CEL Qua	lity Servi	ces Ltd	l.		AL INSPE	ECTION Tel: (403) 845-5881 • (403) 844-3341									
*	Pressure Equipmer	t Inspection					REPORT		Report#:	A0620	317-VE,	,UT-2022-03-28			
Type of Inspection		TALLATION	✓	EXTERN	AL	☐ INTE	RNAL	☐ IN SERV				SERVICE		/ENTORY	
Date:	28/Mar/2022			Job #:				*all measurements are in inches unless otherwise stated *ns-not stated *na-not applicable						able	
Inspected By:	Ben Piers			CEL Job #:											
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	ž					
Area:	Sunchild		Location/	Surface:	01-04-044-11	Lw5		No safe access to top	head and upper s	hell po	rtion				
Facility:	Compressor		LSD:	UWI/DH:				No access to bottom	drain elbow throu	gh skir	t openin	ıg			
Service:	Sweet		if other de	scribe:											
Description:	✓ Vessel	☐ Exc	hanger [Tank	☐ Furna	ice 🗌 E	Boiler								
Unit #:	BU-640		Equip #:	V-300											
Equip. Name:	2PH. Glycol Co	ntactor	Equip. Type:	Tower											
Jurisdiction #:	0620317		CRN:	ALD-12-00)4										
Manufacturer:	Alco Gas & Oil	Production E	quipment LTD.					Diameter OD (in):	67			Height/Len	gth (in):	384	
Serial No.:	2011-8267-01				Year Built:	2012		✓ PSV on Vesse	el		☐ Pi	ping			
Volume:	ns					PSV Data:	☐ Isolati	on Valve(s) Installed	d 🗌 Car	r-seale	ed .	☐ CRN:			
Zones:	MAWP	Des. T	MDMT	Op.P	Op.T	Set P	Tag #	Manufacturer	Serial No.	In	Out	Capacity	Serv. Co.	Serv. D	Oate
Shell Side:	2050	150	-50	0	70	1440	27131R	Farris	827444-1-DA	2	3	1019.4	RMV	Apr. 17, 20	015
Coil Side:	na	na	na												
Units	PSI	F	F	PSI	F	PSI						M3/MIN			
Components:	Material	Nominal (in)	Sgl./Dbl/		Calc. Trim	Retire t	CA (in)	UT TML	Lowest t	Acc.	Ret.	Dia. (OD),(in)	RT	НТ	
Shell:		3.5					0.125	15	3.539	V		67	1	Yes	
Head:	SA-516-70MT						0.125	20	3.438	V		67			
Tube/Coil:	571 520 701111	0.0	 		-	1	0.125	20	5.150					1	
Channel:										H	H	-		1	
Other						 				H	H	-		1	
Manway/Port:	Manway	Size (in):	20		✓ Davit Arı	m Procent	√ Dav	rit Arm Greased	✓ Double	Nutto	'd	Condition:	Acceptable,	secure an	d intact
Wallway/Fort.	✓ Reinforce					oles Present			Acceptable, no lea			Condition.	лесергавіс,	Secure and	u mituet
Nozzles:	✓ Piping we				✓ Weep no				Secure and intact	K3 HOLE	-u				
	✓ PSV Pipir			rains prop		✓ Well		Comment:							
	✓ Inlet Pipi	_		ee from le		✓ Well		Comment:							
	✓ Outlet Pi	•		ee from le		✓ Well		Comment: Secure							
Piping:	✓ Oddet Fij	-		ee from le		✓ Well		Comment: Secure							
	=	-			Free from lea		coateu	Comment: Secure and intact							
	✓ Instrume✓ Process F		•		Flow directio				Lean Glycol, Rich (Slycol					
	✓ Process r										a al				
Valves:					Free from lea			Comment: Acceptable, no leaks noted Comment: Acceptable, no leaks noted							
valves.	✓ Automate				Free from lea	aks									
	✓ Vents and	a Drains Plu		Classiand	lanta at d			Comment:	Acceptable, no lea	iks note	20				
Gauges:	✓ Pressure	huun	condition	Clear and											
	✓ Tempera			Clear and											
Sight Glass:	✓ Fluid Lev	el		Clear and							11.11	ci. i			
Orientation:	Vertical		Foundation:		Concrete	☐ Gravel	☐ Tim	ber ☑ Stee		Со	ndition:	: Skid secure and	d level on pi	les	
	Saddle		Seal-welded		Free to move				Condition:						
Support:	✓ Skirt		Free of debri	S	Comment:	Bolted to ski	id floor, 1 Bolt	missing	Condition:	Secure	and lev	<i>r</i> el			
	Hangers		Secure		Comment:			Ţ	Condition:						
	☐ Other		Specify:						Electrical Groun			oirect 🗸	Indirect	☐ Nor	ne
Overall:	General condi		Suitable for co					1	Condition:						
Ext. Surface:	☑ Painted ☐ Insulated ☐ Fire-proofed ☑ Cladded ☐ Other: Condition: Paint and cladding are acceptable														
Ext. Fixtures:	☐ Ladder ☐ Platform(s) ☐ Other: Condition: None														
Int. Surface:	Coated	Line		hermal sp	•	Cladde		Vielded overlay	Condition:						
Int. Fixtures:	☐ Baffle	☐ Floa	at 🗌 Ir	mpingeme	ent	☐ Weir	\V	ortex Breaker	Condition:	Extern	al Inspe	ction Only			
Recommended Ac	tions:													NCR	.#:
Service the PS	V prior to re	turning to	service.												
Replace the m	issing bolt ir	the vessel	skirt.												
Summary Co	mment:	Vessel found	I to be acceptab	le for serv	ice.			Inspection	interval:	Set by	Chief In	spector			
	Additional	notes on cont	tinuation page:	<	Report No.	See next pag	ge		Quality	Check:					
E	quipment is su	table for con	tinued service:	\checkmark	epore No.	See next pag	<u> </u>]	Signature of Insp	ector:		Ben Piers			
		Inspector	Certificate No:	IPV #0007	70		·		Received by:	(print)					
Terms and Conditi	ons: Refer to "S	cope of Servi	ces" and "Stand	dard of Car	e"			I	Received by	: (sign)					



ULTRASONIC SURVEY REPORT

					Report #:	A0620317-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)1-04-044-11w5					
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	r	Scope of t	nspection	Inventory	External	UT				
				Stati	c Data						
Equipn	nent Name:	2PH. Glycol Cor	ntactor		MAWP Shell (PSI):	2050	Pre/Post 1999: Post				
Ed	quipment #:	V-300			MAWP Tube (PSI):	na	Diameter (in): 67				
Jur	isdiction #:	0620317			MAWT Shell (F):	150	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): 3.5				
	SN #:	2011-8267-01			Head Material:	SA-516-70MT	Nominal (in): 3.5				
	CRN #:	ALD-12-004					RT (Joint Eff): 1				
	Accept	tance Criteria &	Specifications:	Client Evaluation	า						
				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 Condition:			Metal 🗌 As	s Ground 🗌	Machined 🗌 Sand	d Blast 🗹 Painte	d Other:				
Cal Block(s):	SN#:	17-4	4164	Type:	2: 1" 4 step Block						
Notes:											
Interval:	Set by Chief	f Inspector after r	review								

^{**}NA=Not Applicable



^{*}NS=Not Stated

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-	
7	Pressure Equipment Inspection

A#: 0620317 S/N#: 2011-8267-01 or Other: V-300









- TML 20 taken on bottom head of vessel





- TML 80 taken on the 6 0'Clock position on manway

Signature of Inspector:

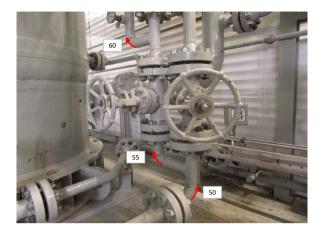
Ben Piers

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				Report#:	A0620317-VE,UT-2022-03-28
A#:	0620317	S/N#:	2011-8267-01	or Other: V-300	-









ULTRASONIC SURVEY REPORT



	UT Corrosion Survey Readings											
Date:	Date: 28-Mar-22 Area: Sunchild Equipment Name: 2PH. Glycol Contactor Equipment #. V-300											
Client:	: Pipestone Energy Corp.	LSD:	01-04-044-11w5	Jurisdiction #:	0620317	SN #:	2011-8267-01	Job #:				

	Vessel TML Readings														
	Baseline	# of Years	Previous	# of Years	Act	ual	MAW	/P (PSI)	Shell OD (in)	Shell Nom	Head Nom	Shell Stress	Head Stress	Joint Efficiency	
	2012	10	2012	10	20	22	2	050	67	3.500	3.500	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	3.	.500	3.576	3.608	3.576	3.608	67.000	60.000	0.0000	0.0000	3.2765	50+	0.00%	Shell	
5	3.	.500	3.554	3.582	3.554	3.582	67.000	60.000	0.0000	0.0000	3.2765	50+	0.00%	Shell	
10	3.	.500	3.585	3.593	3.585	3.593	67.000	60.000	0.0000	0.0000	3.2765	50+	0.00%	Shell	
15	3.	.500	3.539	3.584	3.539	3.584	67.000	60.000	0.0000	0.0000	3.2765	50+	0.00%	Shell	
20	3.	.500	3.438	3.607	3.438	3.607	67.000	60.000	0.0000	0.0062	3.1068	50+	1.77%	Head - Ellipsoidal	
80	2.	.313	2.315	2.322	2.315	2.322	20.000	15.375	0.0000	0.0000	0.8396	50+	0.00%	Manway	6 0'Clock band bottom of manway

	Vessel Attachment Piping TML Readings																	
	Baseline	# of Years	Previous	# of Years	Act	ual	MAW	P (PSI)		Shell OD (in)		Str	ess	Joint E	fficiency			
	2012	10	2012	10	20	22	2	050		67		17	7100 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	0.342	0.375	0.342	0.375	2.375	1.689	0.0000	0.0001	0.1091	50+	0.29%	S160	0.343	Shell	Piping	360
30	0.	.343	0.370	0.377	0.370	0.377	2.375	1.689	0.0000	0.0000	0.1091	50+	0.00%	S160	0.343	Shell	Piping	90
35	0.	.343	0.353	0.387	0.353	0.387	2.375	1.689	0.0000	0.0000	0.1091	50+	0.00%	S160	0.343	Shell	Piping	90
40	0.	.343	0.328	0.377	0.328	0.377	2.375	1.689	0.0000	0.0015	0.1091	50+	4.37%	S160	0.343	Shell	Piping	90
45	0.	343	0.313	0.373	0.313	0.373	2.375	1.689	0.0000	0.0030	0.1091	50+	8.75%	S160	0.343	Shell	Piping	90
50	0.	343	0.350	0.388	0.350	0.388	2.375	1.689	0.0000	0.0000	0.1091	50+	0.00%	S160	0.343	Shell	Piping	90
55	0.	343	0.326	0.361	0.326	0.361	2.375	1.689	0.0000	0.0017	0.1091	50+	4.96%	S160	0.343	Shell	Piping	90
60	0.	.343	0.338	0.383	0.338	0.383	2.375	1.689	0.0000	0.0005	0.1091	50+	1.46%	S160	0.343	Shell	Piping	90
65	0.	436	0.426	0.476	0.426	0.476	2.375	1.503	0.0000	0.0010	0.0971	50+	2.29%	XXS	0.436	Shell	Piping	360
70	0.	.843	0.830	0.891	0.830	0.891	10.750	9.064	0.0000	0.0013	0.5854	50+	1.54%	S120	0.843	Shell	Piping	45
75	0.	438	0.532	0.571	0.532	0.571	3.500	2.624	0.0000	0.0000	0.1695	50+	0.00%	S160	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



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.