CEL Qua	lity Servi	ices Ltd	1.			VISU	AL INSPE	CTION	,			Tel: (40	03) 845-5881	I • (403) 8	844-3341
*	Pressure Equipmen	nt Inspection					REPORT					,UT-2022-03-28			
Type of Inspection		TALLATION		Z EXTERN		☐ INTE	RNAL	☐ IN SERV				SERVICE		VENTORY	
Date:	28/Mar/2022		<u> </u>	Job #:	<u> </u>			*all measurements a	are in inches unless	other	wise stat	æd *ns-not s	tated *na-	-not appli	cable
Inspected By:	Ben Piers			CEL Job #:											ļ
Client:	Pipestone Ene	rgy Corp.						Pre Purchase Inspection							ļ
Owner:	Pipestone Ene	rgy Corp.						PO# E22-191-PO-01							
Region:	Alberta							Service PSV prior to r	returning to service	a					l
Area:	Sunchild		Location/	Surface:	01-04-044-11	Lw5									ŀ
Facility:	Compressor		LSD:	UWI/DH:				]							ŀ
Service:	Sweet		if other de	scribe:				]							l
Description:	✓ Vessel	☐ Exc	changer [	☐ Tank	☐ Furna	ice 🔲 F	Boiler	1							ļ
Unit #:	BU-640		Equip #:												ļ
Equip. Name:	Glycol Flash Ta	ank	Equip. Type:	Separator v	vith no MW			1							ŀ
Jurisdiction #:	0618277		CRN:	V-7651.2											ŀ
Manufacturer:	Alco Gas & Oil	Production E	Equipment LTD.					Diameter OD (in):	24			Height/Len	ngth (in):	72	
Serial No.:	2011-8267-09				Year Built:	2012		✓ PSV on Vesse			☐ Pi	ping			
Volume:	ns					PSV Data:	☐ Isolati	ion Valve(s) Installed	d 🔲 Ca	r-seale		CRN:			$\neg \neg$
Zones:	MAWP	Des. T	MDMT	Op.P	Op.T	Set P	Tag #	Manufacturer	Serial No.	In	Out	Capacity	Serv. Co.	Serv.	. Date
Shell Side:	250	200		0	68	250	27053R	Crosby	C11-6052.9	1.5	2	1591	RMV	Apr. 13, 2	
Coil Side:	na	na	na					,							
Units	PSI	F		PSI	F	PSI						scfm			
Components:		Nominal (in)			Calc. Trim	Retire t	CA (in)	UT TML	Lowest t	Acc.	Ret.	Dia. (OD),(in)	RT	F	НТ
Shell:		0.375	<del> </del>				0.125		0.391	✓		24	1	Yes	
Head:	SA-516-70MT		<del>                                     </del>	$\vdash$	<del>                                     </del>	<del>                                     </del>	0.125	<del> </del>	0.359	<u> </u>		24	<del>-</del>	<del></del>	
Tube/Coil:	5/1.525	0.5	<del>                                     </del>	$\vdash \vdash \vdash$	<del>                                     </del>	$\vdash$	0.123	120	0.555	H	<u> </u>	<del>  -  </del>	$\vdash$	$\vdash$	$\overline{}$
Channel:		<b>-</b>	<del>                                     </del>	<del>                                     </del>	<del> </del>	<del> </del>	<del>                                     </del>	+ +	<del> </del>	H	H	+	<del> </del>	<del>                                     </del>	
Other			+	<del> </del>	<del> </del>	<del> </del>	<del> </del>	+	<del> </del>	H	╁	<del>                                     </del>	<del> </del>	$\vdash$	$\overline{}$
Manway/Port:	Port	Size (in):	. ą		□ Davit Ar	rm Present	□ Da'	vit Arm Greased	☐ Double	Nutte	.d	Condition:		_	
Manway/1016.		ement pads i				loles Present		Comment:		Nucc	u	COHUIGON.			
Nozzles:	✓ Piping we				✓ Joining a				Secure and intact						
	✓ PSV Pipin			rains prop		✓ Well		Comment:							
	✓ FSV Pipili	_		ree from le		✓ Well		Comment:							
	✓ Outlet Pip	-		ree from le		✓ Well		Comment: Secure							
Piping:	✓ Outlet Pip	_		ree from le		✓ Well		Comment: Secure							
	✓ Instrume				Free from lea		Coated		Secure and intact						
	✓ Instrume  ✓ Process F	•	•		Flow direction										
	✓ Manual Is				Free from lea			Comment: Rich Glycol  Comment: Acceptable, no leaks noted							
Valves:	✓ Manual Is				Free from lea			Comment: Acceptable, no leaks noted							
varves.	✓ Automate			Ľ	FIEC HOILING	185		Comment: Acceptable, no leaks noted							
	✓ Pressure		55	Clear and	intact v1			Comment.	Acceptable, no lea	IKS 1100	3u				
Gauges:	✓ Pressure  ✓ Temperat		contantioni	Clear and											
Sight Glass:	✓ Fluid Leve			Clear and											
Sight Glass: Orientation:	Vertical	eı	Foundation:		Concrete	Gravel	☐ Tim	nber 🗸 Stee	el 🗌 Other:	Cc	adition:	: Skid secure and	d lovel on n	iloc	
Offentation.								ibei 🗀 Jack	Condition:		Huraon.	JAIU Secure a	u ievei on p.	les	
	Skirt		Seal-welded Free of debri		Free to move Comment:	e Bolted to ski	ed floor		Condition:	Cacure	and lev				
Support:	✓ Skirt  ☐ Hangers		Secure	ıS		DUILEG TO SKI	la nooi			Secure	: allu icv	ei			
	Other				Comment:				Condition: Electrical Groun	ding		Direct 🗸	Indiract	□ No	
Overall:	General condit	tion:	Specify: Suitable for co	entinued sc	orvice				Condition:			irect 🕒	Indirect		Tie
	✓ Painted			ire-proofe		added [	Other:	T	Condition:			table gray			
Ext. Surface:						dueu L	_ Oulei.		Condition:		S accept	able, grey			
Ext. Fixtures:	Ladder		tform(s)		Other:		<u> </u>	Mioldod overlay			al Inche	oction Only			
Int. Surface:	☐ Coated	Line		Thermal sp		Cladde		Wielded overlay Vortex Breaker	Condition:						
Int. Fixtures: Recommended Ac	Baffle	☐ Floa	at 🔲 II	impingeme	anu	☐ Weir	\	70rtex breaker	Condition:	Extern	ai inspe	ction Only			
		<del></del>	<del></del>											NC	CR#:
Service the PSV	/ prior to ret	urning to s	ervice.											<b>├</b> ──	
														<b>├</b> ──	
	<del></del>									6	ol : f:			Щ_	
Summary Co			d to be acceptab		ice.			Inspection			Chief In	spector			
_			tinuation page:	_	Report No.	See next pag	ıge		Quality						
E	quipment is sui		ntinued service:	_	<u> </u>	<u></u>		4	Signature of Insp			Ben Piers			
Terms and Conditi	Def+- "c		Certificate No:					4	Received by: Received by						
Herms and Conditi	ons: Refer to "S	scope of Servi	ices and Stanc	Jard of Car	.e.				Received by	: (Sign)					



### **ULTRASONIC SURVEY REPORT**

					Report #:	A0618277-VE,UT-202	22-03-28		
☐ New Ed	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				
Equipn	nent Name:	Glycol Flash Tai	nk		MAWP Shell (PSI):	250	Pre/Post 1999: Post		
Ec	Equipment #: V-302				MAWP Tube (PSI):	na	Diameter (in): 24		
Jur	isdiction #:	0618277			MAWT Shell (F):	200	CA Head (in): 0.125		
Ma	nufacturer:	Alco Gas & Oil F	Production Equipr	ment LTD.	MAWT Tube (F):	na	CA Shell (in): 0.125		
	Year Built:	2012			Shell Material:	SA-516-70MT	Nominal (in): 0.375		
	SN #:	2011-8267-09			Head Material:	SA-516-70MT	Nominal (in): 0.3		
	CRN #:	V-7651.2					RT (Joint Eff): 1		
	Accep	tance Criteria &	Specifications:	Client Evaluation	1				
				Me	thod				
Procedure:		USB-001, Rev 0	)1	Mode:	✓ Zero Degree	Shear Wave			
Equipment Typ	quipment Type: DMS Go			Serial No:	12105442	Last Calibration:	Jan 3, 2022		
Transducer: 0.250" S				Serial No:	90849	Type/Frequency:	Duel / 5.0 MHZ		
Cable Length (i	n):	72"		Couplant:	Echo Mix - water based	powder mix			
Surface Condit	ion:	☐ Clean Base	Metal 🗌 As	s Ground 🗌	Machined 🗌 Sand	d Blast 🗹 Painte	d Other:		
Cal Block(s):	SN#:	17-4	4164	Type:	1" 4 step Block				
Notes:									
Interval:	Set by Chief	f Inspector after r	review						

<sup>\*\*</sup>NA=Not Applicable



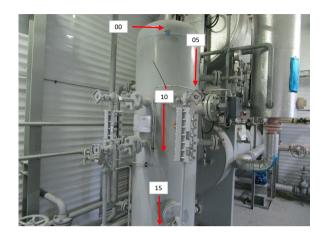
<sup>\*</sup>NS=Not Stated

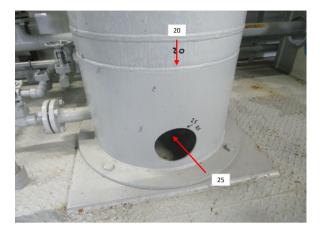
# CEL Quality Services Ltd. Pressure Equipment Inspection

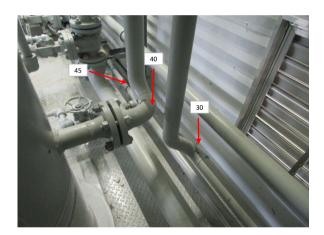
### **PHOTOS PAGE**

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

		Report#:	A0618277-VE,UT-2022-03-28
A#: 0618277	S/N#: 2011-8267-09	or Other: V-302	-













### **ULTRASONIC SURVEY REPORT**



						UT Corrosion Survey Readings				
D	ate: 28-Mar-22		Area:	Sunchild	Equipment Name:	Glycol Flash Tank	Equipment #:	V-302		
CI	ent: Pipestone En	ergy Corp.	LSD: (	01-04-044-11w5	Jurisdiction #:	0618277	SN #:	2011-8267-09	Job #:	

										Vessel TML Rea	dings				
	Baseline	# of Years	Previous	# of Years	Act	Actual MA		P (PSI)	Shell OD (in)	Shell Nom	Head Nom	Shell Stress	<b>Head Stress</b>	Joint Efficiency	
	2012	10	2012	10	20:	22	2	250	24	0.375	0.300	20000	20000	1.00	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	
	0.	.300	0.369	0.402	0.369	0.402	24.000	23.400	0.0000	0.0000	0.1464	50+	0.00%	Head - Ellipsoidal	
	0.	.375	0.394	0.407	0.394	0.407	24.000	23.250	0.0000	0.0000	0.1464	50+	0.00%	Shell	
1	0.	.375	0.391	0.403	0.391	0.403	24.000	23.250	0.0000	0.0000	0.1464	50+	0.00%	Shell	
1	0.	.375	0.394	0.405	0.394	0.405	24.000	23.250	0.0000	0.0000	0.1464	50+	0.00%	Shell	
2	0.	300	0.359	0.406	0.359	0.406	24.000	23.400	0.0000	0.0000	0.1464	50+	0.00%	Head - Ellipsoidal	

									Vessel A	ttachment Piping	TML Reading	S						
	Baseline	# of Years	Previous	# of Years	Act	ual	MAW	P (PSI)		Shell OD (in)		Stress Joint Efficiency						
	2012	10	2012	10	20	22	2	:50		24			100	1	.00			
TML ID	Bas	seline	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
25	0.	343	0.340	0.355	0.340	0.355	2.375	1.689	0.0000	0.0003	0.0125	50+	0.87%	S160	0.343	Shell	Piping	90
30	0.	218	0.220	0.247	0.220	0.247	2.375	1.939	0.0000	0.0000	0.0143	50+	0.00%	XS	0.218	Shell	Piping	90
35	0.	218	0.209	0.224	0.209	0.224	2.375	1.939	0.0000	0.0009	0.0143	50+	4.13%	XS	0.218	Shell	Piping	90
40	0.	218	0.227	0.248	0.227	0.248	2.375	1.939	0.0000	0.0000	0.0143	50+	0.00%	XS	0.218	Shell	Piping	90
45	0.	218	0.212	0.239	0.212	0.239	2.375	1.939	0.0000	0.0006	0.0143	50+	2.75%	XS	0.218	Shell	Piping	90

<sup>\*</sup> All readings are in inches.



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

<sup>\*</sup> All readings are acceptable at time of the inspection.



## **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.