



Pressure Equipment Static Data

General Information										
Date:	August 10, 2021			Location:	Surface:	04-21-052-19W5M				
Client/Owner:	CNRL				UWI/DH:	06-21-052-19W5M				
District/Region:	Edson			Location Access:	All Year					
Area:	Wild River West			Inspection Type:	<input type="checkbox"/> Inventory <input type="checkbox"/> Internal <input checked="" type="checkbox"/> External <input checked="" type="checkbox"/> UT <input type="checkbox"/> MT					
Facility:	Well Site									
Pressure Equipment Information										
Equip Name:	Glycol Contactor (Used as a Separator)				CA (in):	NIL	mm:			
Manufacturer:	Alco Gas & Oil				MDMT:	- 21 F				
Provincial #:	A0416558	Unit /Skid #:	N/A			PWHT:	N/A			
S/N:	97C.5786-01G	Equip #:	N/A			RT:	RT-2			
CRN:	K-3590-2	Year Built:	1997			Manway:	No	Size (in):		
NB #:	N/A	Orientation:	Vertical							
Zones										
	MAWP (PSI)	MAWT (F)	MAWP (KPA)	MAWT (C)	Comment					
Shell Side	1436	130								
Tube Side										
Components										
	Dia (OD) in.	Type	Material	Nominal (in)	Nominal (mm)	Comment				
Shell	16	Pipe	SA-106-B	0.843						
Head	16	Ellipsoidal	SA-516-70N	0.825						
Pressure Safety Valve(s)										
Zone:	Shell Side									
Equip #	N/A									
Location	Vessel - Threaded									
Set Press (PSI)	1436									
Capacity	4942	SCFM								
Set Press (KPA)										
Manufacturer	Mercer									
S/N	RVC00006141									
Model	81-17151T65G11									
CRN	0G8841.5CR1									
Inlet Size (in)	1	Locked Open?								
Outlet Size (in)	1									
Inlet I/V	No									
Outlet I/V	No									
Service Co.	Access Valve									
Serv. Date	Dec-2020									
Service Status and Conditions										
Status:	In Service			Service:	Sweet		Primary Contents - Shell:	Gas		
				Concentration:			Primary Contents - Tube:			
Comments										



Pressure Vessel External Inspection

Date:		August 10, 2021		Equip Name:		Glycol Contactor (Used as a Separator)	
Inspector:		Kelly Rose		Prov #:		A0416558	
Client/Owner:		CNRL		S/N:		97C.5786-01G	
District/Region:		Edson		Unit /Skid #:		N/A	
Area:		Wild River West		Equip #		N/A	
Facility:		Well Site		Location:		Surface:	
						UWI/DH:	
Component	Condition	Comment					
Nameplate	Acceptable	Good condition. Securely attached, legible and all required information is present.					
Grounding	Acceptable	Vessel is grounded through skid.					
Foundation/Supports	Acceptable	Vessel skirt is bolted to skid floor. All bolts are installed and are secure.					
Ladder/Platform	N/A						
Insulation/Cladding	Acceptable	Vessel is 60% insulated and cladded. Insulation is in good overall condition.					
Shell	Acceptable	Shell is in good condition, no concerns noted.					
Heads	Acceptable	Bottom head is in good condition, no concerns noted.					
Nozzles/Threadolets	Acceptable	All nozzles are in good condition. No deflection, short bolting or other concerns noted.					
Piping/Valves	Acceptable	All associated piping is in good condition. All bolting is properly installed and secure. No leaks or other concerns noted.					
Appurtenances & Instrumentation	Acceptable	Instrumentation is in good condition, no leaks noted.					
		All pressure and temperature gauges are in good condition. Ranges are suitable and operating within design limits.					
Sight Glass/Level Gauges	Acceptable	All sight glasses are in good condition. Rated for current vessel service with no concerns noted.					
Other	N/A						
PSV	Acceptable	PSV is in good condition. Service seal is intact, no piping restrictions or other concerns noted. PSV has CRN and applicable code stamping present.					
NDE Methods	Acceptable	UT survey performed by Avalanche. No concerns at this time.					
Inspection Summary	No concerns noted at time of inspection.						
Recommendations						NCR #	

Fit for Service:		Yes		Signature of Inspector:			
<small>* Fit for Service is only a recommendation based on the results of the current inspection.</small>				Cert #		API 510: 97451	
						AB/SK: 1317	
Recommended Intervals:				Technical Manager or Delegate:		Curtis Graham	
				Cert #		API 510: 51479	
						AB/SK: 785	
VE		yrs					
UT		yrs					
PSV		yrs					

PHOTOS



LSD Sign



Site Overview



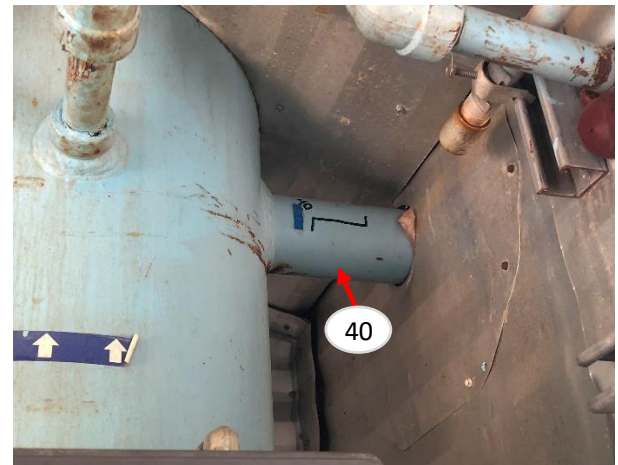
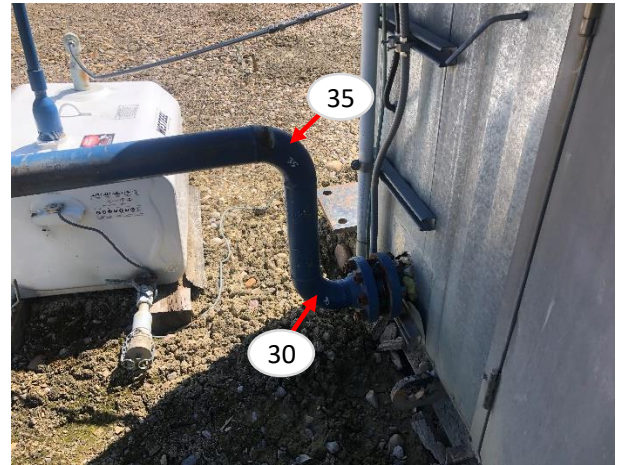
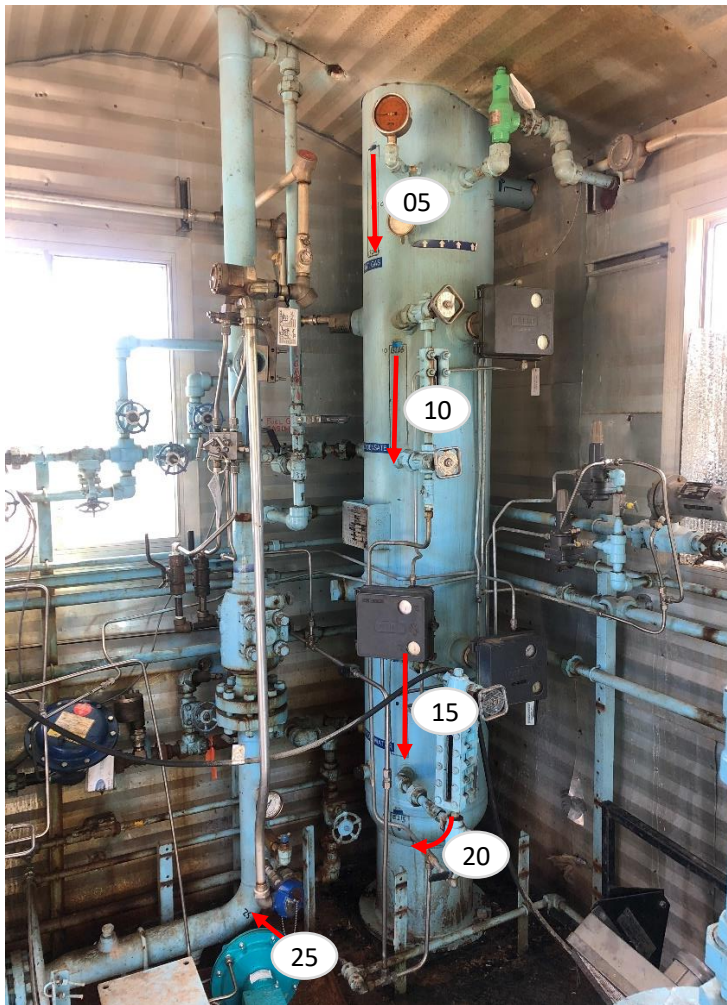
Nameplate



Overview

UT CORROSION SURVEY REPORT

STATIC DATA				
Date:	August 10, 2021	Equip. Name:	Glycol Contactor (Used as a Separator)	
Client/Owner:	CNRL	Provincial #:	A0416558	Equip #: N/A
District:	Edson	Manufacturer:	Alco Gas & Oil	CRN: K-3590-2
Area:	Wild River West	Year Built:	1997	S/N: 97C.5786-01G
Facility:	Well Site	RT (Joint Eff):	RT-2	CA: NIL in
Location/LSD:	SF: 04-21-052-19W5M	UWI/DH:	06-21-052-19W5M	
Notes:	- No access under skirt. - Manlift required to access top of vessel.			





UT CORROSION SURVEY REPORT READINGS

AIR-104

Date:	August 10, 2021	Area:	Wild River West	Equip Name:	Glycol Contactor (Used as a Separator)	Equip #:	N/A
Client:	CNRL	LSD:	04-21-052-19W5M	Prov #:	A0416558	S/N:	97C.5786-01G

VESSEL TMLS																
TML ID	Baseline		Previous		Current											
	1997	1997	1997	1997	2021	2021	SIZE (OD)	NOM	STCR (/YR)	LTCR (/YR)	Tmin	RL (YRS)	% Loss	Zone	Component / Type	
05	0.843	0.843	0.843	0.843	0.851	0.860	16.000	0.843	0.0000	0.0000	0.727	50.0	0.00%	Shell Side	Shell	Pipe
10	0.843	0.843	0.843	0.843	0.843	0.854	16.000	0.843	0.0000	0.0000	0.727	50.0	0.00%	Shell Side	Shell	Pipe
15	0.843	0.843	0.843	0.843	0.832	0.843	16.000	0.843	0.0005	0.0005	0.727	50.0	1.30%	Shell Side	Shell	Pipe
20	0.825	0.825	0.825	0.825	0.831	0.850	16.000	0.825	0.0000	0.0000	0.594	50.0	0.00%	Shell Side	Head	Ellipsoidal

ATTACHMENT / PIPING / NOZZLE TMLS																	
TML ID	Baseline		Previous		Current												
	1997	1997	1997	1997	2021	2021	SIZE (OD)	NOM	STCR (/YR)	LTCR (/YR)	Tmin	RL (YRS)	% Loss	SCH	Zone	Shape	Type
25	0.216	0.216	0.216	0.216	0.220	0.227	3.5	0.216	0.0000	0.0000	0.122	50.0	0.00%	STD	Shell Side	90°	Piping
30	0.300	0.300	0.300	0.300	0.283	0.293	3.5	0.300	0.0007	0.0007	0.122	50.0	5.67%	XS	Shell Side	90°	Piping
35	0.300	0.300	0.300	0.300	0.290	0.306	3.5	0.300	0.0004	0.0004	0.122	50.0	3.33%	XS	Shell Side	90°	Piping
40	0.600	0.600	0.600	0.600	0.605	0.616	3.5	0.600	0.0000	0.0000	0.161	50.0	0.00%	XXS	Shell Side	360°	Nozzle

Comments:	
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UT CORROSION SURVEY REPORT READINGS

Notes:

- *All readings are in: inches
- *RL maximum is 50 years.
- *% Wall loss is based on current low vs nominal.
- *Baseline is based off nominal if no previous readings available and started in year equipment was fabricated, unless other information is available to prove in-service date.
- *Previous readings taken from baseline if no past readings/survey data are available.
- * If no corrosion comments are made on piping, general low thickness was noted.

UT EQUIPMENT & PROCEDURES					
Probe	Wave	Freq.	Size	Manuf.	Serial #
Dual	Long - 0°	5 Mhz	1/4"	Stresstel	21B012GB
UT Set		Serial #		Cal Date	
38 DL+		140863304		04-Jan-2021	
Procedure(s):		UT-01		AI-CR-01	

TECHNICIAN SIGN-OFF		
Inspector:	Kelly Rose	CGSB Certifications:
		23428
Signature:		UT I / MT II