

NME Form I-2 Version 002.01 Page 1 of 4

Owner:	Arsenal Energy Inc	District/Area: British Columbia
Facility:	Osborn	Location (LSD) •: B-33-J/94-a-9
Vessel Data		
A Number + :	536143	Serial Number •: S-1664
CRN +:	T0849.23	Vessel Type: Separator
Description ♦:	Sweet Gas After Scrubber	Process: Sweetening
Tag No:		Current Status: Out of Service
Course #1 (Main)		The state of the s
Orientation:	Vertical	Coated? No Type: Vessel is not coated.
Fluids:		Anodes? No Type: None Quantity:
Sour ♦?	Yes	Hand Holes? No
Manufacturer ♦:	Silverado Oilfield Ventures	Manway? No
MAWP +:	4964 kPa	MAWP Temp. 54 C°
Shell Material:	Not Specified	Nom. Shell Thick: mm
Head Material:	Not Specified	Min. Head Thick: mm
Diameter:	mm &	Length: mm &
Year Built ♦:	2005 Installation Date ♦ :	Corrosion Allow: rnm
Volume:	m³	Stress Relieved? No
Radiography:	RT2	ABSA Grade: 1
Course #2		
Description:		Course Type:
Fluids		Sour? Yes No
MAWP.	□kPa □ psi	MAWP Temp: □ C° □ F°
Tube/Shell Material:	,	Nom. T/S Thick: ☐mm ☐ in.
Head Material:		Min. Head Thick:
Diameter:	☐mm ☐ in & ☐ID ☐ OD	Length:
PRV #1	Course #1 PRV Location or Position:	Sweetener top shell
Serial No ♦:	S-1663 PRV	Model No: T-8200-1
Set Pressure ♦ :	psi	Ports: 1'
Capacity:	scfm	Manufacturer: Taylor
Service date • :		Serviced by:
Block Valve?	No Install Date:	Taỳ no:
PRV #2	Course #2 PRV Location or Position	
Serial No:		Model No:
Set Pressure:	psi	Ports:
Capacity:	scfm	Manufacturer:
Last Service date:		Serviced by:
Block Valve?	Install Date:	Tag no:
Comments:		



NME Form I-2 Version 002.01 Page 2 of 4

A#;	536143		Vessel Description: Sweet Gas After Scrubber			Location(LSD): B-33-J/94-a-9					
Name Pla	ion Inspection te Accessible et Piping Chec		<u>o.k.</u> ⊠ ⊠				Comment				
	nnections Mad		$\boxtimes$								
Inspection Access (i.e. skirt)		$\boxtimes$									
Flare Line Bolting Ch	Slope Check		$\boxtimes$					Company of the Compan			
100	Inspection		Δ	-							
LACOTTIL	mopeonon		O.K.				Comments				
Paint/Coating Condition		$\boxtimes$	Blisters	noted							
Insulation Condition:		N/A									
External C	ondition:		$\boxtimes$	Minor s	urface corrosion at b	listers					
Foundation:			$\boxtimes$	Welded							
_eaks/Drip	s/Seeping:			N/A							
3ending/M	/arping/Distort	ion:	$\boxtimes$	-							
Dents/Cuts	s/Gouges:		$\boxtimes$								
Condition of	of Gauges:		$\boxtimes$	No pressure gauge.							
				Current operating pressure (shell): N/A					☐ psi [	☐ psi ☐ kPa	
				Current	operating pressure (	tube):	□psi □ kPa F	lange:	☐ psi ☐		
					operating temperatu			Range: -20 to 120	□°F⊠		
			57	Current	operating temperatu	re: (tube):	□°F□°C F	Range:	□°F□	] °C	
.adders/W	8.		⊠								
	re Connection	;	⊠								
Other Equi	pment.		$\boxtimes$								
PRV Dat	a				1		1		1	1	
	Vessel MAWP		PF Set Pro	RV essure	PRV Capacity	PRV Size	Last Service Date	Serviced By	Block Valve Present?	Locked Open?	
Shell	4964 kPa	#1				1"			Ņo	No	



NME Form I-2 Version 002.01 Page 3 of 4

\#; 	536143	Vessel Description:	Sweet Gas After Sc	rubber Location	on(LSD): B-33-J/94-a-9
Additional F	Field Notes/Co	omments			
Remedial Act	tions Required	? no ☐ yes ⊠ If yes, i	ndicate required work	k and RA #: Remed	ial Action No.:
CRN not reais	tered in BC. No	BC#.			
	35.75.11.11.11.11.11.11				
External cond	dition is accept	table to warrant continued	service? yes 🗵	no 🗌	
Inspector Nam	ie:	Tyler Letourneau		Inspector Company:	Northern Materials Engineering LTD.
		1 11			
Inspector Sign	ature:	111		Inspection Date:	Mar 11, 2010





Documen	tati	ion
---------	------	-----

ABSA Documents Acquired:

Manufactures Data Report (U-1A)

Name Plate Information is correct?

☐Yes ☐No

⊠To be completed through routine ABSA reporting process

Design is registered in province (CRN)?

□Yes

☑ No, Generate a remedial action and arrange for design registration



NME Form I-2 Version 002.01 Page 4 of 4

A#:	536143	Vessel De	escription:	Sweet Gas A	After Scrubber	Location(LSD):	B-33-J/94-a-9	
Servic	e Conditions							
5.00	s Fluids Description	ÍΣ	Sour		☐Produced Water	□owe	Solids	
1 (3 8 (8 (1) 1)			Condense	d Water	☐Amine	□Air	☐Frac. Sand	4
			Liquid Hyd		Glycol	⊠NG		,
Potentia	al Mode(s) of Deterioration		Pitting	iocarbon	Crevice	☐High Tem		20
( ordine	or modelot or potentialist		Ceneral Co	orrogion	Erosion	☐ Cavitation		
		1907.0		tm. Corrosion	Under Insulation	☐ Mechanic	11 - 12 - 13 - 13 - 13 - 13 - 13 - 13 -	JOSIL COIT
	Crac	574	SCC	iii. Conosion	☐ Hydrogen	☐ Fatigue	ar Damage	
Area(s)	Most Likely to Deteriorate		Top Head		☑ Bottom Head	□Nozzles	□Welds	
,	, modernia y to a continuo		Attachmen	lo	Shell (lower)	☐Shell (Up)	The second secon	.1
		A # 17.50	Tubes	15	☐Piping (inlet)	Piping (ou		
_	1				Limited (inter)	□Piping (or	met) \(\text{\tinnel}\text{\texicr{\text{\texi{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\texi}\	an)
Current	Mitigation Program?		Yes ⊠Ne yes, describe					
Other Co	onsiderations?		Yes No	0				
			yes, describe					
Fluids S	onal Process Monitoria Jample (Type / Frequency/ on Monitoring (Coupons / F Jescribe)	Analysis Re				THE THE CONTROL		
	tion History ete this section if the vesse	l is new and	a baseline			vessel is used)		
Inspection	on Company			Last	Inspection Date			
Inspect	tion - Plan Assigne	d Inspection	Grade	(if different	than Grade 1, descrit	e basis for exception	in Notes section below)	
Activity F	Required	Yes	No	Interval	Due Date		Comments	
i iourng i	1000100	1920		(years)	(dd / mmm /	yy)		
	nternal Visual							
UT Inspe	ection				1			
Crack In:	spection			-	1			
Additiona	al Inspection(s)				1			
External	Visual			N/A	1			
Initial PR	RV service interval				1			
Notes								
Comple	ota if Assassor is diffe	rant than I	nenactor					
	ete if Assessor is diffe	rent than I	nspector		Comeanii			
Assesso	r Name:	rent than I	nspector		Company			
Assesso		rent than I	nspector		Company: Assessment D			
Assessor Assessor	r Name:	rent than I	nspector					
Assessor Assessor Report	r Name: r Signature:	rent than I	nspector					
Assessor Assessor Report	r Name: r Signature: Certification	rent than I	nspector		Assessment D	o00328		