CEL Qua	Quality Services Ltd. VISUAL INSPECTION Tel: (403) 845-5881 • (403) 8											L • (403) 844-334			
*	Pressure Equipmer	nt Inspection					REPORT					UT-2022-03-28			
Type of Inspection		TALLATION	✓	EXTERN		☐ INTE	RNAL	☐ IN SERV			JT OF S			VENTORY	
Date:	28/Mar/2022			Job #:				*all measurements a	re in inches unless	otherv	wise stat	ed *ns-not st	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							Service PSV prior to r	returning to service	3					
Area:	Sunchild		Location/	Surface:	01-04-044-11	Lw5									
Facility:	Compressor		LSD:	UWI/DH:				Note 1 Shell Materia	al: SA-333-GR6/SA-	234-W	PB				
Service:	Sweet		if other de	scribe:				Nominals: 0.719"/0.4	438"						
Description:	∨ Vessel	☐ Exc	hanger [☐ Tank	☐ Furna	ice 🗌 E	Boiler	Note 2 Head Materia	als SA-234-WPB/SA	-105N	RF				
Unit #:	BU-640		Equip #:	V-308				Nominals: 0.629"/1.7	750"						
Equip. Name:	Glycol Control	Cage	Equip. Type:					1							
Jurisdiction #:	0618153		CRN:	V-7712.2				1							
Manufacturer:	Alco Gas & Oil	Production E	quipment LTD.	<u> </u>				Diameter OD (in):	8.625			Height/Len	gth (in):	24	
Serial No.:	2011-8267-08				Year Built:	2012		☐ PSV on Vesse			☑ Pi		<u> </u>	1	
Volume:	ns					PSV Data:	☐ Isolati	on Valve(s) Installed		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:	2050	150	-20	0	70	1440	27131R		827444-1-DA	2	3	1019.4	RMV	Apr. 17, 2015	
Coil Side:				0	70	1440	2/131N	1 01113	827444-1-DA		3	1019.4	KIVIV	Арг. 17, 2013	
	na	na	na	DCI	-	DCI				—		N 42 /N 41N1			
Units	PSI	F		PSI	F	PSI	21.0.1			-		M3/MIN			
Components:		Nominal (in)	Sgl./Dbl/	weid	Calc. Trim	Retire t	CA (in)	UT TML	Lowest t	Acc.	Ret.	Dia. (OD),(in)	RT .	HT	
Shell:	Note 1	0.719		<u> </u>			0.125	ł	0.681		<u> </u>	8.625	1	Yes	
Head:	Note 2	0.629		└			0.125	00	0.714	V	Ш	8.625			
Tube/Coil:															
Channel:															
Other															
Manway/Port:	Port	Size (in):	4		☐ Davit Ar	m Present	☐ Dav	vit Arm Greased	☐ Double	Nutte	:d	Condition:			
Nozzles:	Reinforce	ement pads ι	used		☐ Weep Ho	oles Present	ī	Comment:	None						
NOZZIES.	☑ Piping we	ell supported	1		✓ Joining a	as per code		Comment:	Secure and intact						
	✓ PSV Pipir	ıg	✓ Dr	rains prop	erly	✓ Well •	coated	Comment:	Secure						
	✓ Inlet Pipi	ng	✓ Fr	ree from le	eaks	✓ Well •	coated	Comment:	Secure						
Dining	✓ Outlet Pi	ping	✓ Fr	ree from le	eaks	✓ Well •	coated	Comment:	Secure						
Piping:	✓ Drain Pip	ing	✓ Fr	ree from le	eaks	✓ Well	coated	Comment:	Secure						
	✓ Instrume	entation Pipir	ng	✓	Free from lea	aks/kinks		Comment:	Secure and intact						
	✓ Process F	Fluid Identific	ed	✓	Flow directio	n marked		Comment:	Rich Glycol						
	✓ Manual I	solation Valv	/e		Free from lea	aks		Comment:	Acceptable, no lea	ıks not	ed				
Valves:	Automate	ed Control V	alve		Free from lea			Comment:	Acceptable, no lea	ıks not	ed				
		d Drains Plu							Acceptable, no lea						
	✓ Pressure		Condition:	Clear and	intact x1										
Gauges:	☐ Tempera			None											
Sight Glass:	✓ Fluid Lev			Clear and	intact x1										
Orientation:	Horizontal	Ci	Foundation:		Concrete	Gravel	☐ Tim	iber 🗸 Stee	el 🗌 Other:	Co	ndition:	Skid secure and	d level on ni	iles	
Orientation.								bei 5tee	Condition:		narcion.	Skia secure and	a level on pi	103	
	Saddle		Seal-welded		Free to move	<u>: </u>									
Support:	Skirt	<u>_</u> _	Free of debri	is	Comment:				Condition:						
	Hangers		Secure	Coorno bri	Comment:	Daltad ta akia		-1	Condition:	d!		:	To allow at	□ Name	
	✓ Other	tion.			piping and U E	soited to skid	i support, Leve	31.	Electrical Groun			irect 🗸	Indirect	☐ None	
Overall:	General condition: Suitable for continued service Condition: Acceptable														
Ext. Surface:	✓ Painted ☐ Insulated ☐ Fire-proofed ☐ Cladded ☐ Other: Condition: Paint is acceptable, grey														
Ext. Fixtures:	☐ Ladder ☐ Platform(s) ☐ Other: Condition: None														
Int. Surface:															
Int. Fixtures:															
Recommended Ac	tions:													NCR#:	
Service the PS	V prior to re	turning to	service.												
Summary Co	mment:	Vessel found	I to be acceptab	le for serv	ice.			Inspection interval: Set by Chief Inspector							
	Additional	notes on cont	tinuation page:	✓	Report No.	See next pag	ge		Quality	Check:					
E	quipment is su	itable for con	tinued service:	\checkmark	лероге но.	- seext pag	o-]	Signature of Insp	ector:		Ben Piers			
		Inspector	Certificate No:	IPV #0007	'70]	Received by:	(print)					
Terms and Condition	ons: Refer to "S	Scope of Servi	ces" and "Stand	dard of Car	re"				Received by	: (sign)					



ULTRASONIC SURVEY REPORT

					Report #:	A0618153-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	nenection		✓	abla				
Facility:	Compressor	-	Ocope of f	nspection	Inventory	External	UT				
				Stati	c Data						
Equipr	nent Name:	Glycol Control C	age		MAWP Shell (PSI):	2050	Pre/Post 1999: Post				
Ed	quipment #:	V-308			MAWP Tube (PSI):	na	Diameter (in): 8.625				
Jur	risdiction #:	0618153			MAWT Shell (F):	150	CA Head (in): 0.125				
Ма	nufacturer:	Alco Gas & Oil F	Production Equipr	ment LTD.	MAWT Tube (F): na		CA Shell (in): 0.125				
	Year Built:	2012			Shell Material: Note 1		Nominal (in): 0.719				
	SN #:	2011-8267-08			Head Material:	Note 2	Nominal (in): 0.629				
	CRN #:	V-7712.2					RT (Joint Eff): 1				
	Accep	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 (i	n):	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:	t: 1" 4 step Block						
Notes:											
Interval:	Set by Chief	f Inspector after r									

^{**}NA=Not Applicable



^{*}NS=Not Stated

CEL Quality Services Ltd.

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

Pressure Equipment Inspection PHOTOS PAGE

					Report#:	A0618153-VE,UT-2022-03-28
A#:	0618153	S/N#:	2011-8267-08	or Other:	V-308	









ULTRASONIC SURVEY REPORT



UT Corrosion Survey Readings										
Date: 28-Mar-22	Area:	Sunchild	Equipment Name:	Glycol Control Cage	Equipment #:	V-308				
Client: Pipestone Energy Corp.	LSD:	01-04-044-11w5	Jurisdiction #:	0618153	SN #:	2011-8267-08	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	8.625	0.719	0.629	17100	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	0.	629	0.714	0.857	0.714	0.857	8.625	7.367	0.0000	0.0000	0.3815	50+	0.00%	Head - Ellipsoidal	
5	0.	719	0.693	0.703	0.693	0.703	8.625	7.187	0.0000	0.0026	0.4642	50+	3.62%	Shell	
10	0.	719	0.681	0.700	0.681	0.700	8.625	7.187	0.0000	0.0038	0.4642	50+	5.29%	Shell	
15	0.	719	0.696	0.736	0.696	0.736	8.625	7.187	0.0000	0.0023	0.4642	50+	3.20%	Shell	
20	0.	629	0.720	0.792	0.720	0.792	8.625	7.367	0.0000	0.0000	0.3815	50+	0.00%	Head - Ellipsoidal	_

	Vessel Attachment Piping TML Readings																	
	Baseline	# of Years	Previous	# of Years	Act	ual	MAW	P (PSI)	Shell OD (in)			Stress Joint Efficiency						
	2012	10	2012	10	20:	22	2	050		8.625		17	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	0.342	0.366	0.342	0.366	2.375	1.689	0.0000	0.0001	0.1091	50+	0.29%	S160	0.343	Shell	Piping	90
30	0.	343	0.337	0.371	0.337	0.371	2.375	1.689	0.0000	0.0006	0.1091	50+	1.75%	S160	0.343	Shell	Piping	90

^{*} All readings are in inches.

All readings acceptable at time of the inspection.



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.