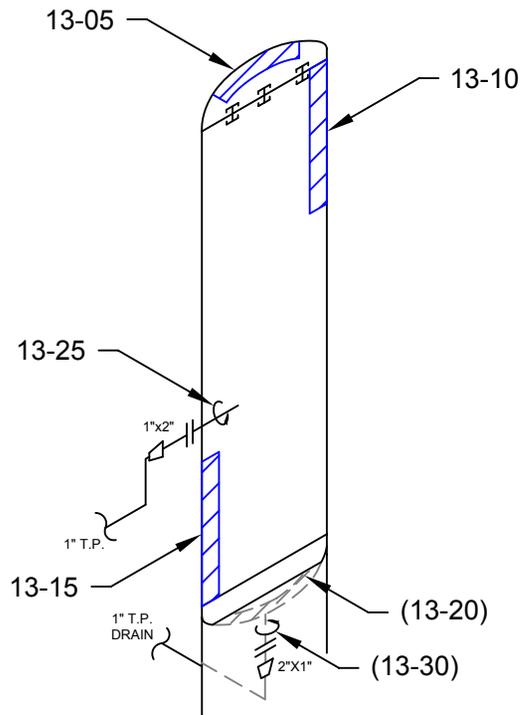


ITEM:

**FILTER**

**A0445940**



COMMENTS:

PROJECT:

**C61017**



ASSET INTEGRITY  
SYLVAN LAKE, AB (403) 887-3562  
PIPELINE INTEGRITY  
WHITECOURT, AB (780) 778-5584  
NON-DESTRUCTIVE TESTING  
GRANDE PRAIRIE, AB (780) 518-9757

TECHNICIAN:

**DANIEL MACLEAN**  
SNT LEVEL II  
CGSB 48.9712  
LEVEL II # 15997

DATE: 8/07/13

DWG: 13

CLIENT: **LONG RUN EXPLORATION**

LSD: **03-26-074-01-W6M**

INSPECTOR : DUANE PAETKAU

LOCATION : PUSKWASKAU

DISTRICT UNIT : NORTHERN AB

BLDG/SKID : PKG62777

PROCESS : SOUR

CODE : ASME SEC VIII DIV 1

SPECIFICATION : AS PER ASME SE 797

TECHNIQUE : UT 1-1, REV .1

METHOD : UT CONTINUOUS / A SCAN

SURFACE COND : PAINTED

SURFACE TEMP : AMBIENT

**VESSEL INFORMATION**

VESSEL # : **A0445940**

CRN # : L7188.2

SERIAL # : 993804F.5

MANUFACTURER : RNG CONTROLS

DATE BUILT : 1999

CLIENT ID / TAG : -

M.A.W.P : 150 PSI

M.A.W.T. : 220° F

JOINT EFFICIENCY/RT : RT 1

STRESS RELIEVED : YES

INSULATED : NO

MANWAY : NO

**VESSEL SPECIFICATIONS**

	OD	NOMINAL	MATERIAL	CA
<b>VESSEL HEAD</b>	8.625"	.282"	SA-234-WPB	.125"
<b>VESSEL SHELL</b>	8.625"	.322"	SA-106-B	.125"
<b>BOOT HEAD</b>	-	-	-	-
<b>BOOT SHELL</b>	-	-	-	-



# ULTRASONIC CORROSION SURVEY

## Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 445940	Manufacturer: RNG CONTROLS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: FILTER	Serial Number: 993804F.5	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1999	Shell MAWP PSI: 150 MAWT F: 220	Process: SOUR
Skid: PKG62777	Tag Number: -	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: L7188.2	Vessel CA: 0.1250	Report Number: 26675

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
05	Top	Head	Baseline	0.293	0.292	0.286	0.294	0.289	0.281	2013	0.289	0.281	0.2820	0.1250	0.0354	2014	2033
Shape	Ellipsoidal	shell Side	Previous	Comments--> OK													
OD	8.625		Current	0.293	0.292	0.286	0.294	0.289	0.281	2013	0.289	0.281					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 234 - WPB			LT Loss MPY							0						
10	Upper	Shell	Baseline	0.303	0.305	0.306	0.307	0.314	0.313	2013	0.308	0.303	0.3220	0.1250	0.0352	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	8.625		Current	0.303	0.305	0.306	0.307	0.314	0.313	2013	0.308	0.303					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY							0						
15	Lower	Shell	Baseline	0.289	0.286	0.288	0.290	0.291	0.293	2013	0.290	0.286	0.3220	0.1250	0.0352	2014	2033
Shape	Cylindrical	shell Side	Previous	Comments--> OK													
OD	8.625		Current	0.289	0.286	0.288	0.290	0.291	0.293	2013	0.290	0.286					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 106 - B			LT Loss MPY							0						
20	Bottom	Head	Baseline	0.253	0.257	0.256	0.254	0.260	0.256	2013	0.256	0.253	0.2820	0.1250	0.0354	2014	2033
Shape	Ellipsoidal	shell Side	Previous	Comments--> OK													
OD	8.625		Current	0.253	0.257	0.256	0.254	0.260	0.256	2013	0.256	0.253					
Spec.	VIII Div 1			ST Loss MPY													
Material	SA 234 - WPB			LT Loss MPY							0						



# ULTRASONIC CORROSION SURVEY

## Survey Name: LONG RUN EXPLORATION

LSD: 03-26-074-01W6	Vessel Number: 445940	Manufacturer: RNG CONTROLS	Survey Date: 8/7/2013
District Unit: NORTHERN - AB	Vessel Name: FILTER	Serial Number: 993804F.5	Inspector: DUANE PAETKAU
Location: PUSKWASKAU	Year Built: 1999	Shell MAWP PSI: 150 MAWT F: 220	Process: SOUR
Skid: PKG62777	Tag Number: -	Tube MAWP PSI: MAWT F:	Project #: C61017
	CRN: L7188.2	Vessel CA: 0.1250	Report Number: 26675

Band	Description	Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date		
		1	2	3	4	5	6										
25	Drain Nozzle	Baseline	0.321	0.321	0.295	0.292	0.283	0.317	2013	0.305	0.283	0.3430	0.1250	0.0074	2014	2033	
Shape	Cylindrical shell Side	Previous											Comments-->	OK			
OD	2.375	Current	0.321	0.321	0.295	0.292	0.283	0.317	2013	0.305	0.283						
Spec.	VIII Div 1								ST Loss MPY								
Material	SA 234 - WPB								LT Loss MPY	0							
30	Nozzle	Baseline	0.278	0.277	0.277	0.276	0.268	0.298	2013	0.279	0.268	0.3430	0.1250	0.0074	2014	2033	
Shape	Cylindrical shell Side	Previous											Comments-->	OK			
OD	2.375	Current	0.278	0.277	0.277	0.276	0.268	0.298	2013	0.279	0.268						
Spec.	VIII Div 1								ST Loss MPY								
Material	SA 234 - WPB								LT Loss MPY	0							