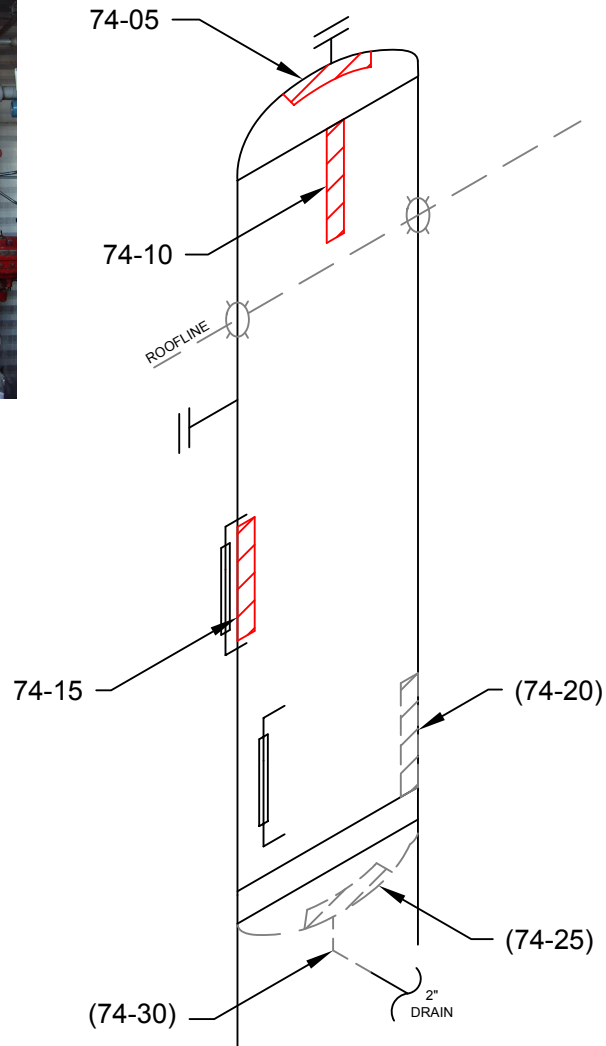
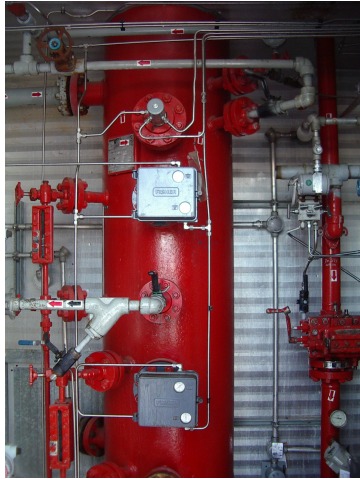


ITEM:

SEPARATOR

A0410656



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: 3/05/12

DWG: 74

CLIENT: CNRL

LSD: 04-35-074-08-W6M

INSPECTOR : AJMAL KHAN

LOCATION : TEEPEE CREEK FIELD

DISTRICT UNIT : PEACE RIVER ARCH

BLDG/SKID : SKD0592

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 # : A0410656

CRN # : K0138.123

SERIAL # : VS-9520

MANUFACTURER : SELECT

DATE BUILT : 1999

CLIENT ID / TAG : -

M.A.W.P : 1440 PSI

M.A.W.T. : 100° F

JOINT EFFICIENCY/RT : RT 1

STRESS RELIEVED : YES

INSULATED : NO

MANWAY : NO

VESSEL SPECIFICATIONS

	OD	NOMINAL	MATERIAL	CA
VESSEL HEAD	24"	1.063"	SA-516-70	.125"
VESSEL SHELL	24"	.943"	SA-516-70	.125"
BOOT HEAD	-	-	-	-
BOOT SHELL	-	-	-	-

COMMENTS:

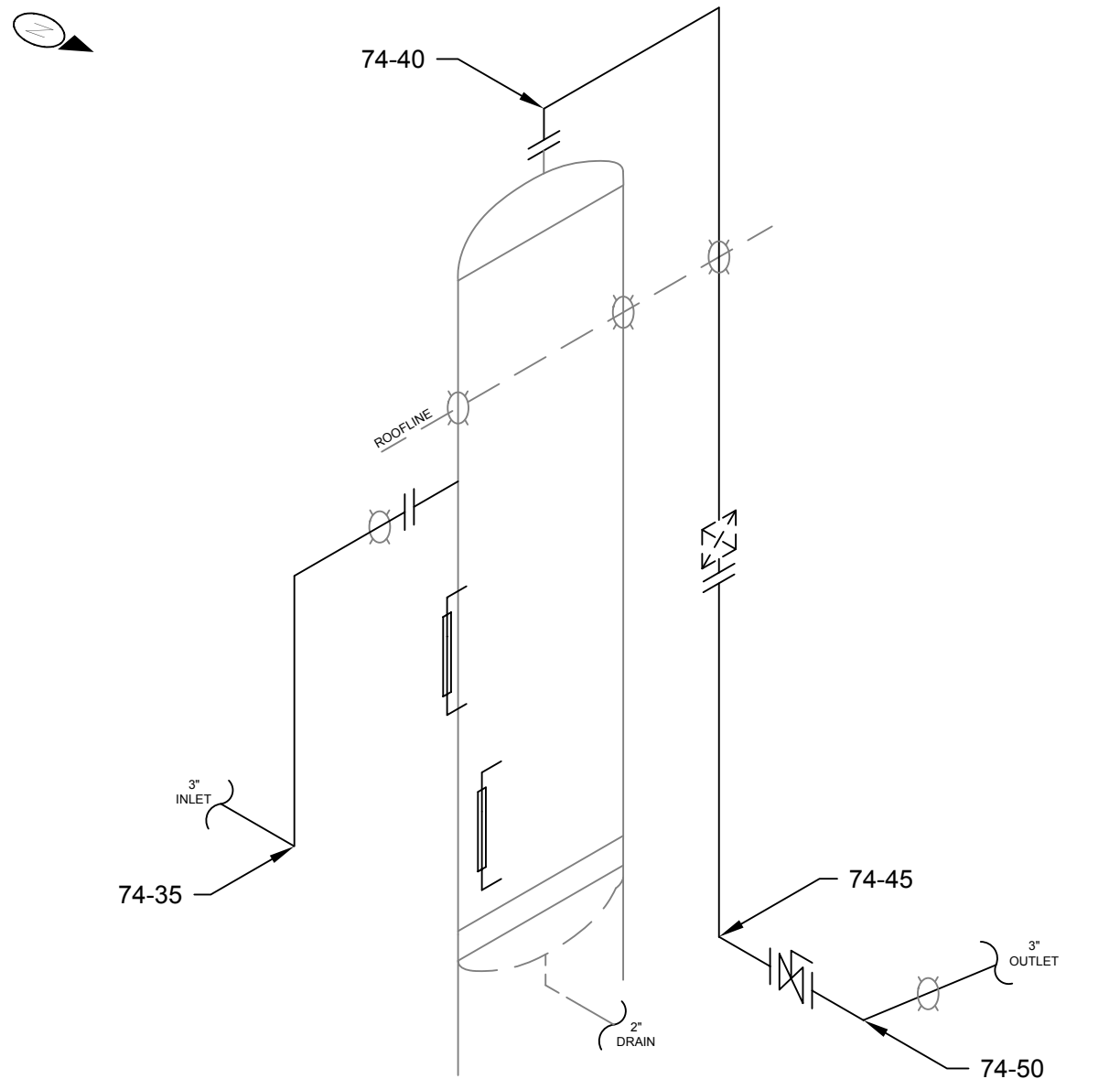
PROJECT:

C70222

ITEM: **SEPARATOR - PIPING** **A0410656**

ITEM: **SEPARATOR - PIPING** **A0410656**

ITEM: **SEPARATOR - PIPING** **A0410656**



JOSHUA WALTERS
SNT LEVEL II
CGSB 48.9712
LEVEL II # 15660

JOSHUA WALTERS
SNT LEVEL II
CGSB 48.9712
LEVEL II # 15660

DATE: 3/05/12

DWG # 74A

CLIENT: CNRL

CLIENT: CNRL

LSD: 04-35-074-08-W6M

LSD: 04-35-074-08-W6M

INSPECTOR : AJMAL KHAN

INSPECTOR : AJMAL KHAN

LOCATION :	TEEPEE CREEK FIELD
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DISTRICT UNIT :	PEACE RIVER ARCH
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DISTRICT UNIT :	PEACE RIVER ARCH
------------------------	------------------

BLDG/SKID :	SKD0592
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BLDG/SKID :	SKD0592
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PROCESS :	SOUR
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PROCESS :	SOUR
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CODE : ASME B31.3

CODE : ASME B31.3

SPECIFICATION :	AS PER ASME SE 797
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SPECIFICATION :	AS PER ASME SE 797
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TECHNIQUE :	UT 1-1, REV .1
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TECHNIQUE :	UT 1-1, REV .1
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METHOD :	UT CONTINUOUS / A SCAN
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METHOD :	UT CONTINUOUS / A SCAN
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SURFACE COND :	PAINTED
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SURFACE COND :	PAINTED
-----------------------	---------

SURFACE TEMP : AMBIENT

SURFACE TEMP : AMBIENT

PIPING INFORMATION

[illegible]

COMMENTS:

PROJECT:
C70222

C70222



ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 04-35-074-08W6 Dwg: 74 Vessel Number: A0410656 Manufacturer: SELECT Survey Date: 3/05/12
District Unit: PEACE RIVER ARCH Vessel Name: SEPARATOR Serial Number: VS-9520 Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: 1999 Shell MAWP PSI: 1440 MAWT F: 100 Process: SOUR
Skid: SKD0592 Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: K0138.123 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								
74-05	Top	Head	Baseline	1.065	1.065	1.065	1.065	1.089	1.090	2008	1.073	1.065	1.0630	0.1250	0.7932	2013	2032
Shape	Ellipsoidal	Shell Side	Previous	1.065	1.065	1.065	1.065	1.089	1.090	2008	1.073	1.065	Comments-->				
OD	24		Current	1.065	1.065	1.065	1.065	1.081	1.082	2012	1.071	1.065					
Spec.	VIII Div 1			ST Loss MPY							0.000		OK				
Material	SA 516 - 70			LT Loss MPY							0.000						
74-10	Upper	Shell	Baseline	1.108	1.113	1.108	1.110	1.109	1.109	2008	1.110	1.108	0.9430	0.1250	0.8320	2013	2032
Shape	Cylindrical	Shell Side	Previous	1.108	1.113	1.108	1.110	1.109	1.109	2008	1.110	1.108	Comments-->				
OD	24		Current	1.108	1.113	1.108	1.110	1.109	1.109	2012	1.110	1.108					
Spec.	VIII Div 1			ST Loss MPY							0.000		OK				
Material	SA 516 - 70			LT Loss MPY							0.000						
74-15	Mid	Shell	Baseline	1.125	1.137	1.119	1.119	1.122	1.117	2008	1.123	1.117	0.9430	0.1250	0.8320	2013	2032
Shape	Cylindrical	Shell Side	Previous	1.125	1.137	1.119	1.119	1.122	1.117	2008	1.123	1.117	Comments-->				
OD	24		Current	1.125	1.132	1.119	1.119	1.122	1.117	2012	1.122	1.117					
Spec.	VIII Div 1			ST Loss MPY							0.000		OK				
Material	SA 516 - 70			LT Loss MPY							0.000						
74-20	Lower	Shell	Baseline	1.127	1.122	1.112	1.112	1.113	1.103	2008	1.115	1.103	0.9430	0.1250	0.8320	2013	2032
Shape	Cylindrical	Shell Side	Previous	1.127	1.122	1.112	1.112	1.113	1.103	2008	1.115	1.103	Comments-->				
OD	24		Current	1.122	1.121	1.112	1.112	1.113	1.103	2012	1.114	1.103					
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: 04-35-074-08W6 Dwg: 74 Vessel Number: A0410656 Manufacturer: SELECT Survey Date: 3/05/12
District Unit: PEACE RIVER ARCH Vessel Name: SEPARATOR Serial Number: VS-9520 Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: 1999 Shell MAWP PSI: 1440 MAWT F: 100 Process: SOUR
Skid: SKD0592 Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: K0138.123 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								
74-25	Bottom	Head	Baseline	1.081	1.083	1.079	1.079	1.079	1.081	2008	1.080	1.079	1.0630	0.1250	0.7932	2013	2032
Shape	Ellipsoidal	Shell Side	Previous	1.081	1.083	1.079	1.079	1.079	1.081	2008	1.080	1.079	Comments-->				
OD	24		Current	1.081	1.083	1.079	1.079	1.079	1.081	2012	1.080	1.079					
Spec.	VIII Div 1			ST Loss MPY							0.000		OK				
Material	SA 516 - 70			LT Loss MPY							0.000						
74-30	Drain	Nozzle	Baseline	0.328	0.325	0.323	0.328	0.322	0.342	2008	0.328	0.322	0.3430	0.1250	0.0749	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.328	0.325	0.323	0.328	0.322	0.342	2008	0.328	0.322	Comments-->				
OD	2.375		Current	0.328	0.325	0.323	0.328	0.322	0.340	2012	0.328	0.322					
Spec.	VIII Div 1			ST Loss MPY							0.000		OK				
Material	SA 234 - WPB			LT Loss MPY							0.000						
74-35		Piping	Baseline	0.264	0.263	0.260	0.255	0.258	0.261	2008	0.260	0.255	0.3000	0.0375	0.1216	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.264	0.263	0.260	0.255	0.258	0.261	2008	0.260	0.255	Comments-->				
OD	3.5		Current	0.264	0.263	0.260	0.255	0.258	0.261	2012	0.260	0.255					
Spec.	B31.3			ST Loss MPY							0.000		Caution				
Material	A 234 - WPB			LT Loss MPY							0.000						
74-40		Piping	Baseline	0.271	0.271	0.270	0.270	0.272	0.274	2008	0.271	0.270	0.3000	0.0375	0.1216	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.271	0.271	0.270	0.270	0.272	0.274	2008	0.271	0.270	Comments-->				
OD	3.5		Current	0.271	0.271	0.270	0.270	0.272	0.274	2012	0.271	0.270					
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: 04-35-074-08W6 Dwg: 74 Vessel Number: A0410656 Manufacturer: SELECT Survey Date: 3/05/12
District Unit: PEACE RIVER ARCH Vessel Name: SEPARATOR Serial Number: VS-9520 Inspector: AJMAL KHAN
Location: TEEPEE CREEK FIELD Year Built: 1999 Shell MAWP PSI: 1440 MAWT F: 100 Process: SOUR
Skid: SKD0592 Tag Number: - Tube MAWP PSI: 0 MAWT F: 0 Project #: C70222
CRN: K0138.123 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								
74-45	Piping	Baseline	0.315	0.302	0.289	0.288	0.288	0.287	2008	0.295	0.287	0.3000	0.0375	0.1216	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.315	0.302	0.289	0.288	0.288	2008	0.295	0.287	Comments-->				
OD	3.5	Current	0.315	0.302	0.289	0.288	0.288	0.287	2012	0.295	0.287					
Spec.	B31.3							ST Loss MPY	0.000			OK				
Material	A 234 - WPB							LT Loss MPY	0.000							
74-50	Piping	Baseline	0.273	0.274	0.278	0.286	0.289	0.290	2008	0.282	0.273	0.3000	0.0375	0.1216	2013	2032
Shape	90° Elbow	Shell Side	Previous	0.273	0.274	0.278	0.286	0.289	2008	0.282	0.273	Comments-->				
OD	3.5	Current	0.273	0.274	0.278	0.286	0.289	0.290	2012	0.282	0.273					
Spec.	B31.3							ST Loss MPY	0.000			OK				
Material	A 234 - WPB							LT Loss MPY	0.000							