CEL Qua	lity Servi	ices Ltd	1.	,			Tel: (40	3) 845-5881	1 • (403) 844-3341						
*	Pressure Equipmer	nt Inspection					REPORT								
Type of Inspection		TALLATION		Z EXTERN	AL	☐ INTE	RNAL	☐ IN SERV				ERVICE		VENTORY	
Date:	28/Mar/2022			Job #:				*all measurements are in inches unless otherwise stated *ns-not stated *na-not applicable							
Inspected By:	Ben Piers			CEL Job #:	<u> </u>										
Client:	Pipestone Ene	rgy Corp.						Pre Purchase Inspection							
Owner:	Pipestone Ene	rgy Corp.						PO# E22-191-PO-01							
Region:	Alberta							Service PSV prior to r	returning to service	3					
Area:	Sunchild		Location/	Surface:	01-04-044-11	Lw5									
Facility:	Compressor		LSD:	UWI/DH:				NB # 1510							
Service:	Sweet		if other de	scribe:]							
Description:	☐ Vessel	✓ Excl	nanger [☐ Tank	☐ Furna	ice 🗌 E	Boiler								
Unit #:	BU-640		Equip #:	ns											
Equip. Name:	Exchanger		Equip. Type:	Shell and Tu	ube Exchanger			1							
Jurisdiction #:	ns		CRN:	V7416.2											
Manufacturer:	Vahterus							Diameter OD (in):	18			Height/Len	igth (in):	42	
Serial No.:	30606				Year Built:	2012		☐ PSV on Vesse	el		☑ Pi	ping			
Volume:	ns					PSV Data:	☐ Isolati	ion Valve(s) Installed	d 🔲 Car	r-seale		☐ CRN:			
Zones:	MAWP	Des. T	MDMT	Op.P	Op.T	Set P	Tag #	Manufacturer	Serial No.	In	Out	Capacity	Serv. Co.	Serv. Date	
Shell Side:	150	450	-20	0	60	150	27129R	Crosby	C12-10724	1	1	26.7	RMV	Apr. 17, 2015	
Tube Side:	ns	ns	ns	0	60	150	27120R	Crosby	C12-09547	1	1	26.7	RMV	Apr. 17, 2015	
Units	PSI	F	1	PSI	F	PSI		,				GPM		, , , , , , , , , , , , , , , , , , , ,	
Components:		Nominal (in)	Sgl./Dbl/		Calc. Trim	Retire t	CA (in)	UT TML	Lowest t	Acc.	Ret.	Dia. (OD),(in)	RT	нт	
Shell:	ns	ns			care. Trimi	neure	ns		0.401	√	П	1		ns	
Head:	ns	ns	\vdash	\vdash	\vdash		ns	00	0.401		Н	18	113	113	
Tube/Coil:	113	113	 	$\vdash \vdash \vdash$		-	113	 		H	H	10			
Channel:	 	 		$\vdash \vdash \vdash$		 	 	 		H		 			
Other	 		\vdash	 	 	 	 	 		ዙ	∺	-			
	Dout	Port Size (in): 4 Davit Arm Present Davit Arm Greased Double Nutted Condition:													
Manway/Port:	Port	Size (in): ement pads u						Comment:	_	Nutte	u	Condition:			
Nozzles:		ell supported				oles Present									
				rains prop	✓ Joining a	✓ Well			Secure and intact						
	✓ PSV Pipir ✓ Inlet Pipi	_							Comment: Secure Comment: Secure						
				ree from le ree from le		✓ Well		Comment: Secure							
Piping:	✓ Outlet Pip			ree from le		✓ Well									
	☑ Drain Pip				Free from lea		Coateu	Comment:							
		entation Pipin	-						Secure and intact						
		Fluid Identific			Flow direction			Comment:							
	✓ Manual Is				Free from lea			Comment: Acceptable, no leaks noted							
Valves:	✓ Automate				Free from lea	aks		Comment: Acceptable, no leaks noted Comment: Acceptable, no leaks noted							
		d Drains Plug	-	-				Comment:	Acceptable, no lea	ks note	3 a				
Gauges:	✓ Pressure		contactions	Clear and i											
	✓ Tempera			Clear and i	intact x1										
Sight Glass:	☐ Fluid Lev	el		None											
Orientation:	Horizontal		Foundation:		Concrete	☐ Gravel	Tim	ıber ☑ Stee				Skid secure and		les	
	✓ Saddle		Seal-welded		Free to move	3			Condition:	Bolted	to skid	floor, secure an	id level		
Support:	Skirt		Free of debri		Comment:				Condition:						
	Hangers	L	Secure		Comment:			Condition:							
	☐ Other		Specify:						Electrical Ground			irect 🗸	Indirect	☐ None	
Overall:	General condi		Suitable for co						Condition:	Accept	table				
Ext. Surface:	☐ Painted ☐ Insulated ☐ Fire-proofed ☑ Cladded ☐ Other: Condition: Cladding is acceptable, no damage noted														
Ext. Fixtures:	☐ Ladder ☐ Platform(s) ☐ Other: Condition: None														
Int. Surface:	☐ Coated	Line	ed 🔲 T	Thermal sp	rayed	☐ Cladde		Wielded overlay	Condition:	Extern	al Inspe	ction Only			
Int. Fixtures:	☐ Baffle	☐ Floa	at 🗌 Ir	mpingeme	ent	☐ Weir	□ \	Vortex Breaker	Condition:	Extern	al Inspe	ction Only			
Recommended Ac	tions:													NCR#:	
Both PSV's mu	st be serviced	d prior to re	eturning to se	ervice.											
Summary Co	mment:	Vessel found	d to be acceptab	le for serv	ice.			Inspection	interval:	Set by	Chief In	spector			
	Additional	notes on cont	tinuation page:	✓	Report No.	See nevt na	oge.		Quality	Check:					
E	quipment is su	itable for conf	tinued service:	\checkmark	report NO.	See next pa	P~		Signature of Insp	ector:		Ben Piers			
		Inspector	Certificate No:	IPV #0007	70]	Received by:	(print)					
Terms and Condition	ons: Refer to "	Scope of Servi	ices" and "Stanr	dard of Car	e"		Received by: (sign)								



ULTRASONIC SURVEY REPORT

					Report #:	SN 30606-VE,UT-202	22-03-28				
☐ New E	quipment	UT Survey	✓ Existir	ng Equipment	UT Survey	☐ In-Service	Out of Service				
Client Job #:				CEL Job #:							
Client:	Pipestone E	nergy Corp.	Location:	Surface:	01-04-044-11w5						
Date:	28/Mar/2022	2	Location.	UWI/DH:							
Region:	Alberta		Access Con	siderations:	Year-Round Access						
Area:	Sunchild		Scope of I	nanaction		7	\checkmark				
Facility:	Compressor	-	Scope of t	nspection	Inventory	External	UT				
				Stati	c Data						
Equipr	nent Name:	Exchanger			MAWP Shell (PSI):	150	Pre/Post 1999: Post				
Equipment #: ns					MAWP Tube (PSI):	ns	Diameter (in): 18				
Jur	isdiction #:	ns			MAWT Shell (F): 450		CA Head (in): ns				
Ма	nufacturer:	Vahterus			MAWT Tube (F): ns		CA Shell (in): ns				
	Year Built:	2012			Shell Material:	ns	Nominal (in): ns				
	SN #:	30606			Head Material:	ns	Nominal (in): ns				
	CRN #:	V7416.2					RT (Joint Eff): ns				
	Accep	tance Criteria &	Specifications:	Client Evaluation	1						
				Me	thod						
Procedure:		USB-001, Rev 0)1	Mode:	✓ Zero Degree	Shear Wave					
Equipment Typ	e:	DMS Go		Serial No:	12105442	Last Calibration:	Jan 3, 2022				
Transducer: 0.250"				Serial No:	90849	Type/Frequency:	Duel / 5.0 MHZ				
Cable Length (in): 72"				Couplant:	Echo Mix - water based	powder mix					
Surface Condit	Surface Condition: Clean Base Metal As Ground				Machined ☐ Sand Blast ☑ Painted ☐ Other:						
Cal Block(s):	SN#:	17-4	4164	Type:	e: 1" 4 step Block						
Notes:											
Interval:	Set by Chief	f Inspector after r	review								

^{**}NA=Not Applicable



^{*}NS=Not Stated

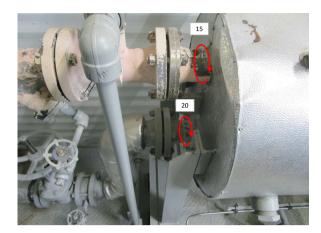
CEL Quality Services Ltd. Pressure Equipment Inspection

PHOTOS PAGE

Tel: (403) 845-5881 • (403) 844-3341 •

		Report#:	SN 30606-VE,UT-2022-03-28
A#: ns	S/N#: 30606	or Other: ns	-













ULTRASONIC SURVEY REPORT



UT Corrosion Survey Readings										
Date: 28-Mar-22	Area:	Sunchild	Equipment Name:	Exchanger	Equipment #:	ns				
Client: Pipestone Energy Corp.	LSD:	01-04-044-11w5	Jurisdiction #:	ns	SN #:	30606	Job #:			

										Vessel TML Rea	dings				
	Baseline	# of Years	Previous	# of Years	Act	ual	MAWP (PSI)		MAWP (PSI) Shell OD (in)		Head Nom	Shell Stress	Il Stress Head Stress Joint Efficienc		
	2012	10	2012	10	202	22		150	18	0.400	ns	17100	ns	0.70	Comments
TML ID	Bas	seline	Low	High	Low	High	OD (in)	ID (in)	STCR (in/YR)	LTCR (in/YR)	T min (in)	RL (YRS)	% Loss	Component	
5	0.	400	0.401	0.418	0.401	0.418	18.000	17.200	0.0000	0.0000	0.1086	50+	0.00%	Shell	

	Vessel Attachment Piping TML Readings																		
	Baseli	eline	# of Years	Previous	# of Years	Act	ual	MAW	P (PSI)		Shell OD (in)			Stress Joint Efficiency					
	2012	12	10	2012	10	20:	22	1	150	18			17100			.00			
TML)	Base	eline	Low	High	Low	High	OD (in)	ID (in)	STCR (/YR)	LTCR (/YR)	T min (in)	RL (YRS)	% Loss	SCH	Nominal (in)	Attached Component	Туре	Shape
	10	0.2	:37	0.245	0.253	0.245	0.253	4.500	4.026	0.0000	0.0000	0.0178	50+	0.00%	STD	0.237	Shell	Piping	90
	15	0.5	31	0.525	0.563	0.525	0.563	4.500	3.438	0.0000	0.0006	0.0152	50+	1.13%	S160	0.531	Shell	Piping	90
	20	0.4	38	0.443	0.476	0.443	0.476	3.500	2.624	0.0000	0.0000	0.0116	50+	0.00%	S120	0.438	Shell	Piping	90
	25	0.4	38	0.467	0.482	0.467	0.482	3.500	2.624	0.0000	0.0000	0.0116	50+	0.00%	S120	0.438	Shell	Piping	90

^{*} All readings are in inches.



Inspector:	Ben Piers	Certifications:
Signature:	BEN PIERS	ASNT Level 2 UT(SB); CGSB UT Level 1 #18240

^{*} Head and shell nominal are assumed

^{*} Vessel stress is assumed



Scope of Services

The agreement of CEL Quality Services Ltd. to perform services extends only to those services provided for in writing. Under no circumstance shall such services extend beyond the performance of the requested services. It is expressly understood that all descriptions, comments and expressions of opinion reflect the opinions or observations of CEL Quality Services Ltd. based on information and assumptions supplied by the owner/operator and are not intended nor can they be construed as representations or warranties. CEL Quality Services Ltd. is not assuming any responsibilities of the owner/operator and the owner/operator retains complete responsibility for the engineering, manufacture, repair and use decisions as a result of the data or other information provided by CEL Quality Services Ltd. In no event shall, CEL Quality Services Ltd., liability in respect of the services referred to herein exceed the amount paid for such services.

Standard of Care

In performing the services provided, CEL Quality Services Ltd. uses the degree, care and skill ordinarily exercised under similar circumstances by others performing such services in the same or similar locality. No other warranty, expressed or implied, is made or intended by CEL Quality Services Ltd.