CEL Qua	lity Servi	ices Ltd	<u>.</u>			VISU	CTION Tel: (403) 845-5881 • (403) 844-3341								
*	Pressure Equipmer						REPORT	·							
Type of Inspection	: INS	TALLATION	✓	EXTERN	AL	☐ INTE	RNAL	☐ IN SER\	/ICE	☑ OI	JT OF S	ERVICE	☐ IN\	/ENTORY	
Date:	28/Mar/2022			Job #:					are in inches unless	other	vise stat	ted *ns-not s	tated *na-	not applicable	
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							Thief Hatch present	on Still Column, no	PSV p	resent.				
Area:	Sunchild		Location/	Surface:	01-04-044-11	Lw5		1							
Facility:	Compressor		LSD:	UWI/DH:											
Service:	Sweet		if other de	scribe:				1							
Description:	✓ Vessel	ПЕхс		Tank	☐ Furna	ice 🗆 F	Boiler	1							
Unit #:	BU-640		Equip #:					1							
Equip. Name:	Glycol Reconc	entrator	Equip. Type:		iler										
Jurisdiction #:	ns	critiator		Non-Code											
Manufacturer:	-	Dundunting F		Non-code				D:	40/42			Haimba/Lam	ath (in)	/	
			quipment LTD.			2012		Diameter OD (in):				Height/Len	gtn (in):	144/120	
Serial No.:	2011-8267-04				Year Built:	1		☐ PSV on Vess			☐ Pi				
Volume:	ns	1				PSV Data:		on Valve(s) Installe		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:	14.9	ns	ns	0	50										
Coil Side:	na	na	na												
Units	PSI	F	F	PSI	F	PSI						GPM			
Components:	Material	Nominal (in)	Sgl./Dbl/	Weld	Calc. Trim	Retire t	CA (in)	UT TML	Lowest t	Acc.	Ret.	Dia. (OD),(in)	RT	HT	
Shell:	SA-36	0.25					0	25	0.245	<b>✓</b>		42	ns	ns	
Head:	SA-36	0.250/0.375					0	40	0.371	<b>~</b>		42			
Tube/Coil:															
Channel:															
Other										$\overline{\Box}$	$\overline{}$				
Manway/Port:	tt: Manway Size (in): 48/42														
	,	ement pads				oles Present		Comment:	_	Hutte	u	contaction			
Nozzles:	✓ Piping we				✓ Joining a				Secure and intact						
	✓ PSV Pipir			rains prop		✓ Well	coated	Comment:							
	✓ F3V Fipii	_				✓ Well		Comment:							
	✓ Outlet Pi			ee from le		✓ Well		Comment:							
Piping:				ee from le		✓ Well									
	✓ Drain Pip						Coateu	Comment:							
		ntation Pipir	_		Free from lea				Secure and intact						
		luid Identifi			Flow directio				Triethylene Glycol						
_	✓ Manual I				Free from lea				Acceptable, no lea	ks not	ed				
Valves:	Automate				Free from lea	aks		Comment:							
	✓ Vents an	d Drains Plu						Comment:	Acceptable, no lea	ks not	ed				
Gauges:	✓ Pressure		Condition:	Clear and i	intact x1										
	✓ Tempera	ture	Condition:	Clear and i	intact x1										
Sight Glass:	✓ Fluid Lev	el	Condition:	Clear and i	intact x2										
Orientation:	Horizontal		Foundation:		Concrete	☐ Gravel	Tim	iber 🗹 Ste	el 🗌 Other:	Со	ndition:	Skid secure an	d level on pi	les	
	✓ Saddle	✓	Seal-welded	✓	Free to move	е			Condition:	Bolted	to skid	floor, secure an	d level		
Cummorti	☐ Skirt		Free of debri	ıs	Comment:				Condition:						
Support:	☐ Hangers		] Secure		Comment:				Condition:						
	☐ Other		Specify:						Electrical Groun	ding:	□ D	irect 🗸	Indirect	☐ None	
Overall:	General condi	tion:	Suitable for co	ntinued se	rvice				Condition:	Accep	table				
Ext. Surface:	✓ Painted	☐ Ins	ulated 🗌 Fi	ire-proofe	d 🗸 Cla	idded [	Other:		Condition:	Paint a	and clad	ding are accept	able		
Ext. Fixtures:	✓ Painted       ☐ Insulated       ☐ Fire-proofed       ✓ Cladded       ☐ Other:       Condition: Paint and cladding are acceptable         ☐ Ladder       ☐ Platform(s)       ☐ Other:       Condition: None														
Int. Surface:	Coated	Line		hermal sp		☐ Cladde	ed 🗆	Wielded overlay	Condition:		al Inspe	ction Only			
Int. Fixtures:	Baffle	☐ Floa		mpingeme	-	Weir		/ortex Breaker	Condition:			-			
Recommended Ac	_			, .5510					CouitioII.	- 2. 7.	,,,,	- 1	1	NCR#:	
- I - I - I - I - I - I - I - I - I - I															
C.U	mmont.	Voccol form	to be assent-t-	lo for and	ico			I	intoruoli	Cot h	Chief!	cnoctor			
Summary Co			to be acceptab		ice.	ı		Inspection			Chief In	specioi			
_			tinuation page:		Report No.	See next pa	ge		Quality			Paul Diam			
L L	quipriient is su		tinued service:	$\checkmark$		l		4	Signature of Insp			Ben Piers			
T	D-6 · "		Certificate No:	dd - C C	- "			4	Received by:						
Terms and Condition	uns: kefer to "S	scope of Servi	ices and "Stand	uard of Car	e			1	Received by	: (sign)					



### **ULTRASONIC SURVEY REPORT**

					Report #:	SN 2011-8267-04-VE	,UT-2022-03-28			
☐ 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	<b>V</b>			
Facility:	Compressor	-	Scope of t	nspection	Inventory	External	UT			
				Stati	c Data					
Equipn	nent Name:	Glycol Reconcer	ntrator		MAWP Shell (PSI):	0	Pre/Post 1999:	Post		
Ed	quipment #:	H-305			MAWP Tube (PSI):	MAWP Tube (PSI): na		42		
Jur	risdiction #:	ns			MAWT Shell (F):	ns	CA Head (in):	0		
Ma	nufacturer:	Alco Gas & Oil F	Production Equipr	ment LTD.	MAWT Tube (F):	na	CA Shell (in):	0		
	Year Built:	2012			Shell Material: SA-36		Nominal (in):	0.25		
	SN #:	2011-8267-04			Head Material:	SA-36	Nominal (in):	0.250/0.375		
	CRN #:	Non-Code					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	quipment Type: DMS Go			Serial No:	12105442	Last Calibration:	Jan 3, 2022			
Transducer:	nsducer: 0.250"			Serial No:	90849	Type/Frequency:	Duel / 5.0 MHZ			
Cable Length (in): 72"				Couplant:	Echo Mix - water based	powder mix				
Surface Condit	dition: Clean Base Metal					Blast 🗹 Painte	d Other:			
Cal Block(s):	SN#:	17-4	4164	Type:	e: 1" 4 step Block					
Notes:										
Interval:	Set by Chief	f Inspector after r	review							

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



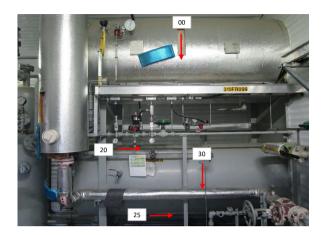
<sup>\*</sup>NS=Not Stated

# CEL Quality Services Ltd. Pressure Equipment Inspection

### **PHOTOS PAGE**

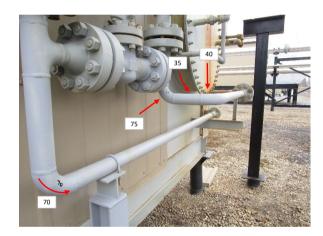
Tel: (403) 845-5881 • (403) 844-3341 •

		Report#:	SN 2011-8267-04-VE,UT-2022-03-28
A#: ns	S/N#: 2011-8267-04	or Other: H-305	_













## ULTRASONIC SURVEY REPORT



	UT Corrosion Survey Readings										
Date	e: 28-Mar-22	Area:	Sunchild	Equipment Name:	Glycol Reconcentrator	Equipment #:	H-305				
Client	t: Pipestone Energy Corp.	LSD:	01-04-044-11w5	Jurisdiction #:	ns	SN #:	2011-8267-04	Job #:			

	Vessel TML Readings														
	Baseline	# of Years	Previous	Previous # of Years Actual MAWP (PSI) Shell OD (in) Shell Nom Head Nom Shell Stress Head Stress Joint Efficiency							Joint Efficiency				
	2012	10	2012	10	20:	22	1-	4.9	42	0.250	0.250/0.375	16600	16600	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	
0	0.	250	0.250	0.255	0.250	0.255	48.000	47.500	0.0000	0.0000	0.0305	50+	0.00%	Shell	
5	0.	250	0.249	0.257	0.249	0.257	48.000	47.500	0.0000	0.0001	0.0305	50+	0.40%	Shell	
10	0.	375	0.372	0.377	0.372	0.377	48.000	47.250	0.0000	0.0003	0.0303	50+	0.80%	Head	
15	0.	375	0.377	0.385	0.377	0.385	42.000	41.250	0.0000	0.0000	0.0265	50+	0.00%	Head	
20	0.	250	0.246	0.256	0.246	0.256	42.000	41.500	0.0000	0.0004	0.0266	50+	1.60%	Shell	
25	0.	250	0.245	0.250	0.245	0.250	42.000	41.500	0.0000	0.0005	0.0266	50+	2.00%	Shell	
30	0.	250	0.252	0.258	0.252	0.258	42.000	41.500	0.0000	0.0000	0.0266	50+	0.00%	Shell	
35	0.	250	0.247	0.251	0.247	0.251	42.000	41.500	0.0000	0.0003	0.0266	50+	1.20%	Shell	
40	0.	375	0.371	0.379	0.371	0.379	42.000	41.250	0.0000	0.0004	0.0265	50+	1.07%	Head	

									Vessel A	ttachment Piping	TML Reading	S									
	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	1	4.9	42			17100		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	Type	Shape			
45	0.	216	0.200	0.240	0.200	0.240	3.500	3.068	0.0000	0.0016	0.0013	50+	7.41%	STD	0.216	Shell	Piping	90			
50	0.	216	0.188	0.205	0.188	0.205	3.500	3.068	0.0000	0.0028	0.0013	50+	12.96%	STD	0.216	Shell	Piping	90			
55	0.	250	0.218	0.223	0.218	0.223	16.000	15.500	0.0000	0.0032	0.0068	50+	12.80%	SCH10	0.250	Shell	Piping	90			
60	0.	200	0.190	0.209	0.190	0.209	1.900	1.500	0.0000	0.0010	0.0007	50+	5.00%	XS	0.200	Shell	Piping	90			
65	0.	216	0.190	0.211	0.190	0.211	3.500	3.068	0.0000	0.0026	0.0013	50+	12.04%	STD	0.216	Shell	Piping	90			
70	0.	218	0.208	0.235	0.208	0.235	2.375	1.939	0.0000	0.0010	0.0008	50+	4.59%	XS	0.218	Shell	Piping	90			
75	0.	218	0.307	0.335	0.307	0.335	2.375	1.939	0.0000	0.0000	0.0008	50+	0.00%	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
Signature.	DEW TIENS	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.