag			110 1110	or connect	ed with	this in	spection.	
Date_	1/2///	Signe	1	م ما	Authorized Inspe	etor)	(Commissio		I (incl. endors	<u>ی برا</u> ۱۶ (etnoma	tate Po	ovince, and number)	
			V						, 000,00000	41581413		vara) FIS	enios, and numbers	