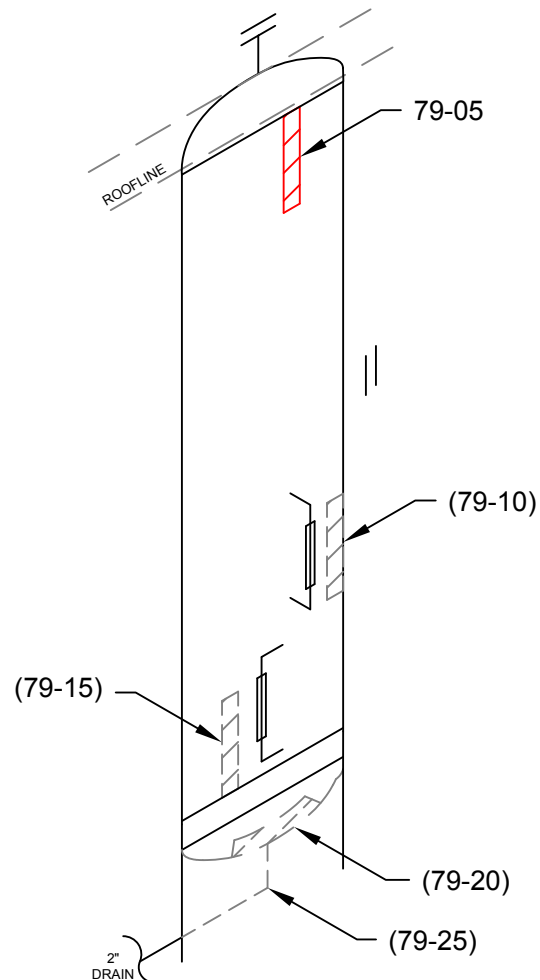


ITEM:

SEPARATOR

A0414803



STETTLER, AB (403) 742-4868
 LACOMBE, AB (403) 782-7855
 BROOKS, AB (403) 501-8029
 GRANDE PRAIRIE, AB (866) 422-9732

TECHNICIAN:

JOSHUA WALTERS
 SNT LEVEL II
 CGSB 48.9712
 LEVEL II # 15660

DATE: 3/07/12

DWG: 79

CLIENT: CNRL

LSD: 12-25-074-08-W6M

INSPECTOR : AJMAL KHAN

LOCATION : TEEPEE CREEK FIELD

DISTRICT UNIT : PEACE RIVER ARCH

BLDG/SKID : SKD0595

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 # : A0414803

CRN # : L8282.21

SERIAL # : 001013-001

MANUFACTURER : BS&B

DATE BUILT : 2000

CLIENT ID / TAG : -

M.A.W.P : 1440 PSI

M.A.W.T. : 130° F

JOINT EFFICIENCY/RT : RT 1

STRESS RELIEVED : YES

INSULATED : NO

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	20"	.825"	SA-516-70	.125"
VESSEL SHELL	20"	.875"	SA-516-70	.125"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-

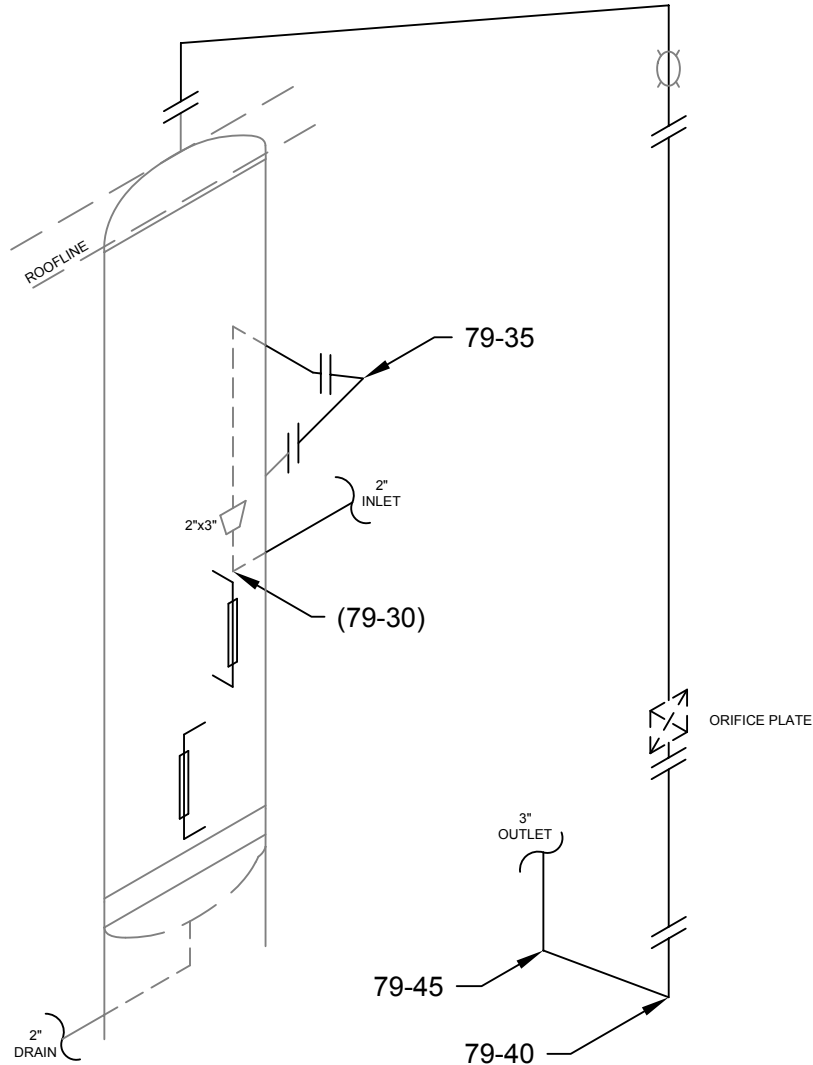
COMMENTS:

TOP HEAD IS ENCLOSED IN ROOF

PROJECT:

C70222

A0414803





ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 12-25-074-08W6 Dwg: 79 Vessel Number: A0414803 Manufacturer: BS&B Survey Date: 3/07/12
District Unit: PEACE RIVER ARCH Vessel Name: SEPARATOR Serial Number: 001013-001 Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: 2000 Shell MAWP PSI: 1440 MAWT F: 130 Process: SOUR
Skid: SKD0595 Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: L8282.21 Vessel CA: 0.1250

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
79-05	Upper	Shell	Baseline	0.869	0.870	0.870	0.872	0.871	0.870	2008	0.870	0.869	0.8750	0.1250	0.6867	2013	2032
Shape	Cylindrical	Shell Side	Previous	0.869	0.870	0.870	0.872	0.871	0.870	2008	0.870	0.869	Comments-->				
OD	20		Current	0.869	0.870	0.870	0.872	0.871	0.870	2012	0.870	0.869					
Spec.	VIII Div 1										ST Loss MPY	0.000	OK				
Material	SA 516 - 70										LT Loss MPY	0.000					
79-10	Mid	Shell	Baseline	0.866	0.866	0.865	0.865	0.865	0.865	2008	0.865	0.865	0.8750	0.1250	0.6867	2013	2032
Shape	Cylindrical	Shell Side	Previous	0.866	0.866	0.865	0.865	0.865	0.865	2008	0.865	0.865	Comments-->				
OD	20		Current	0.866	0.866	0.865	0.865	0.865	0.865	2012	0.865	0.865					
Spec.	VIII Div 1										ST Loss MPY	0.000	OK				
Material	SA 516 - 70										LT Loss MPY	0.000					
79-15	Lower	Shell	Baseline	0.850	0.849	0.849	0.847	0.852	0.847	2008	0.849	0.847	0.8750	0.1250	0.6867	2013	2032
Shape	Cylindrical	Shell Side	Previous	0.850	0.849	0.849	0.847	0.852	0.847	2008	0.849	0.847	Comments-->				
OD	20		Current	0.850	0.849	0.849	0.847	0.852	0.847	2012	0.849	0.847					
Spec.	VIII Div 1										ST Loss MPY	0.000	OK				
Material	SA 516 - 70										LT Loss MPY	0.000					
79-20	Bottom	Head	Baseline	0.950	0.933	0.937	0.937	0.901	0.950	2008	0.935	0.901	0.8250	0.1250	0.6654	2013	2032
Shape	Ellipsoidal	Shell Side	Previous	0.950	0.933	0.937	0.937	0.901	0.950	2008	0.935	0.901	Comments-->				
OD	20		Current	0.950	0.933	0.937	0.937	0.901	0.950	2012	0.935	0.901					
Spec.	VIII Div 1										ST Loss MPY	0.000	OK				
Material	SA 516 - 70										LT Loss MPY	0.000					



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 12-25-074-08W6 Dwg: 79 Vessel Number: A0414803 Manufacturer: BS&B Survey Date: 3/07/12
District Unit: PEACE RIVER ARCH Vessel Name: SEPARATOR Serial Number: 001013-001 Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: 2000 Shell MAWP PSI: 1440 MAWT F: 130 Process: SOUR
Skid: SKD0595 Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: L8282.21 Vessel CA: 0.1250

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
79-25	Drain	Nozzle	Baseline	0.329	0.329	0.334	0.335	0.341	0.335	2008	0.334	0.329	0.3430	0.1250	0.0749	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.329	0.329	0.334	0.335	0.341	0.335	2008	0.334	0.329	Comments-->				
OD	2.375		Current	0.329	0.329	0.334	0.335	0.339	0.335	2012	0.334	0.329					
Spec.	VIII Div 1								ST Loss MPY		0.000		OK				
Material	SA 234 - WPB								LT Loss MPY		0.000						
79-30		Piping	Baseline	0.179	0.173	0.172	0.175	0.179	0.178	2008	0.176	0.172	0.2180	0.0272	0.0825	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.179	0.173	0.172	0.175	0.179	0.178	2008	0.176	0.172	Comments-->				
OD	2.375		Current	0.179	0.173	0.172	0.175	0.179	0.178	2012	0.176	0.172					
Spec.	B31.3								ST Loss MPY		0.000		Caution				
Material	A 234 - WPB								LT Loss MPY		0.000						
79-35		Piping	Baseline	0.259	0.250	0.250	0.251	0.264	0.271	2008	0.258	0.250	0.3000	0.0375	0.1216	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.259	0.250	0.250	0.251	0.264	0.271	2008	0.258	0.250	Comments-->				
OD	3.5		Current	0.259	0.250	0.249	0.251	0.264	0.271	2012	0.257	0.249					
Spec.	B31.3								ST Loss MPY		0.000		Caution				
Material	A 234 - WPB								LT Loss MPY		0.000						
79-40		Piping	Baseline	0.299	0.297	0.299	0.299	0.302	0.303	2008	0.300	0.297	0.3000	0.0375	0.1216	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.299	0.297	0.299	0.299	0.302	0.303	2008	0.300	0.297	Comments-->				
OD	3.5		Current	0.299	0.297	0.299	0.299	0.302	0.303	2012	0.300	0.297					
Spec.	B31.3								ST Loss MPY		0.000		OK				
Material	A 234 - WPB								LT Loss MPY		0.000						



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD:	12-25-074-08W6	Dwg: 79	Vessel Number:	A0414803	Manufacturer:	BS&B	Survey Date:	3/07/12		
District Unit:	PEACE RIVER ARCH		Vessel Name:	SEPARATOR	Serial Number:	001013-001	Inspector:	AJMAL KHAN		
Location:	TEEPEE CREEK FIELD		Year Built:	2000	Shell MAWP PSI:	1440	MAWT F:	130	Process:	SOUR
Skid:	SKD0595		Tag Number:	-	Tube MAWP PSI:	0	MAWT F:	0	Project #:	C70222
			CRN:	L8282.21	Vessel CA:	0.1250				

Band	Description			Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
				1	2	3	4	5	6								
79-45	Piping	Baseline		0.272	0.268	0.264	0.261	0.261	0.251	2008	0.263	0.251	0.3000	0.0375	0.1216	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.272	0.268	0.264	0.261	0.261	0.251	2008	0.263	0.251	Comments-->				
OD	3.5		Current	0.271	0.268	0.264	0.261	0.261	0.251	2012	0.263	0.251					
Spec.	B31.3								ST Loss MPY		0.000		Caution				
Material	A 234 - WPB								LT Loss MPY		0.000						