	_					DRMATION					
	Central				Skid No.:						
	Marion Lake				Location (LSI	D): 06-31-037-17V	/4				
Name & Equip N	lo: SEPA	ARATOR - 043	37953		Orientation:	Vertical					
Company: I	Devon Canad	a			Cost Code:						
Status: 0	Operating				Operating Pro						
Unit:					W.O/P.O No.	:					
Registration Nur	nber: 04	16583			Registration	Number (Other):					
Serial Number:	4943				CRN Number	: H8699.213					
National Board:					Unique ID:		0	NCOR ID:	150144		
			PRE	SSURE VESSE	L NAMEPLAT	TE DATA					
Internal Clad:	No		Painted:	Yes	Hand Hole:	Yes					
Insulated:	No				Support Type	Skirt					
Capacity:		M3			MDMT:	-20.00	(F) -28	.89	(C)		
MAWP:		1,440.00 ((psi) 9928.51	. (Kpa)	AT temperatur	e: 100.00	(F)	37.78	(C)		
Size (diam. x ler	gth):	24.00 x	90.00(In) 609.60	x 286.00 (mm)	Manufacturer: UNKNOWN						
X-Ray: R	T1				Lining Or Coate	ed: No					
Year Built:	1997				Heat Treatment: Yes						
Code parameter	5:				Corrosion allowance: 0.13 (In) 3.18 (mm)						
Nozzle Rating:		6	00.00 lb ANS	I	Manway: No Manway Size: (In)						
				PIPING NA	MEPLATE DAT	ΓΑ					
Primary Flange F	Rating:	600			ASME B16.5 - Table 2-1.1 @ 150F: 1480 (psi)						
Pressure Use Fo	r TMin:	Vess Design	Press		Piping Operating Press: 1440 (psi)						
Stress Value:	20000	(psi)			E Value:			1			
Comments:											
		1	SERVICE CO	ONDITIONS-1	INDICATE AL	L THAT APPLY		1			
Sweet		Sour	✓	Oil		Gas		Water			
Amine		LPG		Condensate		Air		Glycol			
Other (Describe)	:										
	<u> </u>		l	СОМР	ONENTS						
Name	Joint Eff	iciency	Outside Diameter(in.)	He	ad Type	Material Type		ress e (PSI)	Nominal Thickness(Inch)		
SHELL		1.00	24.00			Unknown		15000			
HEAD		1.00	24.00	Elli	psoidal	Unknown		15000			
				GENERAL	COMMENTS						

Western Quality Services

TOTAL INTEGRITY MANAGEMENT SOLUTIONS











OWNER: DEVON	SERIAL # 4943	NOTES
EQUIPMENT NAME: SEPARATOR	NB#	
REGISTRATION # 0416583	OWNER ID	
EQUIPMENT # 0437953		

ULTRASONIC CORROSION SURVEY REPORT

EQUIP NAME:SEPARATORSERIAL #:4943DISTRICT:CentralPROV REG:0416583CRN:H8699.213FACILITY:Marion LakeEQUIP #:0437953LSD:06-31-037-17W4

SUMMARY

TYPE	LAST INSPECTION	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR) SHORT TERM LONG TERM		REMAINING LIFE (YEARS)	NEXT INSPECTION DATE
VESSEL	Aug 9, 2013	0.0	0.0000	0.0000	198.0	Aug 9, 2013
PIPING	Aug 9, 2013	0.0	0.0082	0.0082	14.7	Aug 9, 2013

VESSEL SURVEY READINGS

		POINT DATA (INCH)			SURVEY READINGS			CALCULATIONS				
POINT NUMBER	TYPE	NOM.	C.A.	NOM-CA	DATE	LOW	AVG	T Req (inch)	short term corr rate	long term corr rate	remaining life	Flag
05	HEAD	0.0000	0.1250	-0.1250	Aug 9/13	1.103	1.115	1.060	0.0000	0.0000	198.0	LOW RDG IS LESS THAN 5%
10	SHELL	0.0000	0.1250	-0.1250	Aug 9/13	1.126	1.135	1.109	0.0000	0.0000	198.0	LOW RDG IS LESS THAN 5%
15	SHELL	0.0000	0.1250	-0.1250	Aug 9/13	1.136	1.145	1.109	0.0000	0.0000	198.0	LOW RDG IS LESS THAN 5%
20	SHELL	0.0000	0.1250	-0.1250	Aug 9/13	1.118	1.125	1.109	0.0000	0.0000	198.0	LOW RDG IS LESS THAN 5%

PIPING SURVEY READINGS

		POINT DATA (INCH) SURVEY F		Y READING	READINGS CALCULATIONS			ATIONS				
POINT			Mill	NOM-				T Req	short term	long term	remaining	Flag
NUMBER	TYPE	NOM.	Tol./CA	CA	DATE	LOW	AVG	(inch)	corr rate	corr rate	life	- 3
25	90L 2 XS	0.2180	0.0273	0.1907	Aug 9/13	0.184	0.195	0.086	0.0020	0.0020	48.8	LOW RDG IS BETWEEN NOM-
30	90L 2 XS	0.2180	0.0273	0.1907	Aug 9/13	0.206	0.220	0.086	0.0007	0.0007	169.0	NO COMMENTS
35	90L 2 160	0.3440	0.0430	0.3010	Aug 9/13	0.206	0.290	0.086	0.0082	0.0082	14.7	LOW RDG IS BETWEEN NOM-
Comments	Comments: DOUBLE CHECKED CALIBRATION & CONFIRMED UT READINGS.											

Inspected By	Signature	CGSB Leve	CGSB	Survey Date	UT Equip	Due Date OF Calibration
Justin Orichowski	10-C	1	16325	08/09/2013		

Field Inspection Report

- Devon Canada

Registration #:0416583Equipment Name:SEPARATORProvince:AlbertaDistrict:CentralLSD:06-31-037-17W4Location:Marion Lake

CRN: H8699.213 Skid Number:

 Manway:
 No
 Coating:
 No
 Equipment Number:
 0437953

 MAWP (psi):
 1440.00 (psi)
 Temp:
 100.00 (F)
 Serial Number:
 4943

Outstanding NCR's: No No.: 0

General:

Safety Valves

Side:	MAWP (psi)	MAWP (kPa)	PSV No.	Set Press (psi)	Set Press (kPa)	Capacity Imperial	Imperial Units	Capacity Metric	Metric Units
Shell	1440.00	9928.51	0392078	500.00	3447.40	1034.00	SCFM		
Status:	Operating	Exai	mination Methods:		Access:		Cleani	ng:	

Service:

External Inspection

Inspection Date:	Aug 9, 2013	Inspection Interval:	Ī	Next Insp. Date:
<u>Item</u>	Condition	Inspection Comments		
Insulation	N/A			
External Condition	Accept	GOOD CONDITION.		
		NO DAMAGE OBSERVED.		
Leakage	Accept	NO LEAKS OBSERVED.		
Skirt/Saddle	Accept	SKIRT - GOOD CONDITION.		
Anchor Bolts	Concern	VESSEL IS NOT ANCHORED DOWN TO FL	OOR.	
Concrete Foundation	N/A	STEEL FLOOR.		
Ladder/Platform	N/A			
Nozzle	Accept	NOZZLES IN GOOD CONDITION.		
Gauges	Accept	GOOD CONDITION.		
External Piping	Accept	WELL SUPPORTED.		
Valving	Accept	GOOD CONDITION.		
PSV	Accept	SERVICED 05/2010		
NDE Methods	Concern	UT/VE		
		CORROSION FOUND AT TML#35 (2" S-16	0) DRAIN ELBOW, LOW O	F 0.206"
Other	N/A			
Recommendations:	RECOMMEND TO	O MONITOR CORROSION IN DRAIN	Inspected By:	Justin Orichowski
	ELBOW WITH F	REQUENT INSPECTIONS.		
	VESSEL IS FIT F	FOR SERVICE.		

INSPECTOR: I have witnessed/done the above inspections and certify that they have been done in accordance with our approved manual and that the information is accurate. I certify that the status of the Pressure equipment

detailed here is:

Suitable to be returned to service Repairs complete(AB-40 attached)
Repairs are still required: Suggested Inspection interval:

Inspector: Justin Orichowski Signature: _____ Date: Aug 9, 2013

Pressure Safety Valve Summary

PSV Static Data

CRN:

Client: Devon Canada

District:CentralFacility:Marion LakeLocation:06-31-037-17W4PSV Number:0392078Description:Serial Number:95948

OG2606.5C Manufacturer:

Model:91-17D511711ESCode Stamp:Inlet Size:1Outlet Size:

Side (Shell or Tube): Shell

PSV Service/Inspection

Set Date: 1 May, 2010 Service Interval:

Set Pressure (psig): 500 Capacity (scfm): 1034

Service Sealed Intact:

Block Valve Inlet:

Block Valve Outlet:

Block Valve Outlet Locked Open:

Service Company: UNITED Ref Number:

Condition: Prepopped Results: Service Type: Installed Date:

Next Service Date: Comments:

Equipment Protected

 Reg #
 Equip #
 Type
 Name
 Status
 MAWP

 0416583
 0437953
 Pressure Vessel
 SEPARATOR
 Operating
 1440.00

Mercer

1

PSV Summary

PSV passes all summary checks.



TOTAL INTEGRITY MANAGEMENT SOLUTIONS

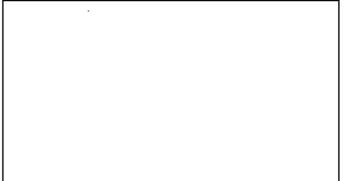




NAMEPLATE



OVERALL



OWNER: DEVON	SERIAL # 2500V100F4943	NOTES
EQUIPMENT NAME: SEPARATOR	NB#	
REGISTRATION # 0416583	OWNER ID	
EQUIPMENT # 0437953		