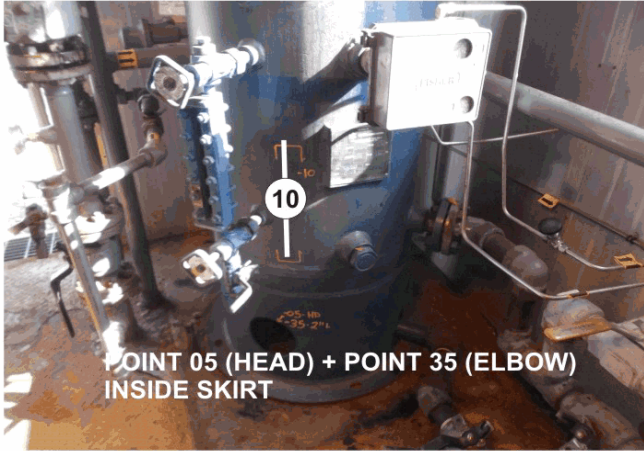
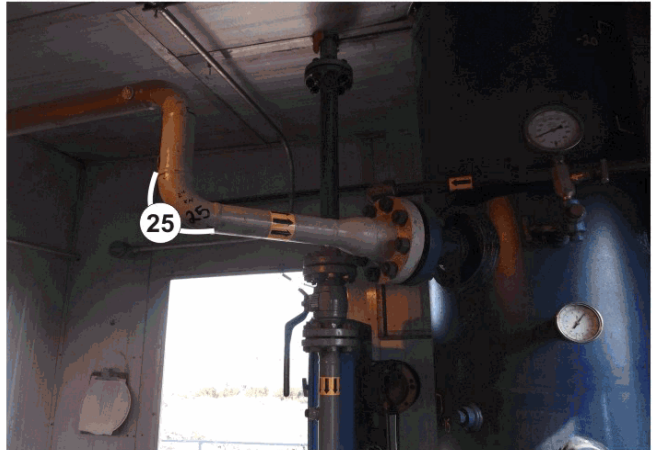
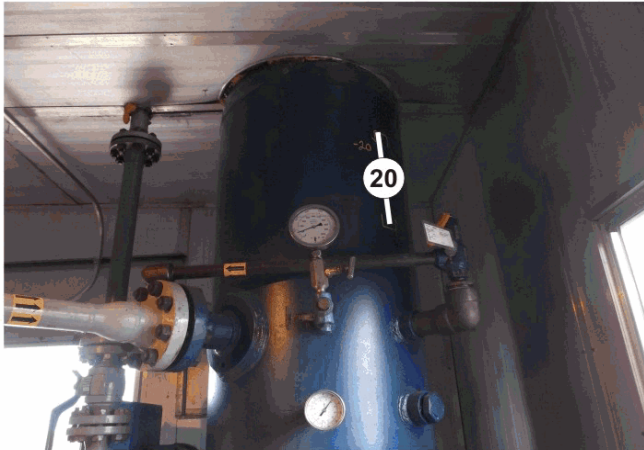
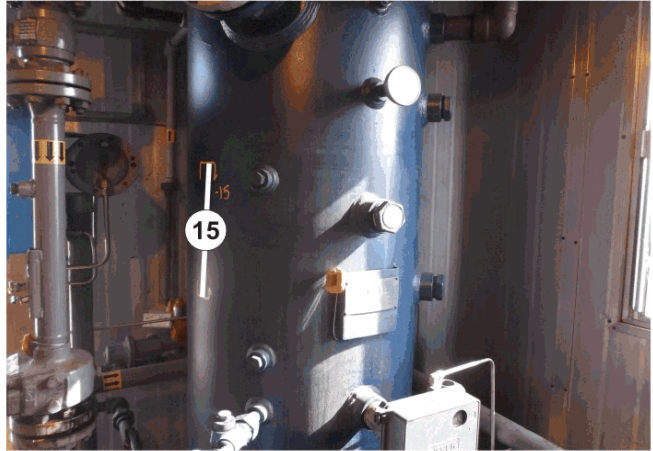


GENERAL PRESSURE VESSEL INFORMATION						
District: Central			Skid No.:			
Facility: Marion Lake			Location (LSD): 06-31-037-17W4			
Name & Equip No: SEPARATOR - 0437953			Orientation: Vertical			
Company: Devon Canada			Cost Code:			
Status: Operating			Operating Province: Alberta			
Unit:			W.O/P.O No.:			
Registration Number: 0416583			Registration Number (Other):			
Serial Number: 4943			CRN Number: H8699.213			
National Board:			Unique ID:		ONCOR ID: 150144	
PRESSURE VESSEL NAMEPLATE 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 temperature: 100.00 (F) 37.78 (C)		
Size (diam. x length): 24.00 x 90.00(In)		609.60 x 286.00(mm)		Manufacturer: UNKNOWN		
X-Ray: RT1		Lining Or Coated: No				
Year Built: 1997		Heat Treatment: Yes				
Code parameters:		Corrosion allowance: 0.13 (In) 3.18 (mm)				
Nozzle Rating: 600.00		lb ANSI		Manway: No		Manway Size: (In)
PIPING NAMEPLATE DATA						
Primary Flange Rating: 600		ASME B16.5 - Table 2-1.1 @ 150F: 1480 (psi)				
Pressure Use For TMin: Vess Design Press		Piping Operating Press: 1440 (psi)				
Stress Value: 20000 (psi)		E Value: 1				
Comments:						
SERVICE CONDITIONS-INDICATE ALL THAT APPLY						
Sweet	Sour <input checked="" type="checkbox"/>		Oil		Gas	Water
Amine	LPG		Condensate		Air	Glycol
Other (Describe):						
COMPONENTS						
Name	Joint Efficiency	Outside Diameter(in.)	Head Type	Material Type	Stress Value (PSI)	Nominal Thickness(Inch)
SHELL	1.00	24.00		Unknown	15000	
HEAD	1.00	24.00	Ellipsoidal	Unknown	15000	
GENERAL COMMENTS						

Shell, heads and TML 05 require 2014 UT



POINT 05 (HEAD) + POINT 35 (ELBOW)
 INSIDE SKIRT



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

ULTRASONIC CORROSION SURVEY REPORT

EQUIP NAME: SEPARATOR	SERIAL #: 4943	DISTRICT: Central
PROV REG: 0416583	CRN: H8699.213	FACILITY: Marion Lake
EQUIP #: 0437953		LSD: 06-31-037-17W4

SUMMARY

TYPE	LAST INSPECTION	INSPECTION INTERVAL (YEARS)	CORROSION RATE (IN/YR)		REMAINING LIFE (YEARS)	NEXT INSPECTION DATE
			SHORT TERM	LONG TERM		
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	


VESSEL SURVEY READINGS

POINT NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			CALCULATIONS			Flag
		NOM.	C.A.	NOM-CA		LOW	AVG	T Req (inch)	short term corr rate	long term corr rate	remaining life	
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 NUMBER	TYPE	POINT DATA (INCH)			DATE	SURVEY READINGS			CALCULATIONS			Flag
		NOM.	Mill Tol./CA	NOM-CA		LOW	AVG	T Req (inch)	short term corr rate	long term corr rate	remaining life	
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: DOUBLE CHECKED CALIBRATION & CONFIRMED UT READINGS.

Inspected By	Signature	CGSB Level	CGSB	Survey Date	UT Equip	Due Date OF Calibration
Justin Orichowski		1	16325	08/09/2013		

Pressure Safety Valve Summary

PSV Static Data

Client:	Devon Canada	Facility:	Marion Lake
District:	Central	PSV Number:	0392078
Location:	06-31-037-17W4	Serial Number:	95948
Description:		Manufacturer:	Mercer
CRN:	OG2606.5C	Code Stamp:	
Model:	91-17D511711ES	Outlet Size:	1
Inlet Size:	1		
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 Inlet Locked Open:	
Block Valve Outlet:		Block Valve Outlet Locked Open:	
Service Company:	UNITED	Ref Number:	
Condition:		Prepped Results:	
Service Type:		Installed Date:	
Next Service Date:			
Comments:			

Equipment Protected

<u>Req #</u>	<u>Equip #</u>	<u>Type</u>	<u>Name</u>	<u>Status</u>	<u>MAWP</u>
0416583	0437953	Pressure Vessel	SEPARATOR	Operating	1440.00

PSV Summary

PSV passes all summary checks.



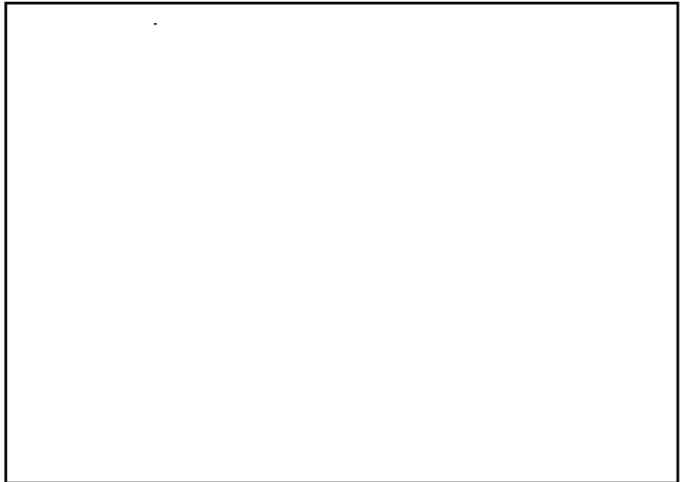
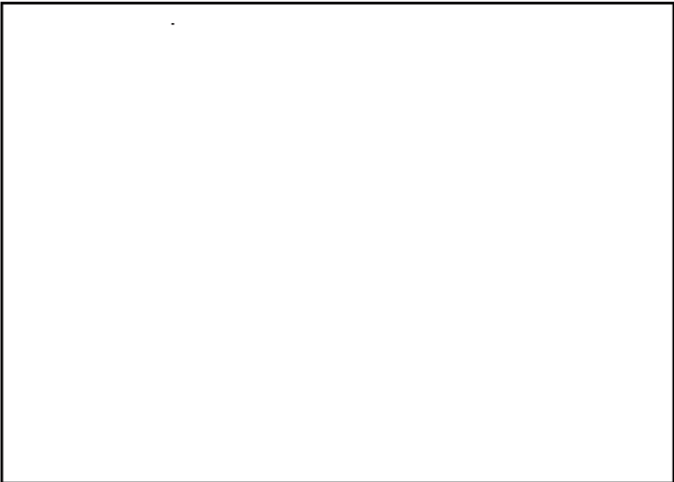
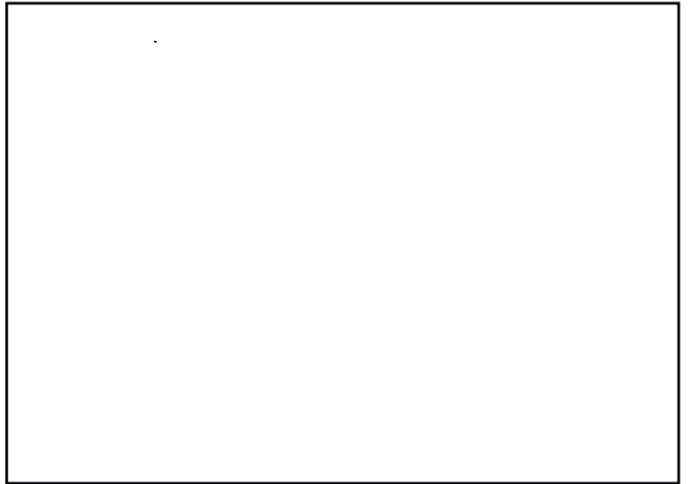
NAMEPLATE



OVERALL



PSV



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